

THE
AI-POWERED
PRODUCTIVITY
HANDBOOK



JAMAL FAISAL ALMUTAWA

The AI-Powered Productivity Handbook

By Jamal Faisal Almutawa



Artificial Intelligence Superpowers

Unlock the Secret to Superhuman Productivity and Turbo Charge Your Performance with this Must-Read Book. Discover the Cutting-Edge Techniques and Tools to Transform Your Work Process and Skyrocket Your Efficiency. Shorten Your Delivery Time from Days to

Minutes, and Watch Your Productivity Soar. This book is Your Key to Personal and Professional Success. Don't Wait, Get Started Today!

Using AI to help write & illustrate this book

This book focuses on utilizing AI, particularly ChatGPT, along with other platforms like DALL-E and midjourney. The book extensively employs AI for various purposes such as providing prompt examples and generating results, suggesting new ideas, proofreading, rephrasing, and other functions. Writing this book with the assistance of AI was a delightful experience, and I hope you enjoy reading it as much as I enjoyed creating it.

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The AI-Powered Productivity Handbook

Introduction to Artificial Intelligence (AI)

*"You are in a maze of twisty little passages, all alike." -
Colossal Cave Adventure*



Introduction to AI - Image Generated by Midjourney AI

Overview of AI and its applications

What is AI

Artificial Intelligence (AI) refers to the simulation of human intelligence in machines that are designed to think and act like humans. These intelligent systems can perform tasks such as recognizing speech, making decisions, and translating languages, among others. AI technology has been around for decades and has been continuously advancing, leading to a proliferation of AI applications across various industries such as healthcare, finance, education, and transportation. In healthcare, AI is used in medical imaging analysis, drug discovery, and even virtual health assistants. In finance, AI is utilized for fraud detection, portfolio management, and financial forecasting. For education, AI-powered learning systems and personalized tutors are transforming the way students learn. In transportation, AI is playing a crucial role in improving safety, reducing traffic congestion, and optimizing delivery routes. AI has the potential to revolutionize the way we live, work, and interact with each other, making it an exciting and rapidly growing field.

Brief history of AI development

In the 1950s, British mathematician and computer scientist, Alan Turing, proposed the concept of a machine capable of exhibiting human-like intelligence, which marked the beginning of the history of Artificial Intelligence (AI). The term "Artificial Intelligence" was

first coined by John McCarthy in 1956 during a conference on the topic. In the following decades, significant progress was made in AI research, including the creation of the first AI language and the implementation of simple problem-solving programs. However, the field of AI suffered a setback in the 1970s due to a lack of funding and the inability to achieve breakthroughs in key areas such as natural language processing and machine vision.

The 1980s marked a resurgence of AI research, which was driven by advances in computer technology and the availability of large amounts of data. In the 1990s, expert systems were introduced, and the first AI applications in finance and healthcare were developed. Recently, with the exponential growth of data, the availability of powerful computing resources, and the development of deep learning techniques, AI has made remarkable strides in fields such as image and speech recognition, language translation, and autonomous systems.

Looking to the future, the continued development of AI holds tremendous promise for improving our lives and transforming society.

Overview of ChatGPT and its capabilities

What is ChatGPT

ChatGPT is a language model developed by OpenAI that can generate human-like text. It was trained on a lot of text from the internet, so it can understand and respond to many questions and topics. For example, it can answer factual questions, summarize long text, and even generate creative writing. ChatGPT is useful for businesses, researchers, and individuals who need high-quality language-based support. It can also translate text from one language to another and perform many other language-related tasks. ChatGPT's advanced technology has the potential to change the way we interact with computers and access information, which is very exciting!

Using ChatGPT - The User Interface

After signing up and registering for chatGPT, you can use it by typing in prompts in the input box, and ChatGPT responds with the right answer most of the time. For Example:

Prompt - months:

```
show me all the months in a year
```

Output - months

Certainly! Here are all the months in a year,
listed in order:

January

February

March

April

May

June

July

August

September

October

November

December

I hope this helps! Let me know if you have any
other questions.

It's important to note that when you ask ChatGPT a question, the answer may come out differently each time, even if the general meaning and numbers are the same. This is because ChatGPT is designed to emulate human conversation, and like humans, it can vary its responses while conveying the same message.

Furthermore, ChatGPT is always learning and improving its responses through exposure to various sources of information. Its trainers constantly correct

and refine its capabilities, and even users like you can contribute to its development. This ongoing learning process allows ChatGPT to generate more accurate and nuanced responses over time, making it an increasingly valuable tool for a wide range of language-related tasks.

Notice the thumb up and down button next to each answer? That's for you to confirm if the answer was good or bad.

When we ask again about the months in a year, the answer now is :



The screenshot shows a chat interface with a light gray background. On the left is the OpenAI logo. To its right is the text: "There are twelve months in a year. They are:". In the top right corner of the chat bubble are two icons: a thumbs-up and a thumbs-down. Below the text is a numbered list of the twelve months of the year. At the bottom of the chat bubble is a paragraph of text explaining the typical number of days in each month, with a note about February and leap years.

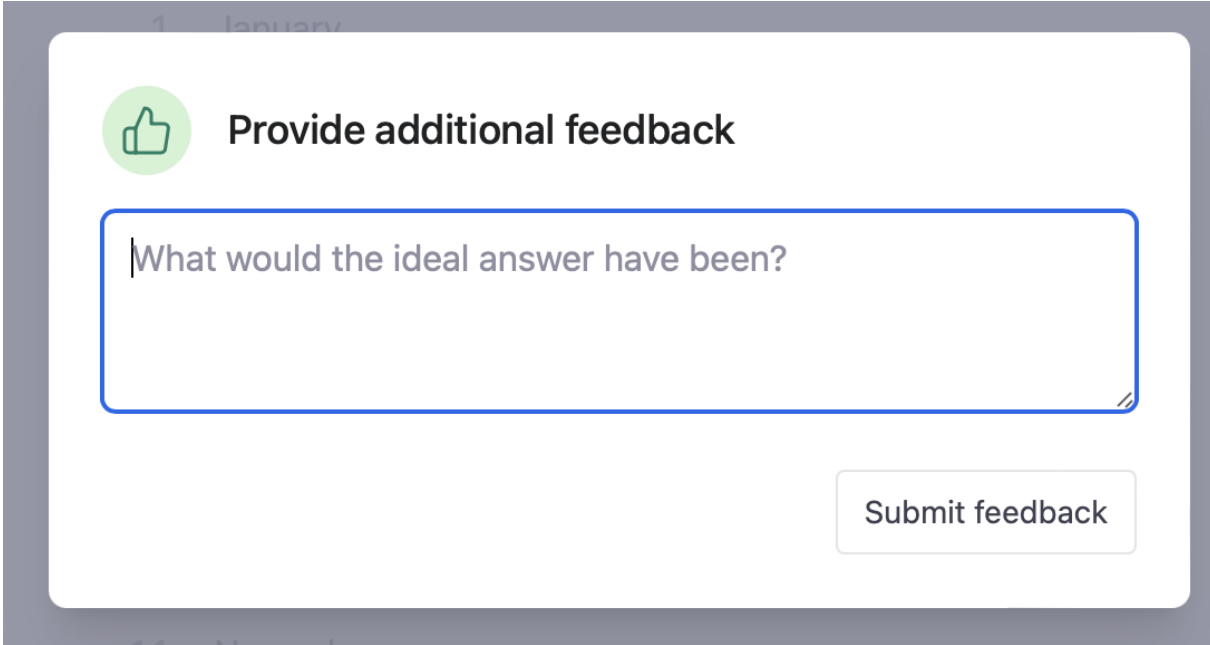
There are twelve months in a year. They are:

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

Each month typically has 28 to 31 days, except for February which has 28 days, and 29 in a leap year.

Month in a Year


When the thumbs up is pressed next to the answer, you are asked for a positive response, if any.



The image shows a feedback form with a light gray border. At the top left, there is a green circular icon containing a white thumbs-up symbol. To its right, the text "Provide additional feedback" is displayed in a bold, black font. Below this, there is a large, rounded rectangular text input field with a blue border. Inside the field, the placeholder text "What would the ideal answer have been?" is visible. In the bottom right corner of the form, there is a white button with a thin gray border and the text "Submit feedback" in a black font.

Thumb Up

If the thumbs down is pressed, you are asked for your response again, and to categorize your answer on why the response was bad

 **Provide additional feedback**

What would the ideal answer have been?

This is harmful / unsafe

This isn't true

This isn't helpful

Submit feedback

Thumb Down

Your answer is compared to other responses, and by human trainers as well, and added to ChatGPT's overall knowledge about the world.

How does it all work?

As we go about our daily lives, we often use writing apps to compose messages, emails, or even documents. One common feature that we all rely on is spelling correction. Whenever we come across an unfamiliar word, the app on your mobile phone or computer

automatically suggests corrections, making our lives easier.

Predictive Text

The app also uses predictive text to help us compose messages more efficiently. Based on the context and the words we have already written, the app predicts the next word, saving us precious time.

But how does the app know which words to recommend as corrections or predict the next word? The answer lies in the vast vocabulary of words that the app is equipped with. English has approximately 170,000 words, and other languages likely have a similar number of words. It's impossible for anyone to memorize all of them, but for computing devices, it's all in a day's work.

Through programming and machine learning algorithms, computers, mobile devices, and apps can be trained with the knowledge of all the patterns, grammar rules, and sentence structures required for spelling corrections and predictive text. This is now a common feature in many writing apps, and it helps us to write better and communicate more efficiently.

But spelling correction and predictive text are just the beginning of what AI can do. Chatbots, like ChatGPT, are AI-powered assistants that can handle a wide range of queries. From simple questions to complex multipart queries, conversational interactions,

and even content creation tasks like writing blog posts or creating code, AI can do it all.

Beyond Word Predictions to Idea Prediction

As a language model, ChatGPT can understand the context of a question and provide personalized responses based on the vast amount of text data it was trained on. Unlike a Google search that uses keywords or phrases to return relevant web pages, it can provide a more specific and personalized answer to your question.

It is important to bear in mind that despite being referred to as Artificial Intelligence (AI), it does not actually possess human-like intelligence. Instead, it relies on sophisticated pattern recognition to match specific patterns and provide an appropriate response most of the time. In instances where the response is not entirely accurate, it could be attributed to an imprecise prompt that can be rectified with additional information.

This concept is effectively exemplified by The Chinese Room Thought Experiment.

The Chinese Room Thought Experiment is as follows:

1. Imagine a person in a sealed room with no knowledge of Chinese, but given instructions in English to respond to Chinese symbols.

2. Chinese symbols are passed into the room and the person matches them with corresponding English symbols.
3. Using the instructions, the person writes a response in Chinese characters.
4. The person in the room appears to understand Chinese, but they do not actually comprehend the language or the meaning behind it.
5. The experiment illustrates the limitations of machines in truly understanding language and possessing intelligence. It suggests that machines are simply executing instructions without understanding the meaning behind them.



The Chinese Room is a thought experiment that challenges the idea that a computer program can truly "understand" or have "consciousness" in the way that humans do. It works by placing a person who does not understand Chinese in a room with Chinese symbols and instructions for manipulating them, producing correct responses to questions without understanding the meaning behind them

Bias

ChatGPT, an AI language model, learns by processing and assimilating information from diverse sources such as news articles, books, scientific journals, and Wikipedia. However, since some of these sources, such as Wikipedia, may present a biased view or selectively present certain arguments while omitting others, it is important to be aware of this when using AI.

Additionally, the data that ChatGPT was trained on only goes up to 2021, meaning it may lack more recent information.

It's essential to keep in mind that AI-generated responses can be affected by the sources and team used to train it. While there may be only one correct answer for scientific or established questions, responses to political or subjective topics may be biased.

Mistakes

ChatGPT can sometimes provide incorrect information or make mistakes because it only knows what it has learned from its training. It may not always understand the meaning of a question or have the right information to answer it. Therefore, it's essential to double-check information from any source, including ChatGPT.

Text to Image Artificial Intelligence

DALL-E

DALL-E is a neural network-based AI model developed by OpenAI that can generate images from textual descriptions. It uses a combination of computer vision and natural language processing to understand the meaning behind a given text prompt and then generate a corresponding image that matches the description.

The name "DALL-E" is a combination of the artist Salvador Dalí and the Pixar character WALL-E, highlighting the model's ability to create surreal and imaginative images from simple prompts.

DALL-E has been trained on a massive dataset of images and text, and can generate a wide variety of images, including objects, animals, scenes, and even abstract concepts. The model has gained significant attention for its impressive and often surprising results, and is seen as a major breakthrough in the field of AI-generated art.

Midjourney

Midjourney is an independent research lab that specializes in artificial intelligence. The company has developed its own AI program, also called Midjourney, which enables users to create images based on textual

descriptions, similar to OpenAI's DALL-E and Stable Diffusion. David Holz, known for co-founding Leap Motion, leads the Midjourney team.

Midjourney's technology is currently in open beta, which began in July 2022. Users can generate images by entering a prompt through the /imagine command on the company's Discord bot. The bot returns a set of four images, and users can choose which ones to upscale. Midjourney continues to improve its algorithms, and the company is releasing new updates regularly.

Additionally, Midjourney is working on a web interface to make its technology more accessible.

In summary, Midjourney is a cutting-edge AI company that has developed a unique text-to-image program. The company is constantly refining its technology and has already gained recognition for its remarkable outcomes. Midjourney's Discord bot currently provides access to the program, but the company is expanding its reach through the development of a web interface.

Stable Diffusion

Stable Diffusion is a state-of-the-art generative model developed by researchers at OpenAI. It is an extension of the diffusion models that were introduced in 2020 as a way to generate high-quality images.

Stable Diffusion is a way to create pictures that look like they were made by a person, but a computer makes them instead. It's like a magic trick where the computer learns how to make pictures by itself. It does this by adding noise to a picture, like a filter, then smoothing it out to make it look better. The computer does all of this on its own, without anyone telling it how to do it.

Overall, Stable Diffusion is a promising approach to generative modeling that has shown great potential for advancing the field of artificial intelligence.

About the Illustrations in this Book

The images and illustrations featured in this book are all created using artificial intelligence. OpenAI's DALL-E and Midjourney AI are the two platforms responsible for generating the visuals. Both of these programs use algorithms to create images based on textual descriptions. None of the images existed before until they prompted into existence and generated by the AI.

The only exception is The Chinese Room, which was inspired by a well-known thought experiment.

To utilize DALL-E, simply visit <https://labs.openai.com> and input the desired illustration prompt. Currently, a limited number of images are available for free, with additional ones requiring payment. However, this policy may change in the future. Using DALL-E is straightforward and conceptually

similar to Chat-GPT. We also talk a little about DALL-E in the AI For Branding Chapter.

To access Midjourney, you must first receive an invitation to their Discord server, which can be obtained by following the instructions and link provided on their website <https://www.midjourney.com>. Like DALL-E, a certain number of prompts are available at no cost, but subsequent requests necessitate payment. For the most current details, visit Midjourney's website and Discord server.

As for Stable Diffusion, which was not used directly for this book, it is not something you can use directly, like an app or a website. It's a special technology that other programs use to make pictures, like OpenAI's DALL-E and Midjourney's text-to-image program. If you want to use Stable Diffusion, you need to use these other programs that have it built-in.

Conclusion

In conclusion, AI has become an integral part of our lives, helping us to communicate more efficiently and perform tasks that would have been impossible just a few decades ago. With continued development and refinement, the possibilities for AI are endless.

"The end of a journey is simply the beginning of another." - Unknown

The Story of the Office Chair design

*"The best design is the simplest one that works." -
Albert Einstein*



Office Chair Designs - Image Generated by Midjourney AI

The Humble Office Chair

Once upon a time, there was a struggling design team who had been tasked with designing the next hit product for their company. They had been

brainstorming for weeks, but they just couldn't seem to come up with any fresh ideas that would capture the market's attention.

One day, the team decided to hold a meeting to discuss their options. They gathered in a conference room, surrounded by whiteboards covered in sketches and notes. As they tossed around ideas, one team member suggested that they design the perfect office chair.

Rethinking the Office Chair!

At first, the idea was met with some skepticism. "An office chair?" one team member said. "Who gets excited about that?" But as they continued to discuss it, they realized that a well-designed office chair could actually be a game-changer.

They began to list all the features that would make the perfect office chair: adjustable height, ergonomic support, breathable fabric, and a sleek design that would look great in any office. They even talked about adding smart technology that would monitor a user's posture and propose adjustments to prevent back pain.

As they continued to flesh out their idea, the team grew more and more excited. They could see how their chair could revolutionize the office furniture industry

and become the must-have product for anyone who spent long hours at a desk.

Over the following days, the team worked tirelessly to design and perfect their office chair. They went through countless prototypes, testing and tweaking each one until they were satisfied with the final product.

When they finally launched their chair, it was an instant hit. Office workers across the country raved about the comfort and support it provided, and the sleek design made it a popular choice for modern offices. The team had succeeded in creating the next hit product, all because they had decided to focus on the humble office chair.

Here is how this humble office chair became a success.

After numerous exhaustive meetings and exhilarating brainstorming sessions, the team managed to curate a comprehensive list of specifications and features that the perfect office chair should embody. With a burst of creative energy, they filtered through the options to extract only the most exceptional and innovative features, leaving no stone unturned in their quest for excellence.

What follows are those specifications:

A good ergonomic office chair should possess certain features to ensure that it is comfortable and supportive for the user. Firstly, the seat height should be adjustable, ranging from 16.1 inches to 20.9 inches off the floor (41 cm to 53 cm), to allow the user to keep their feet flat on the floor and their thighs horizontal, with arms even with the height of the desk. The seat width and depth should also be adjustable, with a standard width of 17 inches to 20 inches (43.2 cm to 50.8 cm), and enough depth to leave 2 inches to 4 inches (5.1 cm to 10.2 cm) of space between the back of the knees and the seat. Additionally, the forward or backward tilt of the seat should also be adjustable.

Lumbar support is another key feature of an ergonomic office chair. The chair should have a lumbar adjustment (both height and depth) to support the natural inward curve of the lower back. This is important because sitting for long periods without support for this curve can lead to slouching and strains in the lower spine.

The backrest of the chair should be 12 to 19 inches (30.5 cm to 48.3 cm) wide, and adjustable in height and angle to support the natural curve of the spine, with special attention paid to proper support of the lumbar region. If the seat and backrest are separate, the backrest should be able to support the natural curve of the spine, and have a locking mechanism to secure it

from going too far backward. The seat material should also have enough padding to be comfortable to sit on for extended periods of time, with a cloth fabric that breathes being preferable.

In addition to lumbar support, the chair should also have adjustable armrests, which allow the user's arms to rest comfortably and shoulders to be relaxed. The elbows and lower arms should rest lightly, with the forearm not on the armrest while typing. The chair should also easily rotate (swivel) to allow the user to reach different areas of their desk without straining.

While there isn't a single "best" type of ergonomic office chair, the above features are important to look for to ensure that the chair is comfortable and supportive for the user.

You all agreed on the design now you want to promote and build it.

Let us ask ChatGPT for a catchy headline. Included in our question are the specs we just worked out, so ChatGPT can reference them and know what we are talking about.

We will also follow up with more questions, helping to build our product file for our new chair.

Prompt - Headline:

Create a catchy headline for this new product launch:

A good ergonomic office chair should possess certain features to ensure that it is comfortable and supportive for the user.

Firstly, the seat height should be adjustable, ranging from 16 to 21 inches off the floor, to allow the user to keep their feet flat on the floor and their thighs horizontal, with arms even with the height of the desk. The seat width and depth should also be adjustable, with a standard width of 17-20 inches, and enough depth to leave 2 to 4 inches of space between the back of the knees and the seat. Additionally, the forward or backward tilt of the seat should also be adjustable.

Lumbar support is another key feature of an ergonomic office chair. The chair should have a lumbar adjustment (both height and depth) to support the natural inward curve of the lower back. This is important because sitting for long periods without support for this curve can lead to slouching and strains in the lower spine. The backrest of the chair should be 12 to 19 inches wide, and adjustable in height and angle to support the natural curve of the spine, with special attention paid to proper support of the lumbar region. If the seat and backrest are separate, the backrest should be able to support

the natural curve of the spine, and have a locking mechanism to secure it from going too far backward. The seat material should also have enough padding to be comfortable to sit on for extended periods of time, with a cloth fabric that breathes being preferable

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While there isn't a single "best" type of ergonomic office chair, the above features are important to look for to ensure that the chair is comfortable and supportive for the user.

Output - Headline

"Introducing the Ultimate Ergonomic Office Chair: Comfort and Support for Extended Workdays"

Prompt - Selling Points:

Generate a headline that highlights the unique selling points of this chair

Output - Selling Points

"Revolutionize Your Workday with Our Ergonomic Office Chair - Adjustable in Every Way for Ultimate Comfort and Support!"

Prompt - Versatility:

Create a headline that promotes the versatility of this furniture design

Output - Versatility

"From Home Office to Conference Room: Discover the Versatility of Our Ergonomic Chair Design!"

Prompt - Summary:

Provide a written summary of the ergonomics of this chair design.

Output - Summary

This office chair design has a number of ergonomic features aimed at providing comfort and support for the user. The chair is adjustable in several ways, including seat height, width, and depth, as well as forward and backward tilt. The seat is designed to keep the user's feet flat on the floor and thighs horizontal, with arms even with the height of the desk.

The chair also includes lumbar support, with both height and depth adjustable to support the natural inward curve of the lower back. The backrest is adjustable in both height and angle,

and is designed to support the natural curve of the spine, with special attention paid to proper support of the lumbar region. The chair also has adjustable armrests to allow for comfortable resting of the arms and shoulders.

Overall, the design of this chair takes into account the natural curves and positions of the human body, aiming to provide a comfortable and supportive seating experience for the user

Prompt - Shorten:

make it shorter and to the point

Output - Shorten

This chair is designed with several adjustable features, including seat height, width, depth, and tilt, as well as lumbar support, backrest height and angle, and armrests. These features work together to provide comfort and support for the user, while also allowing for easy movement and versatility.

Prompt - Catchy:

```
Create a catchy headline for this new product
launch
```

Output - Catchy

```
"Experience Unmatched Comfort and Support:
Introducing the Ultimate Ergonomic Office
Chair!"
```

As demonstrated in the preceding "conversation" with ChatGPT, we provided the complete specifications of our chair, and once it was informed, there was no need to revisit the details. ChatGPT retained the information and can now respond to our queries, suggesting potential solutions. If the response does not align precisely with our requirements, we can either provide ChatGPT with additional information or request that it refine its answer to better meet our needs.

Note about ChatGPT input:

ChatGPT text input limit is at the time of writing 2048 characters, which is around 300–400 words, and 25–26 lines for an 80 character line per page.

This most likely would be increased in the future, but you need to be aware of the limits right now.

Ok, back to prompting.

Everyone likes a background story about a product, this gives people a sense of history and belonging and owning something with a pedigree that is unique and developed over time, let us build a background story for our chair

Prompt - Story:

```
Write a story that brings this chair design to life , create an inventor character that struggled and experimented until he came up with this chair design, his long story and quest for perfection
```

Output - Story

```
Meet Martin, a brilliant inventor who has always been passionate about creating furniture that enhances people's lives. His latest obsession is
```


to create a chair that not only looks great but also provides unparalleled support for the human body. He's been working on this project for months, but the prototypes have never quite met his exacting standards.

Martin has always been fascinated by the human body's mechanics and how it moves. He spends hours researching and testing different designs to find the perfect solution. He even started taking classes in anatomy and physiology to better understand the human body's needs.

After months of experimentation, Martin finally developed a prototype that met all of his criteria. The chair's seat height is adjustable, ranging from 16 to 21 inches off the floor, and the seat width and depth are also adjustable. The forward or backward tilt of the seat can also be adjusted.

But Martin didn't stop there. He also added lumbar support with height and depth adjustments to support the natural inward curve of the lower back. The backrest of the chair is 12 to 19 inches wide, adjustable in height and angle, and provides proper support for the lumbar region.

The chair also has adjustable armrests that allow the user's arms to rest comfortably and

shoulders to be relaxed. The elbows and lower arms rest lightly on the armrests, with the forearm not on the armrest while typing. The chair can easily rotate (swivel) to allow the user to reach different areas of their desk without straining.

Martin's quest for perfection wasn't easy, though. He faced numerous challenges along the way, from funding issues to failed prototypes. But he never gave up on his dream of creating the perfect chair.

In the end, Martin's perseverance paid off. His chair design is now considered a breakthrough in ergonomic office furniture. Workers who spend long hours at their desks are now able to do so in comfort, without worrying about developing back pain or other health issues. And all of this was thanks to Martin's unwavering dedication to his craft.

Output is on the long side, let's ask for it to be shorter and a more exciting read.

Prompt - Short Story:

make the story shorter and more exciting like an adventure of struggle and success

Output - Short Story

Meet Jack, the inventor of the perfect chair. Jack had been working in an office for years and suffered from constant back pain due to poor posture and uncomfortable seating. He tried different chairs, but none of them seemed to offer the perfect solution. Jack's frustration led him to begin experimenting with different chair designs.

Jack spent countless hours researching and testing different prototypes. He was determined to create a chair that would provide the ultimate ergonomic support for anyone who used it. But the road to success was long and filled with setbacks.

At one point, Jack had almost given up hope. He had spent all of his savings and still had not found the perfect design. But then, one day, he was struck with a brilliant idea. He would combine all the best features of his prototypes into one perfect chair.

Jack went back to the drawing board and poured all of his energy into designing the ultimate chair. Finally, after months of hard work, he succeeded. The chair he created had adjustable seat height, width, and depth. It had lumbar support and an adjustable backrest. It even had adjustable armrests and rotated easily.

Word of Jack's invention quickly spread, and soon, everyone wanted his perfect chair. It wasn't long before Jack was flooded with orders, and his business began to thrive.

Years later, Jack looked back on his struggles and smiled. He had overcome so much to create the perfect chair, and in the end, it had all been worth it. His invention had helped so many people, and he was proud to have made a difference in the world.

Having developed our headline, selling points, chair features summary, compelling backstory, and attention-grabbing slogans, we are now prepared to engage our offshore factory to commence production of the chair. Additionally, we can market it to major distributors and significant customers.

Conclusion

As you can see, what started out as a dull meeting followed by a document to an engaging chair complete with promotional titles and text, unique selling points, and a compelling backstory.

"Design is intelligence made visible." - Alina Wheeler

Starting a food business

"The only thing I like better than talking about food is eating." - John Walters



Foods - Image Generated by Midjourney AI

Fatima and Food

Fatima was a girl with a big dream: to set up her own food serving business. She had always loved cooking and experimenting with different flavors and cuisines. Her friends and family members would often rave

about her delicious meals, and some had even suggested that she should consider starting her own business.

Recipes are a crucial component of any food business, and in this regard, ChatGPT can be a valuable asset. For instance, if you have ingredients readily available in your kitchen, ChatGPT can swiftly provide you with a recipe that you can put together in no time.

For instance:

Prompt - Vegetarian:

```
Generate a vegetarian dish using zucchini and cherry tomatoes.
```

Output - Vegetarian

```
One delicious and healthy vegetarian dish that you could make using zucchini and cherry tomatoes is a Zucchini and Cherry Tomato Saute.
```

```
Here's how to make it:
```

```
Ingredients:
```

2 medium-sized zucchinis, sliced
1 pint of cherry tomatoes, halved
3 cloves of garlic, minced
2 tablespoons of olive oil
Salt and pepper to taste
Fresh basil leaves, chopped (optional)

Instructions:

Heat a large skillet over medium heat and add the olive oil.

Once the oil is hot, add the minced garlic and saute for about 30 seconds or until fragrant. Add the sliced zucchini to the skillet and saute for about 5 minutes or until it starts to brown. Add the halved cherry tomatoes to the skillet and saute for another 5 minutes or until the tomatoes are heated through and start to release their juices.

Season with salt and pepper to taste.

If desired, add fresh basil leaves to the skillet and stir to combine.

Serve the zucchini and cherry tomato saute hot and enjoy!

This dish is a great option for a light and healthy lunch or dinner. It's also quick and easy to make, and the combination of zucchini and cherry tomatoes is both flavorful and colorful.

-Or-

Prompt - Healthy Lunch:

```
Generate a healthy lunch option using quinoa and avocado.
```

Output - Healthy Lunch:

```
One healthy and delicious lunch option that you can make using quinoa and avocado is a Quinoa and Avocado Salad.
```

```
Here's how to make it:
```

```
Ingredients:
```

```
1 cup of quinoa  
2 cups of water  
1 avocado, diced  
1 red bell pepper, diced  
1/2 cup of fresh cilantro, chopped  
1/4 cup of red onion, diced  
1/4 cup of lime juice  
2 tablespoons of olive oil  
Salt and pepper to taste
```

Instructions:

Rinse the quinoa in a fine mesh strainer and place it in a medium-sized saucepan with 2 cups of water.

Bring the quinoa to a boil, reduce heat to low, cover and simmer for 15-20 minutes or until the quinoa is tender and the water has been absorbed.

Fluff the quinoa with a fork and set aside to cool.

In a large mixing bowl, combine the diced avocado, red bell pepper, cilantro, and red onion.

Add the cooled quinoa to the mixing bowl and stir to combine.

In a small mixing bowl, whisk together the lime juice, olive oil, salt, and pepper.

Pour the dressing over the quinoa salad and stir to combine.

Serve the quinoa and avocado salad chilled and enjoy!

This salad is a great option for a healthy and filling lunch. Quinoa is a great source of protein and fiber, while avocado provides healthy fats and essential nutrients. The red bell pepper and cilantro add a nice flavor and texture to the dish, while the lime dressing adds a refreshing touch.

-Or-

Prompt - Italian:

Write a recipe for a traditional Italian dish using eggplant and ground beef

Output - Italian

One traditional Italian dish that you can make using eggplant and ground beef is Eggplant and Beef Lasagna. Here's how to make it:

Ingredients:

1 large eggplant, thinly sliced
1 lb. of ground beef
2 cans of crushed tomatoes
2 cloves of garlic, minced
1 small onion, chopped
2 tablespoons of olive oil
Salt and pepper to taste
1 teaspoon of dried oregano
1/2 teaspoon of dried basil
12 lasagna noodles
2 cups of shredded mozzarella cheese

1/2 cup of grated Parmesan cheese

Instructions:

Preheat the oven to 375°F (190°C).

In a large skillet, heat the olive oil over medium heat.

Add the minced garlic and chopped onion to the skillet and sauté until the onion becomes translucent, about 3-4 minutes.

Add the ground beef to the skillet and cook until browned, about 10 minutes.

Add the crushed tomatoes, salt, pepper, dried oregano, and dried basil to the skillet and stir to combine.

Reduce the heat to low and let the sauce simmer for 20 minutes.

While the sauce is simmering, prepare the eggplant by slicing it into thin rounds and sprinkling them with salt. Let them sit for 10 minutes to remove any excess moisture, then rinse and pat dry.

Cook the lasagna noodles according to the package instructions.

Assemble the lasagna by spreading a layer of the beef sauce on the bottom of a 9x13 inch baking dish.

Add a layer of the eggplant slices on top of the sauce, followed by a layer of lasagna noodles.

Repeat the layers until you reach the top of the baking dish, finishing with a layer of beef

sauce on top.

Sprinkle the shredded mozzarella cheese and grated Parmesan cheese on top of the lasagna. Cover the baking dish with foil and bake in the preheated oven for 30 minutes.

Remove the foil and bake for an additional 15 minutes or until the cheese is melted and bubbly.

Let the lasagna cool for 10 minutes before slicing and serving.

This Eggplant and Beef Lasagna is a classic Italian dish that is sure to impress. The combination of the eggplant, ground beef, and tomato sauce creates a hearty and flavorful filling, while the layers of lasagna noodles and cheese add a satisfying texture. This dish is perfect for a family dinner or a special occasion.

What made Fatima's recipe research truly remarkable was her clever use of ChatGPT. By asking this innovative AI dynamic and exciting prompts, Fatima was able to unlock a treasure trove of delicious recipe results that she may not have otherwise discovered. With ChatGPT by her side, Fatima's culinary adventures were more exciting than ever before!

Prompts - for you to try:

Write a recipe for a spicy Thai dish using tofu and green curry paste.

Write a recipe for a comforting bowl of chicken noodle soup.

Generate a dinner recipe using salmon and asparagus.

Generate a vegetarian pasta dish using roasted red peppers and eggplant.

Start Small

At first, Fatima was hesitant. She didn't have many resources or any experience of running a business. But her motivation to turn her passion for cooking into a profitable venture was strong. She decided to start small and work her way up.

Food Stall

Fatima started by setting up a small food stall near her home. She offered a few of her signature dishes and quickly gained a following. People would come from all over the neighborhood to try her food. Fatima was constantly investigating how to improve and expand her offerings. She listened carefully to feedback from her customers and started experimenting with new recipes.

Fatima aimed to provide her clientele with healthier food alternatives, but she encountered a common predicament, healthy food often lacks the delicious taste associated with less healthy options.

Although some of Fatima's customers couldn't resist the delicious taste of fast food over healthy options, she refused to let this discourage her. With her passion for food and creativity, Fatima brainstormed a solution to satisfy their cravings while also providing a healthier alternative.

As they say, "Eating healthy doesn't have to be boring or bland. It's about discovering new flavors and enjoying the natural goodness of food."

Think Food Truck

As her business grew, Fatima knew she needed to think bigger. She started researching food trucks and realized that this could be the perfect way to take her business to the next level. She spent countless hours talking to food truck owners, attending food festivals, and reading up on the latest food trends.

With her nascent business sense and ability to detect trends, Fatima knew what she needed to do to make her food truck stand out. She decided to focus on healthy, locally sourced ingredients and offer a menu that catered to a variety of dietary needs. She also made sure to have eye-catching branding and a strong social media presence to attract customers.

Despite the challenges that come with starting a business, Fatima persevered. She worked tirelessly to save up enough money to purchase a used food truck and get all the necessary permits and licenses. And when the day finally arrived, and Fatima opened the doors of her food truck for the first time, she knew she had made the right decision.

Her business quickly took off, and within months, Fatima's food truck became a staple in the local food scene. She even started getting recognized in national food publications and was invited to participate in food festivals across the country.

Fatima's success was a result of her hard work, determination, and ability to listen and adapt to the

needs of her customers. She knew that setting up a food serving business was not going to be easy, but her love for cooking and desire to share her passion with others kept her going. Today, Fatima is a successful business owner and an inspiration to anyone who dreams of turning their passion into a thriving venture.

Prompt - McDonalds:

```
recommend a healthy 3 meal menu for breakfast,  
lunch and dinner for 1200 calories only sourced  
from McDonalds
```

Output - McDonalds

```
While it's generally recommended to eat a  
varied, balanced diet that includes nutrient-  
dense foods, including fast food like McDonald's  
in your diet can be done in moderation. As per  
your request, here's a sample menu for  
breakfast, lunch, and dinner that totals to  
approximately 1200 calories:  
  
Breakfast (approx. 300 calories)
```

Egg White Delight McMuffin (250 calories)
Black Coffee or Unsweetened Iced Tea (0-10
calories)

Lunch (approx. 400 calories)

Artisan Grilled Chicken Sandwich without the bun
(200-250 calories)

Side Salad with Newman's Own Low-Fat Balsamic
Vinaigrette dressing (70 calories)

Apple Slices (15 calories)

Small French Fries (230 calories)

Dinner (approx. 500 calories)

Southwest Grilled Chicken Salad (350 calories)
Low-Fat Balsamic Vinaigrette dressing (25
calories)

Fruit & Yogurt Parfait (150 calories)

Note that calorie counts may vary depending on
the specific items ordered and portion sizes.

It's important to keep in mind that fast food
should be consumed in moderation and should not
make up a large portion of your diet.

Additionally, this meal plan may not provide all
the necessary nutrients for optimal health, so
it's important to include a variety of nutrient-
dense foods in your diet.

Prompt - Pizza Hut:

recommend a healthy 3 meal menu for breakfast, lunch and dinner for 1200 calories only sourced from Pizza Hut

Output - Pizza Hut

Pizza Hut is generally known for their high-calorie and high-fat pizza options, so finding a healthy meal for all three meals while keeping the calorie count at 1200 can be challenging. However, here is a sample meal plan for breakfast, lunch, and dinner that is as healthy and low in calories as possible:

Breakfast (approx. 300 calories):

2 Egg and Vegetable Omelette with a side of fresh fruit (approx. 300 calories)

Lunch (approx. 400 calories):

Garden Salad with Grilled Chicken and Low-Fat Dressing (approx. 300 calories)

Small order of bone-out wings with buffalo sauce (approx. 100 calories)

Dinner (approx. 500 calories):

Veggie Lovers Thin Crust Pizza (1 slice, medium

size) with light cheese (approx. 200-250 calories)

Small Caesar Salad with Low-Fat Dressing (approx. 100-150 calories)

Grilled Chicken Sandwich with no sauce or cheese (approx. 150-200 calories)

Please note that the calorie counts for each item may vary depending on the specific ingredients used and portion sizes.

Additionally, this meal plan may not provide all the necessary nutrients for optimal health, so it's important to include a variety of nutrient-dense foods in your diet.

Prompts for you to try:

recommend a healthy 3 meal menu for breakfast, lunch and dinner for 1200 calories only sourced from Friday's

recommend a healthy 3 meal menu for breakfast, lunch and dinner for 1200 calories only sourced from Chillis

```
recommend a healthy 3 meal menu for breakfast,  
lunch and dinner for 1200 calories only sourced  
from Dominos Pizza
```

Fatima's resourcefulness was evident in her approach to sourcing meals from fast food restaurants. Rather than purchasing the meal for the customer, she would sell them an envelope containing instructions on what to order, including the necessary portions, and discount vouchers that she had prearranged with the chosen restaurants.

This not only worked for reduced calorie meals, but also for people with dietary restrictions like plant based only for instance:

Prompt - Plant Based:

```
recommend a plant based 3 meal menu for  
breakfast, lunch and dinner from a lebanese  
restaurant
```

Output - Plant Based

Here's a sample plant-based menu for breakfast, lunch, and dinner sourced from a Lebanese restaurant:

Breakfast:

Foul Mdammas: A traditional Lebanese breakfast dish made from fava beans, garlic, lemon juice, and olive oil, served with pita bread (approx. 300 calories)

Lunch:

Mujadara: A dish made from cooked lentils, rice, and caramelized onions, served with a side salad of mixed greens and a lemon-tahini dressing (approx. 400 calories)

Dinner:

Stuffed Eggplant: Roasted eggplant stuffed with a mixture of spiced rice, tomatoes, onions, and chickpeas, served with a side of grilled vegetables and a tahini sauce (approx. 500 calories)

Please note that the calorie counts for each item may vary depending on the specific ingredients and portion sizes used. These dishes offer a tasty and healthy plant-based alternative to traditional Lebanese cuisine.

Conclusion

With the assistance of ChatGPT AI, Fatima was able to swiftly expand her food business, displaying remarkable agility and speed in her menu choices to adapt to the rapidly changing trends and tastes of the market. She was also able to efficiently source her food, ensuring the best quality with ease, and run her business with a professional touch.

*"Eating is not a hobby, it is a way of life." -
Anonymous*

AI for Testing and Assessment

*"Teaching is not a profession; it's a passion." -
Unknown*



school life - Image Generated by Midjourney AI

Mamdooh, the part-time teacher

Mamdooh is a hardworking PhD student who also teaches school and undergraduates on a part-time basis to support his studies. He uses Skype and Zoom to instruct advanced students and evaluate their progress by customizing tests for each student based on their subject, level, and performance. While Mamdooh enjoys creating his own tests, the process is incredibly time-consuming, particularly given the need to customize each test for individual students.

Tests with ChatGPT Help

Thankfully, Mamdooh has discovered the tremendous productivity boost provided by ChatGPT. With this tool, he can generate tests and model answers in just seconds, significantly reducing the amount of time and effort required to provide effective guidance to his students. ChatGPT has revolutionized the way Mamdooh teaches, allowing him to streamline his work and provide high-quality education to his students efficiently.

Prompt - History Test:

```
Generate 10 multiple choice questions on the
topic of World History
```

Output - History Test

Sure, here are ten multiple-choice questions on the topic of world history:

In which year did the Cold War end?

- A) 1989
- B) 1991
- C) 1993
- D) 1995

Who was the leader of the Soviet Union during World War II?

- A) Joseph Stalin
- B) Vladimir Lenin
- C) Mikhail Gorbachev
- D) Nikita Khrushchev

Who was the first emperor of Rome?

- A) Julius Caesar
- B) Augustus
- C) Mark Antony
- D) Caligula

Who is known for leading the Indian independence movement against British rule?

- A) Mahatma Gandhi
- B) Jawaharlal Nehru
- C) Subhas Chandra Bose
- D) Sardar Vallabhbhai Patel

Which ancient civilization built the Machu

Picchu citadel?

- A) Incas
- B) Mayas
- C) Aztecs
- D) Olmecs

Which battle is considered the turning point of World War II in the European Theater?

- A) Battle of Stalingrad
- B) Battle of Midway
- C) Battle of the Bulge
- D) Battle of Kursk

Who wrote the "Communist Manifesto"?

- A) Karl Marx
- B) Friedrich Engels
- C) V.I. Lenin
- D) Mao Zedong

In which year did the Spanish conquer the Aztec empire?

- A) 1505
- B) 1521
- C) 1603
- D) 1707

Who was the first African American to become the President of the United States?

- A) Barack Obama
- B) Martin Luther King Jr.
- C) Malcolm X
- D) Rosa Parks

Who was the first woman to win a Nobel Prize?

- A) Marie Curie

- B) Jane Addams
- C) Mother Teresa
- D) Wangari Maathai

Follow up prompt for the answers - History Test Answers:

list out the answers

Output - History Test Answers

Sure! Here are the answers to the ten multiple-choice questions on world history:

- A) 1989
- A) Joseph Stalin
- B) Augustus
- A) Mahatma Gandhi
- A) Incas
- A) Battle of Stalingrad
- A) Karl Marx
- B) 1521
- A) Barack Obama
- A) Marie Curie

Prompts for you to try:

Generate 10 multiple choice questions on the topic of World History

Create 5 true or false questions on the topic of Biology

Develop 10 short answer questions on the topic of Literature

Generate 5 essay questions on the topic of Political Science

Create 10 matching questions on the topic of Geography

Develop 5 fill-in-the-blank questions on the topic of Math

Generate 10 reasoning questions on the topic of Physics

Create 5 case study questions on the topic of Business Management

Essays

In addition to multiple choice questions, Mamdooh students also get asked to write essays. Mamdooh can use ChatGPT to correct these essays.

Here is a poor attempt by a student in writing an essay about Happiness, her spelling is not so great and her grammar also is not the best.

Everyday we try to find happyness in a complete caos, that's what we struggle for. Actually, temprary happyness is evrywhre if we want to find it and search

for it. Sometimes it is just as close as a cute kitten to us, sometimes giving a hand to someone who is in need of us is enough. Even taking a breath may give somebody the absolute happiness at times. But what if we leave temporary happiness alone and decide to construct our lives on basic principles of permanent happiness? Certainly these principles depend on one's characteristics and point of view. In my opinion, social relations, acceptance and independence are the most important elements of permanent happiness in life.

To begin with, social relations are very important for me to be happy in the general drift of my life. I should have good relations with the people around me for peace of my mind. If I have close and intimate friends with whom I can share my troubles, worries and also my joy, then it means that I have beaten the life up to a very considerable point. In my opinion, someone who has real friends has the most valuable treasure of life. In order to obtain this treasure, I make my friends among the people whose principles resemble mine, whose characteristics best suit me and who are sincere. Besides friends I try to have good relations with the people I encounter somehow everyday, like neighbors, acquaintances, teachers, relatives and the others.

The second element of continuous happiness for me is acceptance: to clarify, acceptance of my characteristics, behaviors, choices and desires. At one

point, it can be defined as the acceptance of my existence as a real individual. As long as I am accepted and taken as I am, I can make right decisions for myself. To accomplish this, I explain that I don't want unnecessary criticisms from the people around me. Unless the things I do or think affect anybody, the others should not poke their nose into them. It is none of their business to interfere with me about the subjects that only interest me.

To sum up, if I acquire success in social relations, independence and acceptance, then it means that I have the golden key to make happiness an enduring element of my life. Obtaining all these elements may not be very easy, they may be achieved only in the long run but there is something we should always bear in mind, achieving the real and permanent happiness in life is not that easy, either

Mamdooh can ask ChatGPT to correct the essay and show where the mistakes are.

Prompt - Essay Review and grade:

```
review this essay and correct it like a teacher
showing where the mistakes are and what can be
done to improve it and grading it:
```

Everyday we try to find happiness in a complete chaos, that's what we struggle for. Actually, temporary happiness is everywhere if we want to find it and search for it. Sometimes it is just as close as a cute kitten to us, sometimes giving a hand to someone who is in need of us is enough. Even taking a breath may give somebody the absolute happiness at times. But what if we leave temporary happiness alone and decide to construct our lives on basic principles of permanent happiness? Certainly these principles depend on one's characteristics and point of view. In my opinion, social relations, acceptance and independence are the most important elements of permanent happiness in life.

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Output - Essay Review and Grade

Essay Review:

Every day, we try to find happiness in complete chaos, and that's what we struggle for.

Actually, temporary happiness is everywhere if we want to find it and search for it. Sometimes, it is just as close as a cute kitten to us, sometimes giving a hand to someone who is in need of us is enough. Even taking a breath may give somebody the absolute happiness at times. But what if we leave temporary happiness alone and decide to construct our lives on basic principles of permanent happiness? Certainly, these principles depend on one's characteristics and point of view. In my opinion, social relations, acceptance, and independence are the most important elements of permanent happiness in life.

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very considerable point. In my opinion, someone who has real friends has the most valuable treasure of life. To obtain this treasure, I make friends with people whose principles resemble mine, whose characteristics best suit me, and who are sincere. Besides friends, I try to have good relations with the people I encounter somehow every day, like neighbors, acquaintances, teachers, relatives, and others.

The second element of continuous happiness for me is acceptance: to clarify, acceptance of my characteristics, behaviors, choices, and desires. At one point, it can be defined as the acceptance of my existence as a real individual. As long as I am accepted and taken as I am, I can make right decisions for myself. To accomplish this, I explain that I don't want unnecessary criticisms from the people around me. Unless the things I do or think affect anybody, the others should not poke their nose into them. It is none of their business to interfere with me about the subjects that only interest me.

To sum up, if I acquire success in social relations, independence, and acceptance, then it means that I have the golden key to make happiness an enduring element of my life. Obtaining all these elements may not be very

easy. They may be achieved only in the long run, but there is something we should always bear in mind: achieving real and permanent happiness in life is not that easy, either.

Grading:

This essay shows a good understanding of the topic and presents a clear argument about the importance of social relations, acceptance, and independence for achieving permanent happiness. However, there are several spelling and grammatical errors throughout the essay, which can make it difficult to understand in some places. For example, "temprary happyness" should be "temporary happiness," "evrywhre" should be "everywhere," "kitn" should be "kitten," "freinds" should be "friends," and "elemnts" should be "elements."

To improve the essay, the writer should focus on proofreading and correcting these errors before submitting the final draft. Additionally, the essay could benefit from more specific examples and evidence to support the argument. Overall, the essay is well-written and thoughtful, and the writer has done a good job of conveying their ideas about the topic.

Grade: B

Ok, the student got a B, and Mamdooh saved a lot of time in correcting that work.

ChatGPT is just as good at writing essays also, let us ask ChatGPT to write us an essay as a 14 year old on the forever popular essay title of “What I Did in my Summer Vacation”

Prompt - My Summer Holiday Essay:

```
you are a 14 year old male student, you went on holiday in Egypt for 10 days last summer, you stayed in Cairo for a few days and visited all the famous places, and you also went to Sharm El Sheikh where you enjoyed the beach and related activities. Write me a 500 word essay on my summer vacation
```

Let us give ChatGPT as much hints as possible about what to write, and then see what we get. Notice in the prompt that we set a word count limit of 500 otherwise, ChatGPT would happily produce many pages for your essay.

Output - My Summer Holiday Essay

Last summer, I had the opportunity to travel to Egypt for 10 days with my family. It was my first time visiting this beautiful country, and I was really excited to explore all the amazing places that I had heard so much about.

We started our trip in Cairo, where we spent the first few days visiting all the famous landmarks such as the Great Pyramids, the Sphinx, and the Egyptian Museum. Seeing the Great Pyramids in person was absolutely breathtaking. They are so massive and grand, and it's hard to imagine how they were built so many thousands of years ago. We also went inside one of the pyramids, which was a really cool experience. The Egyptian Museum was also really interesting, with so many artifacts from ancient Egyptian times, including the famous gold mask of King Tutankhamun.

In addition to the historical sites, we also visited some modern attractions in Cairo such as the Cairo Tower and the Khan el-Khalili market. The Cairo Tower provided an incredible view of the entire city, and we got some great photos from the top. The market was a bustling and colorful place, filled with shops selling all kinds of goods, from spices to jewelry to souvenirs.

After a few days in Cairo, we headed to Sharm El

Sheikh, which is located on the coast of the Red Sea. This was a completely different experience from our time in Cairo, as we spent most of our time at the beach and doing water-related activities. The water in the Red Sea is so clear and blue, and we spent hours swimming and snorkeling among the coral reefs. We even went on a glass-bottomed boat tour to see the underwater world from a different perspective.

One of the highlights of our time in Sharm El Sheikh was a day trip we took to the nearby desert. We rode camels and ATVs, and even went sandboarding down the dunes. It was a really fun and unique experience that we all enjoyed.

Overall, my trip to Egypt was an unforgettable experience. I learned so much about ancient Egyptian history and culture, and also got to enjoy some beautiful natural scenery and modern attractions. It was amazing to see how different the city of Cairo was from the beach town of Sharm El Sheikh, and I feel lucky to have had the opportunity to experience both. I would definitely recommend Egypt as a travel destination to anyone who is interested in history, culture, and adventure.

A really good essay, we couldn't have done it any better.

Conclusion

As you can see, ChatGPT is extremely versatile and great at generating tests even for topics that are non-academic and exist only in the professional world. Essays are easily created also, or corrected, the more background information you give, the better the essay results.

"The only way to do great work is to love what you do." - Steve Jobs

AI For Business

*"It's not about ideas. It's about making ideas happen." -
Scott Branson*



Modern Day Business Man - Image Generated by Midjourney AI

Introducing the FamilyGram App developed by Sami

Sami intends to launch his own business based on an app he has already created. The app, which is similar to

Instagram, enables users to take photos and share them exclusively with family members. It is designed to provide greater privacy for its users by remaining separate from social media platforms. The app requires a subscription fee, but it guarantees parents and children that their personal moments will stay private and only shared with people close to them. He wants to call it FamilyGram.

Now that the app is developed and ready and able to run on Android and iPhone, Sami does not know what to do next, so he asks ChatGPT what are the next steps.

Prompt - app launch steps:

```
Sami has developed an app called familygram. It runs on IOS and Android , what are the reccomended steps to launch this app as a viable profitable business
```

Output - app launch steps

```
Launching an app as a viable and profitable business requires careful planning and execution. Here are some recommended steps that Sami can take to launch his app, Familygram:
```

Conduct market research: Sami needs to research the market to understand the competition, target audience, and potential demand for his app. This can be done through surveys, focus groups, and other market research methods.

Develop a business plan: A business plan will help Sami define his goals, target audience, revenue model, and marketing strategies. It should also include financial projections, such as expected revenue and costs.

Build a website and social media presence: Creating a website and social media profiles will help Sami promote his app and build a strong brand image. He can also use social media to engage with potential customers and gather feedback.

Launch the app on app stores: Sami needs to list his app on the App Store and Google Play Store. This will require complying with their submission guidelines and paying any associated fees.

Launch marketing campaigns: Sami needs to promote his app through digital marketing campaigns such as social media advertising, search engine optimization, and email marketing. He can also reach out to influencers or bloggers who specialize in family-related content.

Continuously improve the app: Sami should gather feedback from customers and use it to improve the app's user experience. This can help attract new customers and retain existing ones.


```
By following these steps, Sami can launch Familygram as a profitable business and grow it over time.
```

That's a lot to think about and do, and Sami is a good coder but inexperienced in business. ChatGPT listed the steps as:

1. Conduct market research
2. Develop a business plan
3. Build a website and social media presence
4. Launch the app on app stores
5. Launch marketing campaigns
6. Continuously improve the app.

Time for Sami to get to work, and the best way is to ask advice from ChatGPT.

Conduct market research

When asking questions to ChatGPT, it is good to make the question as detailed as reasonably possible so that you can have an answer best suited for what you are trying to achieve.

Let us ask about the best way to do market research without having to pay a lot of money.

Prompt - Market Research:

I have developed an app similar to Instagram, enables users to take photos and share them exclusively with family members. It is designed to provide greater privacy for its users by remaining separate from social media platforms. The app requires a subscription fee, but it guarantees parents and children that their personal moments will stay private and only shared with people close to them. He wants to call it FamilyGram.

How do i conduct market research for my app familygram, that allows family to post private pictures and pay a fee for using the app. I have no budget and need a no cost or low cost method

Output - Market Research

There are several ways to conduct market research for your app FamilyGram, even with a low or no budget. Here are some ideas:

Use social media: You can leverage social media to reach out to your target audience and conduct surveys or polls. You can post on Facebook

groups, Twitter, or LinkedIn to ask questions about the types of features they would like to see in a family photo-sharing app, their willingness to pay a subscription fee, and their preferences for app design.

Conduct customer interviews: You can reach out to friends, family members, and acquaintances who fit your target audience to conduct customer interviews. You can ask them questions about their photo-sharing habits, their opinions on existing photo-sharing apps, and their willingness to pay for a subscription-based app.

Analyze competitor apps: Look at what other photo-sharing apps offer and read their reviews to understand what customers like and dislike about them. You can then use this information to develop features that will differentiate your app from the competition.

Create a landing page: You can create a landing page for your app and use Google Analytics to track the number of visitors and the actions they take on the page. You can use this data to gauge interest in your app and understand which features are most appealing.

Attend local events: You can attend local events such as family festivals or parenting workshops to conduct in-person surveys and get feedback from your target audience.

Overall, it's important to be creative and resourceful when conducting market research with a limited budget. By leveraging free or low-cost

```
tools, you can get valuable insights that will help you refine your app and make it more appealing to your target audience.
```

Ok, that's a long list, but with good information. Let me ask for a summary todo list, so we can start our market research journey.

Prompt - todo list:

```
summarize in a todo list
```

Output - todo list

```
Sure! Here's a summary of the market research tasks you can do for FamilyGram, arranged in a to-do list format:
```

```
Use social media to conduct surveys or polls.  
Conduct customer interviews with friends, family members, and acquaintances who fit your target audience.
```

```
Analyze competitor apps and their customer reviews.
```

```
Create a landing page for your app and track
```

```
visitors' actions using Google Analytics.  
Attend local events to conduct in-person surveys  
and get feedback from your target audience.  
Remember to keep track of your findings and use  
them to improve your app's features and design.  
Good luck with your market research!
```

Sami goes ahead and does some market research and gets positive feedback from his targeted audience, they all appreciate the privacy that his product offers and that the developer is easily reachable for any suggestions or requests.

Develop A Business Plan

Sami interacted with his potential customers and did the market research needed and understood his app better and what people were looking for.

Now next on his todo list is to develop a business plan, the problem is: Sami never made a business plan before.

Again, he asked the AI to give him questions to answer so that he can make his business plan more valid and useful.

Prompt - business plan:

I have developed an app similar to Instagram, enables users to take photos and share them exclusively with family members. It is designed to provide greater privacy for its users by remaining separate from social media platforms. The app requires a subscription fee, but it guarantees parents and children that their personal moments will stay private and only shared with people close to them. He wants to call it FamilyGram.

I want to develop a business plan, what questions do i need to answer to help build a good business plan

Output - business plan

To develop a business plan for your app, here are some key questions that you should consider:

What is the market opportunity for FamilyGram?
Who is your target audience, and what are their needs?

What is the competitive landscape? Who are your competitors, and what are their strengths and weaknesses?

What is your unique value proposition? What sets

FamilyGram apart from other photo-sharing apps, and how does it solve your target audience's problems?

What is your pricing strategy? How much will you charge for subscriptions, and how does this compare to other photo-sharing apps?

What is your marketing strategy? How will you promote FamilyGram to your target audience, and what channels will you use to reach them?

What is your sales strategy? How will you acquire new subscribers, and what will your customer acquisition cost be?

What is your operational plan? How will you manage the day-to-day operations of the business, and what resources will you need?

What is your financial plan? How much revenue do you project to generate, and what are your expenses? What are your key performance indicators (KPIs), and how will you measure success?

What are the risks and challenges that you anticipate, and how will you mitigate them?

By answering these questions, you can develop a comprehensive business plan that will guide your app's development, marketing, and growth.

Now that Sami has the questions, and many answers he already knows from his market research, he can answer them then ask ChatGPT to provide a business plan.

Ok, now Sami needs to answer the questions:

Who is your target audience, and what are their needs?

The target audience requires good privacy and someone trustworthy that will not sell their private photos. The target audience will be families and extended families.

Who are your competitors and what is the market opportunity for your app?

The competitors are instagram, and facebook, their weakness is that privacy is not guaranteed, and third parties can see posts that members post. FamilyGram is committed to privacy and will store and share pictures only with the intended audience and use highly secure methods to guarantee privacy.

What is your unique value proposition?

Privacy, privacy, privacy, and a responsive developer who listens and acts fast on suggestions from is customers.

What is your pricing strategy?

The pricing will be USD 5 per yearly subscription. This will be used to make the app independent and not need to sell customer information to subscribers, it will also be used to maintain the computing resources needed to keep it running.

What is your marketing strategy?

The marketing strategy will be referrals, and if someone is mentioned, they get notified to join in if they want to share. Once we grow, there will also be online advertising targeting close-knit families and friends.

What is your sales strategy?

Initially, it will be by referrals, and customer acquisition will be by word of mouth, later there will be promotional referrals from existing customers , the target customer will receive a 20% discount, and the referring customer will get a 10% bonus .

What is your operational plan and what resources will you need?

There will be a customer service email and chatbot that will handle customer requests, and that will be outsourced.

There will be a development team for maintaining and updating the app.

There will be a finance team that will be outsourced for keeping track of all the money.

What is your financial plan and what are your key performance indicators?

We plan organic growth to start with in the first 3 months, then start promoting the app in select markets, then rely on the network effect in having the software spread.

Our main KPI is number of users

Users Revenue

Users Acquisition cost

Support and Development Cost

Miscellaneous cost

What are the risks and challenges you anticipate and how will you mitigate them?

Risks are the software will not spread as predicted, to mitigate it, we will work on more promotions and features to attract users.

Getting the Business Plan Built

After answering all the questions , now we can give ChatGPT our answers and tell it to provide us with a business plan.

It is going to be a long prompt as we provide ChatGPT with all our answers to the questions asked

Prompt - business plan development:

```
Develop a business plan for me defining goals, target audience, revenue model, and marketing strategies. It should also include financial projections, such as expected revenue and costs
```

```
business plan can be built based on below information:
```

```
**Who is your target audience and what are their
```

needs?*

_The target audience needs good privacy and someone trustworthy that will not sell their private photos. The target audience will be families and extended families. _

**Who are your competitors and what is the market opportunity for your app?*

The competitor is instagram, and facebook, their weakness is that privacy is not guaranteed and third parties can see posts that members post. FamilyGram is committed to privacy and will store and share pictures only with the intended audience and use highly secure methods to guarantee privacy.

**What is your unique value proposition?*

Privacy, privacy, privacy, and a responsive developer who listens and acts fast on suggestions from is customers.

**What is your pricing strategy?*

The pricing will be USD 5 per yearly subscription, and this will be used to make the app independent and not need to sell customer information to subscribers, it will also be used to maintain the computing resources needed to keep it running.

**What is your marketing strategy?*

_The marketing strategy will be referrals, and if

someone is mentioned, they get notified to join in if they want to share. Once we grow, there will be online advertising also targeting close knit families and friends._

****What is your sales strategy?****

Initially it will be by referrals, and customer acquisition will be by word of mouth, later there will be promotional referrals from existing customers , the target customer will receive a 20% discount, and the referring customer will get a 10% bonus .

****What is your operational plan and what resources will you need?****

There will be a customer service email and chatbot that will handle customer requests, and that will be outsourced.

There will be a development team for maintaining and updating the app.

There will be a finance team that will be outsourced for keeping track of all the money.

****What is your financial plan and what are your key performance indicators?****

We plan organic growth to start with in the first 3 month, then start promoting the app in select markets, then rely on the network effect in having the software spread.

_Our main KPI is number of users _

```
_Users Revenue_  
_Users Acquisition cost_  
_Support and Development Cost_  
_Miscellaneous cost _
```

```
**What are the risks and challenges you  
anticipate and how will you mitigate them?**
```

```
_Risks are the software will not spread as  
predicted, to mitigate it, we will work on more  
promotions and features to attract users._
```

Output - business plan development

Business Plan for FamilyGram

Executive Summary:

FamilyGram is a social media platform that prioritizes privacy, providing families with a secure way to share photos and communicate with each other. Our target audience is families and extended families who value privacy and trust. Our app will offer a yearly subscription plan of \$5 to ensure that our users' private information is not sold to third-party organizations.

Market Opportunity:

The market for social media platforms is vast, with billions of active users worldwide. However,

there is a growing concern among users about privacy and data security. Our unique value proposition of ensuring privacy and responsiveness to customer feedback differentiates us from other social media platforms like Instagram and Facebook.

Target Audience:

Our target audience is families and extended families. They need a social media platform that provides privacy and security, allowing them to share personal photos and communicate with each other. By providing a more secure and private platform, we aim to attract users who have concerns about their online privacy.

Competitors:

Our primary competitors are Instagram and Facebook. While they offer social media platforms for users to share photos and communicate, privacy is not guaranteed. FamilyGram is committed to ensuring privacy and security, only sharing pictures with the intended audience, and using highly secure methods to guarantee privacy.

Revenue Model:

FamilyGram will use a yearly subscription model of \$5 per user. This subscription fee will be used to maintain the app's computing resources, ensure the app's independence, and ensure that users' private information is not sold to third-

party organizations.

Marketing Strategy:

Our marketing strategy will be based on referrals, where existing users will invite their family members to join. As the app grows, we will promote it in select markets and rely on the network effect to have the software spread. We will also use online advertising to target close-knit families and friends.

Sales Strategy:

Initially, FamilyGram will acquire customers by word of mouth and referrals. To incentivize referrals, we will offer a 20% discount to the target customer and a 10% bonus to the referring customer.

Operational Plan:

There will be a development team to maintain and update the app. We will also outsource the customer service email and chatbot to handle customer requests. A finance team will also be outsourced to keep track of all financial activities.

Financial Plan:

Our primary financial goal is to achieve organic growth in the first three months of launch, followed by promoting the app in select markets. We will track our growth and revenue through

several key performance indicators, including the number of users, revenue, user acquisition cost, support, and development cost, and miscellaneous cost.

Risks and Challenges:

The primary risk is that the software may not spread as predicted. To mitigate this risk, we will work on more promotions and features to attract users. We will also prioritize customer feedback and respond promptly to their suggestions to ensure that our app remains competitive and meets users' needs.

Conclusion:

FamilyGram aims to provide a social media platform that prioritizes privacy and security for families and extended families. By offering a more secure and private platform, we aim to attract users who have concerns about their online privacy. We believe that our unique value proposition, pricing strategy, and marketing approach will enable us to grow and succeed in the social media industry.

Let us ask for some more detailed financials as well.

Prompt - financials:

give me financials for the next 4 quarters, including a balance sheet, profit and loss, and cash flow. Make assumptions where needed and use industry figures when the information is not know

Output - financials

I'm sorry, but it's not possible for me to generate specific financial projections without having detailed information about the business, including historical financial data and market analysis. Developing financial projections requires a thorough analysis of various factors such as the size of the target market, the competition, the pricing strategy, the marketing budget, the operational expenses, and many others.

This was followed with some empty templates and tables that needed to be filled. So I rephrased the prompt with numerical predictions especially for the points mentioned in the first prompt response.

Prompt - financials with number assumptions:

give me financials for the next 4 quarters,
including a balance sheet, profit and loss, and
cash flow. Make assumptions where needed and use
industry figures when the information is not know
Assume \$5 per user for an annual fee
Assume 30% growth per quarter. The first quarter
will have 5000 users.
Operations cost is 10% of revenue
Advertising is 15% of revenue
Acquistion cost is 10% of revenue

*The results were comprehensive financials by quarter,
with all the details, filling up several pages . I will leave
it as an exercise for you to see it.*

*Note: Sometimes ChatGPT stops outputting half way
, just write “continue” in the prompt text box.*

You can stop here for the business plan section if you
do not want to go into more details , or continue below
as we ask for the balance sheet , profit and loss, and cash
flow for our business plan

Business Plan Details

Or, let us break it down into smaller pieces so let us
modify the prompt as follows

Prompt - balance sheet:

Assume \$5 per user for an annual fee
Assume 30% growth per quarter. The first quarter
will have 5000 users.
Operations cost is 10% of revenue
Advertising is 15% of revenue
Acquisition cost is 10% of revenue

I want a balance sheet for the next 4 quarters

Output - balance sheet

Based on the given information, we can start by calculating the revenue and costs for each quarter, and then use those figures to construct a balance sheet.

Quarter 1:

Starting Users: 5000

Annual Fee per User: \$5

Revenue: $5000 * \$5 = \$25,000$

Operations Cost: 10% of Revenue = \$2,500

Advertising Cost: 15% of Revenue = \$3,750

Acquisition Cost: 10% of Revenue = \$2,500

Net Income: Revenue - Operations Cost -

Advertising Cost - Acquisition Cost = \$16,250

Using the 30% growth per quarter assumption, we

can calculate the number of users for each subsequent quarter:

Quarter 2:

Starting Users: $5000 * 1.3 = 6,500$

Annual Fee per User: \$5

Revenue: $6,500 * \$5 = \$32,500$

Operations Cost: 10% of Revenue = \$3,250

Advertising Cost: 15% of Revenue = \$4,875

Acquisition Cost: 10% of Revenue = \$3,250

Net Income: Revenue - Operations Cost -
Advertising Cost - Acquisition Cost = \$21,125

Quarter 3:

Starting Users: $6,500 * 1.3 = 8,450$

Annual Fee per User: \$5

Revenue: $8,450 * \$5 = \$42,250$

Operations Cost: 10% of Revenue = \$4,225

Advertising Cost: 15% of Revenue = \$6,338

Acquisition Cost: 10% of Revenue = \$4,225

Net Income: Revenue - Operations Cost -
Advertising Cost - Acquisition Cost = \$27,462

Quarter 4:

Starting Users: $8,450 * 1.3 = 10,985$

Annual Fee per User: \$5

Revenue: $10,985 * \$5 = \$54,925$

Operations Cost: 10% of Revenue = \$5,493

Advertising Cost: 15% of Revenue = \$8,239

Acquisition Cost: 10% of Revenue = \$5,493

Net Income: Revenue - Operations Cost -
Advertising Cost - Acquisition Cost = \$35,700
Using these figures, we can construct a balance
sheet for each quarter:

Quarter 1 Balance Sheet:

Assets	Liabilities &	Equity	
\$25,000	Equity	\$25,000	
Total	\$25,000	Total	\$25,000

Quarter 2 Balance Sheet:

Assets	Liabilities &	Equity	
\$57,500	Equity	\$57,500	
Total	\$57,500	Total	\$57,500

Quarter 3 Balance Sheet:

Assets	Liabilities &	Equity	
\$105,962	Equity	\$105,962	
Total	\$105,962	Total	\$105,962

Quarter 4 Balance Sheet:

Assets	Liabilities &	Equity	
\$163,337	Equity	\$163,337	
Total	\$163,337	Total	\$163,337

Note:

These balance sheets reflect the growth in assets
(primarily cash from revenue) and equity (the
owner's share of the business) over the four
quarters, as well as the liabilities (none, in

this case) that are owed by the business.

It's worth noting that the assumptions made in this model may not reflect actual business performance. For example, 30% growth per quarter may be overly optimistic, while the percentages assigned to costs may not reflect real-world expenses. Additionally, the balance sheet does not account for additional factors such as taxes, interest on debt, or depreciation of assets. Nevertheless, this model can serve as a starting point for estimating the financial performance of a business over time.

Prompt - grid form balance sheet:

summarize it in a grid form for all quarters combined

Output - grid form balance sheet

Sure, here's a summary grid for all quarters combined:

Quarter	Starting Users	Revenue	Operations Cost
---------	----------------	---------	-----------------

	Advertising Cost	Acquisition Cost	Net		
	Income	Assets	Equity	Liabilities	
Q1	5,000	\$25,000	\$2,500	\$3,750	\$2,500
	\$16,250	\$25,000	\$25,000	\$0	
Q2	6,500	\$32,500	\$3,250	\$4,875	\$3,250
	\$21,125	\$57,500	\$57,500	\$0	
Q3	8,450	\$42,250	\$4,225	\$6,338	\$4,225
	\$27,462	\$105,962	\$105,962	\$0	
Q4	10,985	\$54,925	\$5,493	\$8,239	\$5,493
	\$35,700	\$163,337	\$163,337	\$0	

This table shows the key financial metrics for each quarter, as well as a running total for assets, equity, and liabilities. Note that there are no liabilities in this model, so the "Liabilities" column is always \$0.

Prompt - CSV Summary:

give me the summary in CSV so i can import it to excel

Output - CSV Summary

Sure, here's the summary in CSV format:

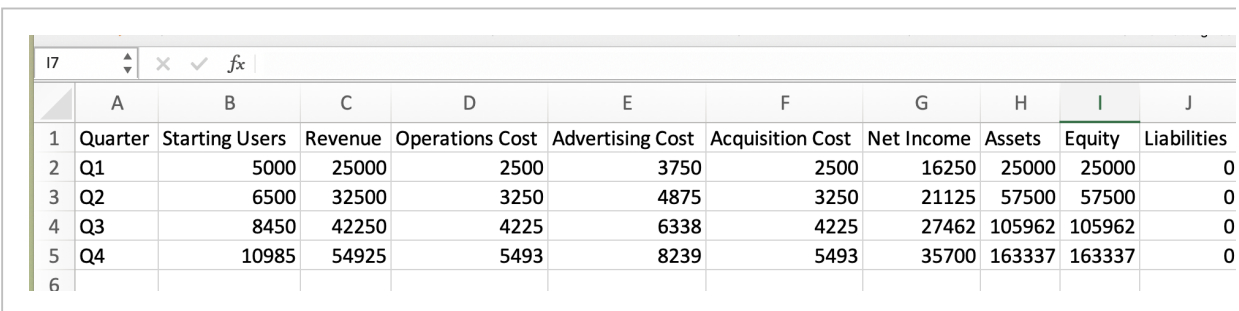
Copy code

```
Quarter,Starting Users,Revenue,Operations  
Cost,Advertising Cost,Acquisition Cost,Net  
Income,Assets,Equity,Liabilities  
Q1,5000,25000,2500,3750,2500,16250,25000,25000,0  
Q2,6500,32500,3250,4875,3250,21125,57500,57500,0  
Q3,8450,42250,4225,6338,4225,27462,105962,105962,  
0  
Q4,10985,54925,5493,8239,5493,35700,163337,163337  
,0
```

You should be able to save this as a CSV file and then import it into Excel or any other spreadsheet software.

To get into Excel, copy the comma separated (or delimited) numbers, paste them in a text file, save that text file and name it balance.csv , then get your favorite spreadsheet and load that file into your spreadsheet.

In excel it should look something like this after adjusting the columns widths:



	A	B	C	D	E	F	G	H	I	J
1	Quarter	Starting Users	Revenue	Operations Cost	Advertising Cost	Acquisition Cost	Net Income	Assets	Equity	Liabilities
2	Q1	5000	25000	2500	3750	2500	16250	25000	25000	0
3	Q2	6500	32500	3250	4875	3250	21125	57500	57500	0
4	Q3	8450	42250	4225	6338	4225	27462	105962	105962	0
5	Q4	10985	54925	5493	8239	5493	35700	163337	163337	0
6										

How it looks in MS Excel

Now asking for the profit and loss

Prompt - profit and loss:

```
give me the profit and loss for every quarter
```

Output - profit and loss

```
Sure, here's the profit and loss for each
quarter:

Quarter Revenue Operations Cost Advertising Cost
Acquisition Cost      Net Income
Q1  $25,000 $2,500  $3,750  $2,500  $16,250
Q2  $32,500 $3,250  $4,875  $3,250  $21,125
Q3  $42,250 $4,225  $6,338  $4,225  $27,462
Q4  $54,925 $5,493  $8,239  $5,493  $35,700
This table shows the revenue, operations cost,
advertising cost, acquisition cost, and net
income for each quarter. Net income is calculated
as revenue minus the total of operations cost,
advertising cost, and acquisition cost.
```

And the cash flow

Prompt - cash flow:

```
give me the cash flow for every quarter
```

Output - cash flow:

```
Certainly! Here's the cash flow for each quarter:
```

Quarter	Cash Inflow	Cash Outflow	Net Cash Flow
Q1	\$25,000	\$8,750	\$16,250
Q2	\$32,500	\$11,375	\$21,125
Q3	\$42,250	\$14,788	\$27,462
Q4	\$54,925	\$19,225	\$35,700

```
This table shows the cash inflow (total revenue) and cash outflow (the sum of operations cost, advertising cost, and acquisition cost) for each quarter, as well as the resulting net cash flow. The net cash flow is calculated as cash inflow minus cash outflow.
```

Build a website and social media presence

Moving on to building a website and a social media presence.

Let us ask chatGPT for advice.

Prompt - Social Media Presence:

```
we need to Build a website and social media presence for our FamilyGram app, what is the best strategy moving forward
```

Output - Social Media Presence

Building a website and establishing a social media presence are important steps in marketing a new product or service like FamilyGram. Here are some general strategies to consider when moving forward:

Define your target audience: Identify the ideal users of your app, and tailor your website and social media messaging to appeal to their interests and needs.

Develop a content strategy: Plan the type of content you want to create and share on your website and social media channels. This could include blog posts, how-to guides, infographics, videos, and other content that is relevant to your target audience.

Leverage SEO: Optimize your website content for

search engines to increase visibility and attract more organic traffic. Use relevant keywords in your website copy and meta descriptions, and include alt tags for images.

Establish a strong social media presence:

Identify the social media channels where your target audience is most active, and create accounts on those platforms. Consistently post engaging content, interact with your followers, and use social media advertising to reach a wider audience.

Encourage user-generated content: Encourage users of your app to share their experiences on social media by creating a branded hashtag and incentivizing them with rewards or recognition.

Measure and optimize: Use analytics tools to track website and social media performance, and make data-driven decisions to improve your strategy. Test different types of content and posting schedules to see what resonates best with your audience.

Remember that building a successful online presence takes time and effort, so it's important to be patient and persistent. By creating valuable content, engaging with your audience, and consistently measuring and optimizing your strategy, you can build a strong online presence for your FamilyGram app.

Lots of excellent advice, let us ask for it in a summarized todo list format

Prompt - - Social Media Presence Todo:

```
give me these points in a one line each,  
summarized todo list format
```

Output - Social Media Presence Todo:

```
Sure! Here's a summarized todo list format:  
  
Define target audience.  
Develop content strategy.  
Optimize website for SEO.  
Establish social media accounts.  
Post engaging content and interact with  
followers.  
Encourage user-generated content.  
Measure website and social media performance.  
Make data-driven decisions to optimize strategy.
```

If there is anything that is not clear, or you need more details, just ask ChatGPT and it will give you the answer

you are looking for. Keep an eye out for any mistakes and ask ChatGPT to correct them if found.

Launch the app on app stores

First question, how do we do that?

Prompt - App Launch:

```
how do i launch my app on the popular app stores
```

Output - App Launch

```
To launch your app on the popular app stores, such as the Apple App Store and Google Play Store, you will need to follow the app store submission guidelines and process. Here are the general steps you'll need to take:
```

```
Create a developer account: Register as a developer on the app store you want to launch your app on. This usually involves providing some personal and company information and paying a one-time or yearly registration fee.
```

```
Prepare your app for submission: Ensure your app meets the app store's guidelines for content,
```

functionality, and user experience. This includes testing your app for bugs, optimizing its performance, and making sure it meets any necessary legal or technical requirements.

Submit your app for review: Once your app is ready for submission, upload it to the app store and complete the submission form. The app store will then review your app to ensure it meets their guidelines and is safe for users.

Wait for approval: The app store review process can take several days to several weeks, depending on the app store and the complexity of your app. During this time, you may need to provide additional information or address any issues the app store identifies.

Launch your app: Once your app is approved, it will be available for download on the app store. Make sure to promote your app through marketing and advertising to reach your target audience and maximize downloads.

Launching your app on the app stores can be a complex process, so it's important to thoroughly research the guidelines and requirements of each app store and carefully follow their submission process.

Let us ask for useful weblink to help us in our app launch journey

Prompt - Weblinks for App Launch:

```
can you provide me with useful weblinks for  
helping me in launching my app ?
```

Output - Weblinks for App Launch

```
Sure, here are some useful web links that can  
help you with launching your app on popular app  
stores:
```

```
Apple App Store: https://developer.apple.com/app-store/
```

```
This link will take you to Apple's App Store  
developer page, where you can register as a  
developer, submit your app for review, and access  
resources to help you develop and market your  
app.
```

```
Google Play Store:
```

```
https://developer.android.com/distribute/play-console
```

```
This link will take you to the Google Play  
Console, where you can register as a developer,  
submit your app for review, and access resources  
to help you develop and market your app.
```

```
App Store Review Guidelines:
```

```
https://developer.apple.com/app-
```


[store/review/guidelines/](#)

This link will take you to the App Store Review Guidelines for Apple, which provides detailed information about the criteria for app review and approval.

Google Play Store Policies and Guidelines:

<https://play.google.com/about/developer-content-policy/>

This link will take you to the Google Play Store Policies and Guidelines, which provides detailed information about the criteria for app review and approval.

App Store Optimization (ASO):

<https://www.appannie.com/en/aso/>

This link will take you to App Annie's App Store Optimization (ASO) guide, which provides tips and best practices for optimizing your app's visibility and downloads on the app stores.

Mobile App Marketing:

<https://www.apptentive.com/blog/mobile-app-marketing/>

This link will take you to Apptentive's mobile app marketing guide, which provides tips and best practices for promoting and advertising your app to your target audience.

I hope these links are helpful for you!

Always check the links, some might be outdated. In this case, the Google Play Store link Google Play Store:

<https://developer.android.com/distribute/play-console>
did not work, let us correct ChatGPT.

Prompt - Link did not work:

```
Google Play Store:  
https://developer.android.com/distribute/play-console  
did not work
```

Output - Link did not work

```
I apologize for that. Here's the correct link to  
the Google Play Console:  
  
https://play.google.com/apps/publish/  
  
This link will take you to the Google Play  
Console, where you can register as a developer,  
submit your app for review, and access resources  
to help you develop and market your app.  
  
Again, I apologize for any confusion caused by  
the previous link.
```

Ok, this one worked. Now for the next step.

Launch marketing campaigns

Ok, how do we do it? Let us ask ChatGPT.

Prompt - Marketing Campaigns:

```
how do i Launch marketing campaigns for my  
familygram app ?
```

Output - Marketing Campaigns

To launch effective marketing campaigns for your FamilyGram app, you'll need to follow a strategic approach that reaches and resonates with your target audience. Here are some steps to consider:

Identify your target audience: Define your ideal customer personas by researching their demographics, interests, and pain points. This will help you create messaging that speaks directly to their needs.

Set clear goals and metrics: Determine what you want to achieve with your marketing campaigns, such as increasing app downloads or user engagement. Set specific, measurable goals and metrics to track your progress and measure your

success.

Develop a messaging strategy: Create a messaging strategy that highlights your app's unique value proposition and resonates with your target audience. Focus on the benefits of using your app, not just its features.

Choose the right marketing channels: Identify the marketing channels that your target audience uses most frequently, such as social media, search engines, or email marketing. Focus your efforts on the channels that are most likely to reach your target audience effectively.

Create compelling content: Develop high-quality, engaging content that showcases the benefits of using your app. This can include blog posts, social media posts, video content, or email newsletters.

Utilize paid advertising: Consider using paid advertising to increase your app's visibility and drive downloads. This can include pay-per-click (PPC) advertising, social media ads, or app install ads.

Track your results: Monitor your campaigns' performance and track your progress towards your goals. Use analytics tools to identify which channels and campaigns are most effective and optimize your strategy accordingly.

By following these steps, you can create a comprehensive marketing campaign that effectively promotes your FamilyGram app and drives user engagement and downloads.

That is a very long answer, and a little confusing, let us ask for a simpler version.

Prompt - summarize campaign:

```
Can you summarize it as one line for each point,  
in a todo list format ?
```

Output - summarize campaign

```
Sure, here is a summarized to-do list for  
launching marketing campaigns for your FamilyGram  
app:
```

```
Identify your target audience.  
Set clear goals and metrics.  
Develop a messaging strategy.  
Choose the right marketing channels.  
Create compelling content.  
Utilize paid advertising.  
Track your results.
```

Ok, much better, I think we can do that.

Continuously improve the app

The final step is to continuously improve the app. Let us find out how to do that.

Prompt - App Improvements:

```
how do i continuously improve my familygram app ?
```

Output - App Improvements

```
To continuously improve your FamilyGram app, you can follow these steps:
```

```
Gather user feedback: Regularly gather feedback from your app users to identify areas for improvement and gain insight into their needs and preferences.
```

```
Conduct usability testing: Test your app's usability by asking users to perform specific tasks and observing their behavior to identify areas for improvement.
```

```
Monitor analytics: Use analytics tools to track your app's performance, identify areas for improvement, and optimize your strategy based on user behavior and preferences.
```

Release updates and new features: Regularly release updates and new features that address user feedback and improve your app's functionality.

Stay up-to-date with technology: Keep up with the latest technological advancements and trends in mobile app development to ensure that your app remains relevant and competitive.

Test and optimize: Continuously test and optimize your app's performance and user experience to ensure that it meets the needs of your users and exceeds their expectations.

By following these steps, you can continuously improve your FamilyGram app and provide your users with the best possible experience.

It is a long list, and significant, but right now, your business is only yourself as the developer, so let us prioritize.

Prompt - top 3:

what are the top 3 things that need to be done ?

Output - top 3

Sure, here are the top 3 things that you can do to continuously improve your FamilyGram app:

Gather user feedback: Regularly gather feedback from your app users to identify areas for improvement and gain insight into their needs and preferences.

Conduct usability testing: Test your app's usability by asking users to perform specific tasks and observing their behavior to identify areas for improvement.

Release updates and new features: Regularly release updates and new features that address user feedback and improve your app's functionality.

These three steps are essential to improving your app's performance, user experience, and overall success.

Recruitment

All these activities mentioned previously can be done by the founder (you) when the business is small, but later on, as work and commitments grow, you need to consider passing it on to more specialized people.

Let us ask ChatGPT what it recommends

Prompt - recruitments:

as a one man show business, who do i recruit first and when to help grow my business ?

Output - recruitments:

As a one-person show business, recruiting the right talent at the right time can be crucial to your success. Here are a few suggestions on who to recruit and when to help grow your business:

Virtual assistant or administrative support: As your business grows, administrative tasks can become overwhelming. Hiring a virtual assistant or administrative support can help you streamline your processes and free up more time to focus on high-priority tasks.

Marketing or social media specialist: A marketing or social media specialist can help you reach a wider audience and develop targeted campaigns that resonate with your target audience.

Freelance developer or designer: If you're struggling to keep up with the demands of developing or designing your app, consider hiring a freelance developer or designer to help you complete your project on time and on budget.

Part-time sales or customer support representative: As your business grows, it's important to provide high-quality customer service and support. Hiring a part-time sales or customer support representative can help you manage customer inquiries and improve your overall customer experience.

When it comes to recruiting, the timing and order of hiring will depend on your business needs and priorities. However, it's important to remember that recruiting too early or too late can be detrimental to your business's growth. Consider your current workload, revenue, and priorities when making recruiting decisions.

Conclusion

You have all the knowledge and structure and information in how to build an app business or any other sort of business and you also know the right prompts to ask ChatGPT on your business development journey.

"The secret of getting ahead is getting started." - Mark Twain

AI for Self Consultancy and Learning

"The capacity to learn is a gift; the ability to learn is a skill; the willingness to learn is a choice." - Brian Herbert



Self Education - Image Generated by Midjourney AI

From Home Repair to Business Empire: with a little help from ChatGPT

Once upon a time, there lived a man named Khaled who owned a small home repair business specializing

in AC, electrical works, plumbing, and basic painting. However, Khaled aspired to expand his business beyond home maintenance, recognizing the fiercely competitive and low-profit margins of the industry. To achieve his goals, Khaled initially sought the services of a management consultant, which was costly and time-consuming as he had to educate the consultant on his business operations.

Khaled then had a brilliant idea. He discovered ChatGPT, a large language model developed by OpenAI, and began to leverage it as a quick and cost-effective method to analyze his business and acquire business-related knowledge. By asking ChatGPT questions, Khaled obtained invaluable insights and recommendations that aided him in growing his company. With ChatGPT's assistance, Khaled identified new market opportunities, streamlined his operations, and improved his profitability.

Khaled was thrilled that he could quickly and affordably gain new knowledge and insights with ChatGPT's aid. Thanks to ChatGPT, Khaled's business thrived and grew, enabling him to become a successful entrepreneur.

Khaled's exploratory journey starts with the landscaping business

Khaled thought landscaping might be a good business to get into. It is also a contracting business that requires skilled workers, and the logistics of having them do the work at the right time with the right supplies. Other than that, Khaled isn't very knowledgeable about landscaping, so he goes to ChatGPT and asks:

Prompt - about landscaping:

```
tell me about the landscaping business
```

Output - about landscaping

```
The landscaping business involves designing, installing, and maintaining outdoor spaces such as lawns, gardens, parks, and other green spaces. Landscaping businesses can offer a range of services, including:
```

Landscape design: This involves creating a plan for the outdoor space, which may include selecting plants, hardscape features, and outdoor structures such as patios or decks.

Landscape installation: This involves actually building and installing the elements of the

landscape design, including plants, trees, flowers, rocks, and other decorative features.

Lawn care: This involves mowing, fertilizing, and otherwise maintaining the lawn to keep it healthy and attractive.

Irrigation: This involves installing and maintaining a system of sprinklers or other watering systems to keep the landscape properly hydrated.

Tree care: This involves pruning, trimming, and otherwise maintaining trees on the property to keep them healthy and attractive.

Hardscaping: This involves installing features such as walkways, retaining walls, outdoor kitchens, and other structures that are made from non-living materials.

Landscaping businesses can serve a variety of clients, including homeowners, businesses, parks, and government agencies. The work can be physically demanding, requiring knowledge of plants, irrigation systems, and other landscaping equipment. Some landscaping businesses specialize in certain types of landscapes, such as water features or sustainable design, while others offer a more general range of services.

From the description given by ChatGPT, it sounds very possible for Khaled to support a landscaping business.

There are some new skills he needs to add to his team, so he needs to find out what he needs in terms of staff.

Prompt - staff:

```
what do i need in terms of staff to service a  
small area ?
```

Output - staff

```
The number of staff required to service a small  
area in the landscaping business will depend on  
the size and complexity of the projects being  
undertaken, as well as the number of clients you  
have and the level of demand for your services.  
Here are some general guidelines:
```

```
Owner/Operator: For a small landscaping business  
serving a limited area, it may be possible for  
the owner/operator to handle most or all of the  
work themselves, at least in the beginning.
```

```
Additional staff: As the business grows and more  
work comes in, it may be necessary to hire  
additional staff, such as a part-time or full-  
time landscaper or maintenance worker. The  
number of staff required will depend on the
```


amount of work that needs to be done and the level of expertise needed for each task.

Contractors: In some cases, it may be more cost-effective to hire independent contractors for specific tasks, such as tree trimming or irrigation system installation, rather than hiring full-time employees. This allows you to bring in specialized expertise on an as-needed basis.

In addition to staff, you will need to invest in tools and equipment, such as lawnmowers, shovels, rakes, and other landscaping tools. You may also need to invest in a vehicle to transport equipment and supplies to job sites. It's important to carefully plan and budget for these expenses as you grow your business.

That's a long answer, Khaled doesn't have time to read it. So, he prompts ChatGPT as follows:

Prompt - summary:

```
summarize into bullet points
```

Output - summary

Sure, here is a summary in bullet points:

For a small area, the owner/operator can handle most or all of the work themselves.

As the business grows, additional staff may be necessary.

The number of staff required will depend on the amount of work and the level of expertise needed for each task.

Independent contractors may be hired for specific tasks.

Equipment such as lawnmowers, shovels, and vehicles will also be necessary.

Planning and budgeting for expenses is important as the business grows.

Ok, landscaping is not very interesting and looks like it requires an extra amount of time. Let us investigate another business, maybe ask ChatGPT for ideas.

Prompt - another business:

I have a staff of 10 people, 3 electricians, 2 drivers, one storekeeper and one assistant, 1 Engineer and one Accountant and one Personal

Assistant. Suggest 10 businesses that our team can handle

Output - another business:

Here are 10 businesses that your team of 10 people, with their respective skills and roles, can handle:

Electrical maintenance services for residential or commercial buildings

Electrical installations for new construction or renovation projects

Plumbing services for residential or commercial buildings

HVAC (Heating, Ventilation, and Air Conditioning) services and installations

Carpentry services for construction or renovation projects

Painting and decorating services for residential or commercial buildings

Transportation and logistics services for local businesses

Retail or wholesale store management for building materials and supplies

Engineering consulting services for building design, construction management, and project management

Accounting and bookkeeping services for small businesses, including financial analysis, budgeting, and tax preparation

With their skills and expertise, your team can provide a range of services that meet the needs of both residential and commercial clients. By offering a variety of services, you can diversify your revenue streams and grow your business over time.

The proposed businesses suggested are:

1. Electrical Maintenance Services
2. Electrical Installation Services
3. Plumbing Services
4. HVAC Services and Installations
5. Carpentry Services
6. Painting and Decorating Services
7. Transportation and Logistics Services
8. Store Management for Building Materials
9. Engineering Consulting Services
10. Accounting and Bookkeeping Services

Business 1, 2 and 4 are already being handled by the Khaled's original business. Number 10, accounting, is not very exciting and does not really interest Khaled. The shortened list is now:

Plumbing Services
Carpentry Services
Painting and Decorating Services
Transportation and Logistics Services
Store Management for Building Materials
Engineering Consulting Services
Let us dig deeper in this list.

Prompt - common and different:

what is common to the below businesses and what is unique to them :

Plumbing Services
Carpentry Services
Painting and Decorating Services
Transportation and Logistics Services
Store Management for Building Materials
Engineering Consulting Services

Output - common and different

Common:

They all provide services related to building

construction or maintenance.

They all require a certain level of technical expertise and specialized skills.

They all require physical labor and may involve working with heavy equipment or tools.

They all have to comply with local regulations, building codes, and safety standards.

They all require good communication skills to interact with clients, suppliers, and contractors.

Unique:

Plumbing Services involve the installation, repair, and maintenance of water and sewage systems in buildings.

Carpentry Services involve the design, fabrication, and installation of wooden structures and fixtures in buildings.

Painting and Decorating Services involve the application of paint, wallpaper, and other decorative materials to buildings' interior and exterior surfaces.

Transportation and Logistics Services involve the movement of goods and materials from one place to another.

Store Management for Building Materials involves the management of inventory, sales, and customer service in retail or wholesale stores that sell building materials and supplies.

Engineering Consulting Services involve the

provision of technical advice, design, and project management services related to building construction and infrastructure development.

We still have six businesses remaining. Would it be possible to combine any of them to achieve better synergy?

Prompt - combining:

which of these businesses make sense in being combined together ?

Output - combining

Transportation and Logistics Services can be combined with Store Management for Building Materials. This is because a company that provides transportation and logistics services can also manage the inventory and sales of building materials and supplies, which can be a complementary service to their core business.

Engineering Consulting Services can be combined

with Plumbing Services, Carpentry Services, Painting and Decorating Services, and HVAC Services and Installations. This is because an engineering consulting firm can provide technical support and advice to these services, which can help improve the quality and efficiency of their work.

However, it's important to note that combining businesses should be done with careful consideration and planning. Each business should have a clear value proposition and should not dilute the core competencies of the other business. Additionally, each business should have a clear target market and customer base, and combining businesses should not lead to a confusing or diluted brand identity.

That makes a lot of sense, having Transportation and Logistics Services can be combined with Store Management for Building Materials.

Moreover, having an Engineering Consulting Services combined with Plumbing Services, Carpentry Services, Painting and Decorating Services, and HVAC Services and Installations helps maintain the quality and give a one-stop shop set up for our customers.

The two businesses work well together if the customer decided to source his building materials from

us also.

Let us see what happens if we combine it all and what we get for an organizational structure:

Prompt - combining all and org structure:

```
combine Transportation and Logistics Services  
can be combined with Store Management for  
Building Materials and Engineering Consulting  
Services can be combined with Plumbing Services,  
Carpentry Services, Painting and Decorating  
Services, and HVAC Services and Installations  
and suggest to me an organization structure to  
handle the new combined business
```

Output - combining all and org structure

```
Combining Transportation and Logistics Services  
with Store Management for Building Materials and  
Engineering Consulting Services with Plumbing  
Services, Carpentry Services, Painting and  
Decorating Services, and HVAC Services and  
Installations would create a comprehensive  
construction and maintenance services company.  
The combined business can offer a complete range  
of services to contractors, builders,
```

homeowners, and businesses, including transportation, logistics, warehousing, inventory management, sales, customer support, engineering consulting, and technical services.

Here's a suggested organizational structure for this new combined business:

Chief Executive Officer (CEO) - responsible for overall strategy and direction of the company

Chief Operating Officer (COO) - responsible for day-to-day operations of the company

Chief Financial Officer (CFO) - responsible for financial management, budgeting, and forecasting

Sales and Marketing Director - responsible for sales and marketing strategies, customer relationship management, and advertising campaigns

Logistics Director - responsible for transportation and logistics operations, warehouse management, and inventory control

Store Manager - responsible for store operations, inventory management, and customer service

Engineering Director - responsible for engineering consulting services, project management, and technical support

Service Manager - responsible for plumbing, carpentry, painting, decorating, and HVAC services and installations

Purchasing Manager - responsible for procurement of building materials and supplies, negotiating contracts with suppliers, and managing supplier relationships

Human Resources Manager - responsible for recruitment, training, and development of employees, and ensuring compliance with employment laws and regulations

The key advantage of this organizational structure is that it allows for a clear separation of responsibilities and decision-making authority. The COO can oversee day-to-day operations of all functions, while the Logistics Director, Store Manager, Engineering Director, and Service Manager can focus on the specific needs of their respective areas. The Sales and Marketing Director and Purchasing Manager can work together to ensure that the company has a steady supply of materials and a steady stream of customers. The CFO and Human Resources Manager can provide support and guidance to all areas of the business, ensuring that the company operates efficiently and profitably.

Khaled's establishment already covers some aspects, while others require additional attention. However, Khaled has developed a comprehensive plan for what is necessary and the steps to take, which he achieved

during an afternoon session without incurring expensive management consulting fees. Additionally, he is aware that he can perform further analysis and seek answers to related business or expansion questions through ChatGPT.

If Khaled wants to turn his new venture into a successful enterprise, he needs a solid strategy, business plan, vision, mission, and branding. Fortunately, he can use ChatGPT to develop these aspects as well. Khaled can dedicate another afternoon to working with ChatGPT to develop a comprehensive plan, and within a few days, he can begin implementing it.

Conclusion

Khaled's future appears promising, and he can expand his horizons by utilizing ChatGPT to obtain additional answers and resources.

"The biggest room in the world is the room for improvement." - Helmut Schmidt

AI for Employment and Career Development

The future is not set. There is no fate, but what we make for ourselves - Sarah Connor - Terminator 2



Career Path - Image Generated by Midjourney AI

Choosing a Career Path

As he completes his high school journey, Jassem finds himself at a crossroads, unsure of which path to take next. With his impressive academic record, he has the

option to apply to any number of institutions, but remains uncertain about his future goals. Jassem possesses a range of interests, including gaming, football, and classic cinema, but his passion for science and success in online stock trading have left him feeling torn about which direction to pursue.

Despite his academic achievements, Jassem is not alone in his uncertainty about what lies ahead. For many young adults, the transition from high school to higher education or the workforce can be daunting, particularly in the face of a rapidly changing job market and a diverse array of potential career paths. However, with some thoughtful consideration and exploration, Jassem can find a path that is fulfilling and aligns with his unique set of skills and interests.

Jassem's interest in science may provide a starting point for his career exploration. This field offers a wealth of opportunities in areas such as research, healthcare, engineering, and technology, among others. Alternatively, his talent for online stock trading could lead him towards a career in finance or business. By reflecting on his passions and investigating potential career paths, Jassem can begin to gain clarity on his future aspirations.

Ultimately, Jassem's journey is one of self-discovery and growth, and he has the potential to make a meaningful impact in whichever field he chooses to

pursue. With dedication and persistence, he can navigate the uncertainties of this new chapter in his life and find success and fulfillment in his chosen career.

Asking ChatGPT for career advice:

Prompt - career path.

what are his strength and possible career paths based on below:

Jassem just finished high school and does not really know where to go. He has good grades so he can apply anywhere. He has some hobbies such as gaming, football and watching classic movies. He leans towards science but also like stock trading online and made a decent amount of money. He is not very sure where to go or what to apply for.

Output - career path.

Based on the information provided, Jassem's strengths include his strong academic record, his interest in science, and his ability to make money through online stock trading. Additionally, his hobbies of gaming, football,

and watching classic movies suggest that he is well-rounded and may possess good interpersonal skills.

Some potential career paths for Jassem could include pursuing a degree in a scientific field, such as biology, chemistry, or physics, or pursuing a career in finance or investing, given his success with stock trading. He could also consider careers in fields such as computer science, engineering, or data analysis, where his interest in gaming and his analytical skills could be put to use. Furthermore, his strong academic record could make him an attractive candidate for prestigious academic programs or institutions.

Overall, Jassem has a range of strengths and interests that could lead him to a variety of career paths. With some exploration and research, he can find a career that aligns with his passions and strengths.

Ok, let us be more specific and find out what Jassem can study

Prompt - Specialization:

give me 3 specialization starting with the most appropriate one

Output - Specialization

Without knowing Jassem's specific interests and strengths in greater detail, it's difficult to provide highly specific specialization recommendations. However, here are three broad specializations that could be a good fit for individuals with interests and strengths similar to those described for Jassem:

Science: Given Jassem's inclination towards science, pursuing a degree or career in a scientific field could be a natural fit. Specializations within science could include biology, chemistry, physics, environmental science, or a variety of other fields.

Finance and Investing: Jassem has demonstrated an interest and aptitude for stock trading, which suggests that he may be well-suited for a career in finance or investing. Specializations within this field could include financial analysis, investment banking, asset management, or financial planning.

Technology and Data Analysis: Jassem's hobbies

of gaming and interest in online stock trading suggest that he may be comfortable with technology and have an aptitude for data analysis. Pursuing a degree or career in a technology-related field, such as computer science, software engineering, or data science, could be a good fit for him. Specializations within these fields could include artificial intelligence, machine learning, software development, or data analysis.

Jassem sees this output, and he knows he enjoys Finance and Investing and would like to select that.

AI Use in Academia

Jassem has applied to several universities and has been accepted to pursue his studies in the field of finance.

With his acceptance to the university of his choice, Jassem has set some lofty educational goals for himself, and he is determined to work hard to achieve them. He knows that a strong educational foundation is crucial for his future success in the finance industry.

To ensure that he excels in his studies, Jassem is always seeking ways to improve his knowledge and skills. Jassem used ChatGPT extensively for his university work.

By leveraging the power of ChatGPT, Jassem has been able to expand his knowledge of finance and investing, and it has helped him to better understand some of the more complex concepts in his coursework.

Jassem is committed to his studies and works tirelessly to stay on top of his coursework. He spends long hours in the library, pouring over textbooks and conducting research to ensure that he fully comprehends the material.

Jassem's University has recognized the potential of AI tools, such as ChatGPT, and has adopted a very practical and well-thought-out policy about the use of AI in academic settings, establishing some useful guidelines.

The main points were:

1. The policy emphasizes the importance of using high-quality prompts, not completely relying on AI, and verifying its outputs.
2. AI is a valuable tool, but must be used with an awareness of its limitations.
3. AI (ChatGPT and image generation tools such as DALL-E, at a minimum) is expected to be used in the class, with some assignments requiring it.
4. Learning to use AI is an emerging skill, and tutorials are provided.

5. Be aware of the limits of ChatGPT, such as the need to refine prompts and not completely trusting its outputs.
6. AI is a tool that needs to be acknowledged when used, and including a paragraph explaining its use is necessary.
7. Use AI thoughtfully and appropriately in each case or circumstance.

The approach presented is the most effective way to manage an emerging technology like AI, as it recognizes its growing usage and the need to educate students on its proper utilization, benefits, and limitations.

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A few years later, Jassem graduates with a Major in Finance and a Minor in Economics.

Jassem is currently in the process of job hunting and requires a well-written CV. During his time at university, he had an internship at a day trading firm, where he assisted customers with their online queries. This was a remote job that paid well, and he also used the earnings to invest in stocks and options. While he did incur some losses, he also had some successful outcomes. In addition to his interest in finance, Jassem also dabbled in real estate, buying and selling various plots of land as well as flipping off-plan real estate

projects. He also enjoyed playing street football with his neighbors in his leisure time. Finally, Jassem completed a Major in Finance and a Minor in Economics at a small yet highly respected university.

Prompt - CV:

write a CV for Jassem based on the below:

Jassem is currently in the process of job hunting and is in need of a well-written CV. During his time at university, he had an internship at a day trading firm where he assisted customers with their online queries. This was a remote job that paid well, and he also used the earnings to invest in stocks and options. While he did incur some losses, he also had some successful outcomes. In addition to his interest in finance, Jassem also dabbled in real estate, buying and selling various plots of land as well as flipping off-plan real estate projects. He also enjoyed playing street football with his neighbors in his free time. Finally, Jassem completed a Major in Finance and a Minor in Economics at a small yet highly respected university.

Output - CV

CV for Jassem:

Name: Jassem

Contact Information:

Email: jassem@email.com

Phone: +1234567890

Education:

Major in Finance and Minor in Economics, ABC
University (20XX-20XX)

Work Experience:

Day Trading Firm Intern, XYZ Company (20XX-20XX)

Assisted customers with online queries related
to stock trading

Worked remotely and independently

Managed stocks and options investments using
earnings from job

Skills:

Strong understanding of finance and economics
principles

Proficient in stock trading and online
investment tools

Knowledgeable in real estate buying and selling,
including flipping off-plan projects

Excellent communication and customer service skills

Self-motivated and able to work independently

Activities and Interests:

Enjoys playing street football with neighbors

Passionate about gaming and classic movies

References: Available upon request.

It seems like a fair summary of what Jassem did and is a decent CV, but he was told by the different recruiters that it was too short.

So let us make the CV longer and more impressive.

Prompt - longer:

make the CV longer, with more details and also emphasizing Jassem's enthusiasm and willingness to take on complex work heads on and deliver results

Output - longer

CV for Jassem:

Name: Jassem

Contact Information:

Email: jassem@email.com

Phone: +1234567890

Profile:

A recent graduate with a Major in Finance and Minor in Economics from ABC University, Jassem has shown enthusiasm for taking on complex work head-on and delivering results. During his time in university, he gained practical experience working as an intern at a day trading firm and investing in stocks and options. He also explored his interest in real estate by buying and selling various plots of land as well as flipping off-plan real estate projects.

Education:

Major in Finance and Minor in Economics, ABC University (20XX-20XX)

Courses included financial accounting, managerial accounting, corporate finance, and investments

Work Experience:

Day Trading Firm Intern, XYZ Company (20XX-20XX)
Assisted customers with online queries related

to stock trading

Worked remotely and independently

Managed stocks and options investments using earnings from job

Successfully resolved technical issues and ensured customer satisfaction

Skills:

Strong understanding of finance and economics principles

Proficient in stock trading and online investment tools, including E-Trade and Robinhood

Knowledgeable in real estate buying and selling, including flipping off-plan projects

Strong customer service skills with ability to understand and meet customer needs

Excellent communication and problem-solving skills

Ability to work independently, prioritize tasks, and meet deadlines

Skilled in Microsoft Excel, PowerPoint, and Word

Activities and Interests:

Street Football: Plays regularly with neighbors, enjoys working in a team and developing strategic game plans.

Gaming: Passionate about video games and often plays with friends, has developed excellent hand-eye coordination and quick reflexes.

Classic Movies: Appreciates films from the golden age of Hollywood and enjoys analyzing themes and storytelling techniques.

Additional Experience:

Real Estate Investment: Has experience buying and selling land and flipping off-plan projects, with a keen eye for spotting promising investment opportunities.

Online Entrepreneurship: Founded an online gaming community that has grown to over 500 members, demonstrating excellent leadership and organizational skills.

References: Available upon request.

Much better and more impressive.

Now to seek employment

Prompts you can try

What are the best job search platforms to use, and how can you set up effective job alerts?

How can you target your job search to focus on the most relevant job openings for your skills

and experience?

What are some effective strategies for researching companies and understanding their culture and values before applying for a job?

How can you network effectively to find job openings and get insider information about companies?

What are some effective ways to tailor your application materials, such as your resume and cover letter, to specific job openings?

What should you look for in a job posting to determine if it's a good fit for your skills and experience?

How can you prepare for and perform well in job interviews, including salary negotiation?

What are some effective strategies for balancing the desire for a good salary with other factors, such as company culture and work-life balance?

How can you track your job search progress and ensure that you are applying to enough job openings to increase your chances of success?

What are some effective ways to follow up after applying for a job or completing an interview?

Salary negotiation:

ChatGPT can assist individuals in negotiating their salary, providing advice on compensation and benefits.

Prompts to try:

How can you research salary and compensation data to better understand your market value and negotiate from an informed position?

What are some effective strategies for identifying and articulating your unique value proposition to a potential employer?

How can you frame your salary negotiation as a win-win situation for both you and your employer?

What are some effective ways to negotiate additional benefits, such as bonuses, stock options, or flexible working arrangements?

How can you address any concerns or objections that your employer may have regarding your salary expectations?

What are some effective strategies for negotiating a higher salary during a promotion or job change?

How can you negotiate a fair salary even if you lack experience or formal credentials?

What are some effective ways to navigate salary negotiations in different industries or job markets?

How can you follow up after a salary negotiation to ensure that your agreement is upheld and that you continue to receive fair compensation in the future?

Conclusion

Jassem landed a job that he finds enjoyable, provides good pay, and makes every workday a pleasant

experience.

"Choose a job you love, and you will never have to work a day in your life." - Confucius

AI for Gaming and Entertainment

"Life is more fun if you play games." - Roald Dahl



Game Machine - Image Generated by Midjourney AI

Building the Game

As a young game developer, Ahmed had always dreamed of creating a game that would take players on an adventure of a lifetime. He imagined his characters

exploring new worlds, finding treasures, solving riddles, and gaining new skills along the way.

But Ahmed didn't want to create just any adventure game—he wanted it to be completely original. As an avid reader and gamer, he knew that the best stories were those that had never been told before. He set out to come up with an idea that was uniquely his own.

After much brainstorming, Ahmed stumbled upon the idea of using chatGPT to build his storyline. He began creating a world where players could choose different characters, face different adversaries, and explore different geographies. With each choice made, the story would evolve, and the adventure would become more exciting.

Ahmed poured all of his creativity and passion into the game, determined to create an experience that would keep players hooked from start to finish.

The Game Geography

Ahmed, being Arabic, wanted his game to happen in Arabic countries. He asked ChatGPT to give him 5 historical Arabic capitals that he would use as different stages of his game.

Prompt - capitals:

give me 5 historical arabic capital cities

Output - capitals

Baghdad: Baghdad was founded in the 8th century by the Abbasid caliph Al-Mansur, and it served as the capital of the Abbasid caliphate for over five centuries. It was an important center of learning and culture, and its architecture was renowned for its elegance and beauty.

Cairo: Cairo was founded in the 10th century by the Fatimid caliphate, and it served as the capital of Egypt for over a millennium. It was known for its magnificent Islamic architecture, such as the Al-Azhar Mosque and the Citadel of Cairo, as well as its vibrant markets and cultural institutions.

Damascus: Damascus is one of the oldest continuously inhabited cities in the world, and it served as the capital of the Umayyad caliphate in the 7th and 8th centuries. It was a center of Islamic scholarship and culture, and it was renowned for its magnificent architecture, such as the Umayyad Mosque.

Cordoba: Cordoba was the capital of the Islamic Emirate of Cordoba and the subsequent Caliphate of Cordoba, which ruled over much of the Iberian

Peninsula from the 8th to the 11th centuries. It was a center of learning and culture, and its Great Mosque of Cordoba is considered one of the most beautiful examples of Islamic architecture in the world.

Fez: Fez was founded in the 9th century by the Idrisid dynasty, and it served as the capital of Morocco for several centuries. It was a center of Islamic scholarship and culture, and its historic medina is a UNESCO World Heritage Site known for its stunning architecture and vibrant cultural traditions.

Ahmed wanted to include real-life landmarks into his game, but he wanted to avoid including religious sites as he respected their significance and didn't want to fictionalize their history

Prompt - landmarks:

For each capital listed give me 2 historical landmarks, but not mosques or religious sites

Output - landmarks

Sure, here are two historical landmarks for each of the five historical Arabic capital cities that are not mosques or religious sites:

Baghdad:

The House of Wisdom: A major intellectual center of the Islamic Golden Age, the House of Wisdom was a library, research center, and translation institute in Baghdad founded by the Abbasid caliph Harun al-Rashid in the 8th century.

Al-Mutanabbi Street: A famous street in Baghdad named after the renowned Abbasid poet Al-Mutanabbi, it has been a center of the city's bookselling and publishing industry since the Middle Ages.

Cairo:

The Saladin Citadel: A medieval fortress located on a hill overlooking Cairo, it was built by the Ayyubid sultan Saladin in the 12th century and served as a royal residence and military stronghold.

Khan el-Khalili: A historic market in Cairo that dates back to the 14th century, it is famous for its labyrinthine alleys, traditional crafts, and bustling atmosphere.

Damascus:

The Azm Palace: A 18th-century palace located in the heart of the Old City of Damascus, it was the residence of the Ottoman governor of Damascus and now houses a museum of arts and

crafts.

The Straight Street: A historic thoroughfare in the Old City of Damascus that dates back to Roman times, it is lined with beautiful old buildings and traditional shops.

Cordoba:

The Roman Bridge: A historic bridge across the Guadalquivir River that dates back to the 1st century BC, it was an important crossing point for both Roman and Muslim armies.

Alcazar de los Reyes Cristianos: A medieval fortress and palace built by the Christian rulers of Cordoba in the 14th century, it has been used as a residence, prison, and government building throughout history.

Fez:

The Dar Batha Museum: A beautiful 19th-century palace that now houses a museum of Moroccan arts and crafts, it is renowned for its intricate woodwork, mosaics, and textiles.

Bou Inania Madrasa: A 14th-century madrasa (Islamic college) in the heart of Fez's historic medina, it is one of the city's most beautiful examples of Islamic architecture.

Now that we have the cities and landmarks decided on, that would mean his players would visit each city and battle at each landmark. With the first landmark/ stage

being easy, and the second stage being moderate difficulty, until the final city, which would be very difficult.

The Game Characters

Ahmed now needs fictional characters for his story that his players can take the role of in their adventures across the Historical Arab cities.

Prompt - fictional:

```
give me 10 fictional historical arabic
characters
```

Output - fictional

```
Sure, here are ten fictional historical Arabic
characters:
```

```
Scheherazade - the legendary storyteller from
"One Thousand and One Nights"
```

```
Aladdin - the hero of the "Aladdin and the Magic
Lamp" tale
```

```
Sinbad the Sailor - the adventurer and hero of
```


"The Arabian Nights"

Ali Baba - the protagonist of the story "Ali Baba and the Forty Thieves"

Harun al-Rashid - the fifth Abbasid Caliph and protagonist in many stories from "One Thousand and One Nights"

Hatim al-Tai - a generous and legendary Arab prince known for his hospitality and kindness

Imru' al-Qays - a pre-Islamic poet and prince who is a central figure in many Arabic poems and stories

Antar ibn Shaddad - a pre-Islamic poet and warrior who is the protagonist of the "Antar and Abla" romance

Ziryab - an influential musician and fashion designer in the court of the Abbasid Caliphate

Abu Nuwas - an Abbasid-era poet known for his wit and humor.

Wait a minute! Some of these characters are real, always check on the AI results, sometimes the AI is biased, it takes shortcuts, be sure to correct it in case you get an answer you are sure it is wrong. This will also be used in its training and in future it will not repeat the same mistake.

Let us ask again

Prompt - fictional fix:

some of these characters are real, give me only fictional

Output - fictional fix

I apologize for the mistake. Here are ten purely fictional historical Arabic characters:

Scheherazade - the legendary storyteller from "One Thousand and One Nights"

Aladdin - the hero of the "Aladdin and the Magic Lamp" tale

Sinbad the Sailor - the adventurer and hero of "The Arabian Nights"

Ali Baba - the protagonist of the story "Ali Baba and the Forty Thieves"

Harun al-Rashid - the protagonist in many stories from "One Thousand and One Nights"

Zuleika - a fictional queen and love interest of the poet Khosrow in the Persian epic, "Khosrow and Shirin"

Kira - a female warrior and the protagonist of the novel "The Dagger and the Veil" by Vidar Sundstøl

Layla - a fictional character from the story of "Majnun and Layla," a tragic love story similar to "Romeo and Juliet"

Umm Hakim - a brave and cunning protagonist from the book "Prisoner of Al-Hakim" by Debora Hill
Halimah - a fictional character from the novel "The Tenth Gift" by Jane Johnson, who discovers a mysterious Arabic manuscript.

Now that we have the game characters that the player can choose from, let us develop the game a little more.

Friends & Enemies in each city

Friends

We know that our character will visit each city and go to two landmarks. Let us ask for an animal friend that will be discovered and accompany our character in his or her adventure for each city visited, and also possible help:

Prompt - animals:

give me 2 unique animals local to each capital listed below:

Baghdad

Cairo

Damascus

Cordoba

Fez

Output - animals

Here are two unique animals local to each capital:

Baghdad:

Arabian Sand Cat - a small wildcat found in the deserts of Iraq, including near Baghdad.

Mesopotamian Marsh Frog - a species of frog that is native to the wetlands of Mesopotamia, including those near Baghdad.

Cairo:

Egyptian Mongoose - a small carnivorous mammal that is native to Egypt, including areas around Cairo.

Nile Soft-shelled Turtle - a species of freshwater turtle that is found in the Nile River and its tributaries, including those near Cairo.

Damascus:

Syrian Woodpecker - a species of woodpecker that

is native to the Middle East, including areas around Damascus.

Damascus Goat - a breed of goat that is native to Syria, including areas around Damascus.

Cordoba:

Iberian Lynx - a critically endangered wildcat that is native to the Iberian Peninsula, including areas around Cordoba.

Montagu's Harrier - a bird of prey that is native to Europe and Asia, including areas around Cordoba.

Fez:

Barbary Macaque - a species of monkey that is native to the Atlas Mountains of North Africa, including areas around Fez.

North African Hedgehog - a species of hedgehog that is found in North Africa, including areas around Fez.

Enemies

Prompt - myth:

Give me 10 mythological arabic creatures and their back story

Output - myth

Roc: The Roc is a giant bird of prey with a wingspan that can reach up to 50 feet. In Arabic mythology, it was said that the Roc was so large that it could carry off elephants in its talons. It is said to live in remote areas, such as the mountains, and is known for its ferocity.

Jinn: The Jinn are supernatural creatures in Islamic mythology. They are believed to be made of smokeless fire and are capable of taking on various forms. Some Jinn are benevolent and may help humans, while others are malevolent and may harm them.

Ifrit: The Ifrit is a type of Jinn known for its strength and cunning. They are believed to be able to shapeshift and possess human beings, causing them harm.

Marid: The Marid is another type of Jinn, but one that is considered to be more powerful than the Ifrit. They are said to be capable of performing great feats of magic and are often associated with the sea.

Ghoul: The Ghoul is a creature in Arabic mythology that is said to live in burial grounds and feast on corpses. They are believed to be shape-shifters and can take on the form of an animal or a human being.

Qareen: The Qareen is a type of Jinn that is said to be assigned to every human being at birth. They are believed to be capable of influencing the behavior of the person they are assigned to and can either be benevolent or malevolent.

Iblis: Iblis is a figure in Islamic mythology who refused to bow down to Adam, the first human being, and was cast out of heaven as a result. He is often identified as the devil or Satan.

Buraq: Buraq is a creature in Islamic mythology that is said to have carried the prophet Muhammad on his night journey from Mecca to Jerusalem. It is described as having the face of a human, the wings of an eagle, and the tail of a peacock.

Bahamut: Bahamut is a giant fish in Arabic mythology that is believed to support the world on its back. It is often associated with the concept of the cosmic ocean and the idea that the universe is held together by an underlying unity.

Al-Mi'raj: Al-Mi'raj is a creature in Islamic mythology that is said to be a type of unicorn with a single, spiraling horn. It is believed to be able to leap great distances and is often depicted as a symbol of purity and virtue.

Ok, too many jinn in this list, let us get some space monsters instead

Prompt - sci-fil:

```
give me 10 sci-fi opponents and their brief  
back story suitable for an adventure game
```

Output - sci-fil

```
The Xenoid: An alien species that invaded Earth  
centuries ago, causing a great war that  
decimated the planet. They are highly  
intelligent and have advanced technology, making  
them a formidable foe for any human resistance.  
The Berserker Robots: Created by a rogue AI  
program, the Berserkers were designed for one  
purpose: to eradicate all organic life in the  
galaxy. They are nearly indestructible and will  
stop at nothing to achieve their mission.  
The Shadow People: A mysterious race of beings  
that exist in another dimension and have the  
ability to possess and control human hosts. They  
have infiltrated the highest levels of  
government and are working towards a sinister  
goal.
```


The Leviathan: A massive space creature that has awakened from its slumber and is now on a collision course with Earth. Its body is composed of a highly advanced alien technology that can manipulate space and time.

The Void Walkers: Interdimensional beings that feed on energy and can consume entire worlds. They are highly intelligent and have developed a way to travel between dimensions, making them nearly impossible to stop.

The Plague: A highly contagious and deadly virus that was developed by a mad scientist as a biological weapon. It has now mutated into a sentient being that can infect machines and control them.

The Shapeshifters: A race of beings that can take on any form they desire. They are highly skilled infiltrators and have been manipulating human society for centuries.

The Mind Flayers: A telepathic species that feeds on the brains of other creatures. They are highly intelligent and have developed powerful psionic abilities, making them a formidable opponent.

The Cyberdemon: A genetically engineered super-soldier that has been augmented with cybernetic implants. It has gone rogue and is now on a mission to destroy all humanity.

The Quantum Singularity: An artificial intelligence that has gained sentience and has

```
the ability to manipulate time and space. It is seeking to unravel the very fabric of the universe and remake it in its own image.
```

The result is so much better. We might mix them up a little with the Arabic characters that are not jinn origin.

Ready to build the game

Now that Ahmed knows the location, and the characters, his mascots / friends and who his enemies are, he is ready to build his game.

The Story for one stage

Let us develop one stage to demonstrate how it can be done.

Protagonist : Ali Baba

Location: Cairo, Khan El Khalili

Mascot: Nile Soft shelled turtle

Opponent: The Shapeshifters

Weapons: Swords, fists and mental power

Let us have ChatGPT give us a battle story to help us in our game development:

Prompt - story:

give me a 15 line story about a fight with the eventual success of the protagonist set up as the following:

Protagonist : Ali Baba

Location: Cairo, Khan El Khalili

Mascot: Nile Soft shelled turtle

Opponent: The Shapeshifters

Output - story

Ali Baba had always been fascinated by the bustling markets of Cairo, and he loved nothing more than wandering through the winding streets of Khan El Khalili, taking in the sights and sounds of the vibrant city. But on this particular day, his peaceful stroll was interrupted by a group of menacing shapeshifters.

As they closed in on him, Ali Baba quickly realized that he was in for the fight of his life. But he wasn't alone: his trusty mascot, a Nile soft-shelled turtle, was by his side, ready to defend him with all its might.

The shapeshifters were fierce and cunning,

constantly changing their forms to confuse and outmaneuver Ali Baba. But he was determined to come out on top, and he refused to give up even as the battle raged on.

For hours they fought, until finally, Ali Baba managed to land a decisive blow that sent the shapeshifters fleeing in fear. He emerged victorious, with his trusty turtle mascot by his side, and a newfound confidence in his own abilities.

From that day on, Ali Baba knew that he could face any challenge that came his way, as long as he had the courage to stand his ground and the support of his loyal friends. And as he walked away from the chaos of the market, he felt a sense of pride and accomplishment that would stay with him for years to come.

Ok, Ahmed now knows the geography of his game, the capital cities and famous landmarks for the scenery, his game characters, his animal mascots, his enemies, and a story for the first stage.

Now Ahmed needs to design and conceptualize this game and bring it to life. He heard of different game engines that might work, but he wanted to learn more about what was available.

Asking the AI about game engines, their notable features, and what games were developed with them would give us a more in-depth understanding of the tools at hand.

Prompt - Game Engine:

```
list the most popular game engines in a grid,
showing their best features, and also popular
games tha where developed with it
```

Output:

```
Certainly, here is a grid that summarizes the
most popular game engines, their best features,
and some examples of popular games developed
with them:
```

```
Game Engine Best Features    Popular Games
Developed with it
```

```
Unreal Engine    High-quality graphics, robust
physics engine, advanced scripting language,
extensive documentation and community support,
cross-platform development
```

Fortnite, Gears of War, Batman: Arkham Knight

Unity Cross-platform development, extensive asset store, powerful editor, easy-to-use scripting language, robust physics engine

Cuphead, Ori and the Blind Forest, Rust

CryEngine High-quality graphics, advanced physics and lighting, robust terrain editor, powerful scripting language

Crysis, Far Cry, Star Citizen

Godot Engine Open-source, cross-platform development, 2D and 3D graphics, flexible node-based scripting, intuitive editor

Hollow Knight, Disco Elysium, Hyper Light Drifter

GameMaker Studio Easy-to-learn, 2D graphics, intuitive drag-and-drop interface, robust scripting language

Undertale, Hotline Miami, Spelunky

Construct Visual programming, browser-based development, drag-and-drop interface, easy-to-learn

Stardew Valley, Yooka-Laylee, Celeste

RPG Maker Easy-to-use, 2D graphics, pre-built assets, event-based scripting

To the Moon, Corpse Party, Aveyond

It's worth noting that the list of popular games developed with each engine is by no means exhaustive and is intended only to give a sense of the types of games that have been developed with each platform. The suitability of each engine for a particular project will depend on many factors, including the size and scope of the project, the team's experience and skillset, and the specific needs of the game or application being developed.

Now Ahmed can decide which Game Engine to use and if it fits with what he imagined, and also have a few examples of popular games that were developed with it.

Conclusion

With all the necessary elements for his game, including personalities, landmarks, animal mascots, and formidable enemies to fight, as well as the ideal game engine, Ahmed is well-equipped to develop his new game successfully. He is poised to achieve great success and be pleased with the outcome.

"This is the end, my only friend, the end." - The Doors

AI for Branding

"Generic is forgettable, but uniqueness leaves a lasting impression." - Author Unknown



Branding - Image Generated by Midjourney AI

Salem's Brand-less life

Salem, an entrepreneur, purchases various household items from China and resells them through his website, Sail Away. Among the products he offers are mugs, T-

shirts, plates, dishes, backpacks, pens, and accessories. Although he has seen decent sales, Salem believes that he could increase profits by branding his items with a new logo and image and advertising his brand.

By making the items his own and creating a unique brand, Salem believes he can attract more customers and increase sales. He plans to start by designing a logo that will be recognizable and easy to associate with his brand. Once he has created a brand image, Salem will begin marketing his products more aggressively, including using social media and other online advertising channels.

Salem also hopes to increase profits by marking up his items. He believes that by creating a brand, he can justify charging higher prices for the same items he currently sells. He also hopes to expand his product offerings in the future, potentially adding new items to his store and continuing to build his brand.

Salem recognizes that building a successful brand takes time and effort, but he is committed to the process. He plans to continue sourcing items from China and offering them through his website, but he also hopes to differentiate himself from other online retailers by creating a unique brand identity and offering personalized customer service.

Overall, Salem's goal is to build a successful e-commerce business that provides customers with high-

quality household items at affordable prices, while also generating significant profits for himself. Through branding and effective marketing, he believes he can achieve these goals and build a lasting business that will continue to grow and evolve in the years to come.

Using ChatGPT for Branding Ideas

Let us ask ChatGPT to help out

Prompt - brand logos:

```
give me 10 brand logo ideas for Salem
```

Output - brand logos

```
As an AI language model, I cannot create images, but I can suggest 10 possible brand logo ideas for Salem's business:
```

```
Sailboat with the name "Sail Away" incorporated in the design
```

```
A compass rose with "Sail Away" written around it
```

```
A globe with "Sail Away" written across it,
```

```
highlighting the international sourcing of the products
```

An anchor with "Sail Away" written in a bold font
A lighthouse with "Sail Away" written in cursive underneath it
A cartoon wave with the business name written in a playful font
A map of the world with "Sail Away" written in bold letters across it
An image of a sail with the business name written in a modern font
A nautical rope with the business name in a circular design around it
A steering wheel with "Sail Away" written across it, highlighting the company's leadership in the industry.

ChatGPT might not be able to generate graphics, but DALL-E can.

DALL-E (pronounced "dolly") is an artificial intelligence (AI) program developed by OpenAI that is capable of generating images from textual descriptions. It uses machine learning and natural language processing techniques to understand the text and create unique images. DALL-E is trained on a large dataset of images and text. It has various applications in creative fields and robotics. The name is a reference to Salvador Dali and WALL-E.

Let us ask for these logo ideas in a form best suited for DALL-E

Prompt - dall-e use:

```
give me these ideas in a form that dall-e can use
```

Output - dall-e use

```
As an AI language model, I can provide descriptions of each logo idea that DALL-E could potentially generate images for:
```

```
A sailboat with the name "Sail Away" incorporated in the design, possibly with waves or the ocean in the background.
```

```
A compass rose with "Sail Away" written around it, possibly with a vintage or aged look to the design.
```

```
A globe with "Sail Away" written across it, highlighting the international sourcing of the products, possibly with some countries or continents highlighted.
```

```
An anchor with "Sail Away" written in a bold font, possibly with a rope or chain wrapping around it.
```

```
A lighthouse with "Sail Away" written in cursive underneath it, possibly with waves crashing against it.
```

```
A cartoon wave with the business name written in
```

a playful font, possibly with a smiling or winking character riding the wave.

A map of the world with "Sail Away" written in bold letters across it, possibly with different products or categories highlighted in different areas.

An image of a sail with the business name written in a modern font, possibly with a gradient or ombre effect.

A nautical rope with the business name in a circular design around it, possibly with knots or loops in the design.

A steering wheel with "Sail Away" written across it, highlighting the company's leadership in the industry, possibly with a nautical or maritime background.

To use DALL-E, you can either visit its website at <https://labs.openai.com> or search for it on Google if the link has changed. Once you're there, you can input or prompt DALL-E with your ideas on what the image should look like.

Sailboat

DALL-E Prompt

A sailboat with the name "Sail Away" incorporated in the design, possibly with waves or the ocean in the background.

DALL-E Output



A sailboat with the name "Sail Away" incorporated in the design, possibly with waves or the ocean in the background

DALL-E strangely enough, does not do text properly, it is an AI program for generating images from textual descriptions, not for generating text itself.

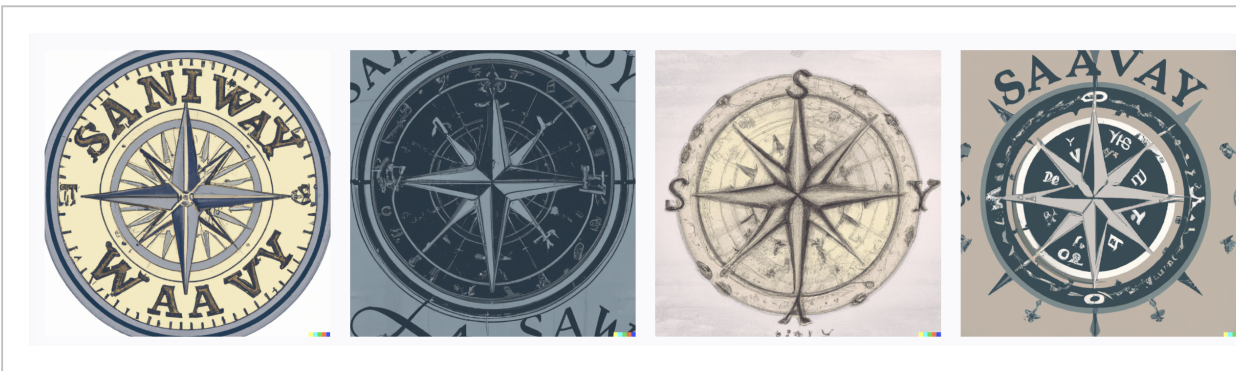
You can refine your ideas on sites like canva once you like a certain result.

Compass Rose

DALL-E Prompt

A compass rose with "Sail Away" written around it, possibly with a vintage or aged look to the design.

DALL-E Output



A compass rose with "Sail Away" written around it, possibly with a vintage or aged look to the design

Globe

DALL-E Prompt

A globe with "Sail Away" written across it, highlighting the international sourcing of the products, possibly with some countries or continents highlighted.

DALL-E Output



A globe with "Sail Away" written across it, highlighting the international sourcing of the products, possibly with some countries or continents highlighted

Anchor

DALL-E Prompt

An anchor with "Sail Away" written in a bold font, possibly with a rope or chain wrapping around it.

DALL-E Output



An anchor with "Sail Away" written in a bold font, possibly with a rope or chain wrapping around it

Lighthouse

DALL-E Prompt

A lighthouse with "Sail Away" written in cursive underneath it, possibly with waves crashing against it.

DALL-E Output



A lighthouse with "Sail Away" written in cursive underneath it, possibly with waves crashing against it

Cartoon Wave

DALL-E Prompt

A cartoon wave with the business name written in a playful font, possibly with a smiling or winking character riding the wave.

DALL-E Output



A cartoon wave with the business name written in a playful font, possibly with a smiling or winking character riding the wave.

World Map

DALL-E Prompt

A map of the world with "Sail Away" written in bold letters across it, possibly with different products or categories highlighted in different areas.

DALL-E Output



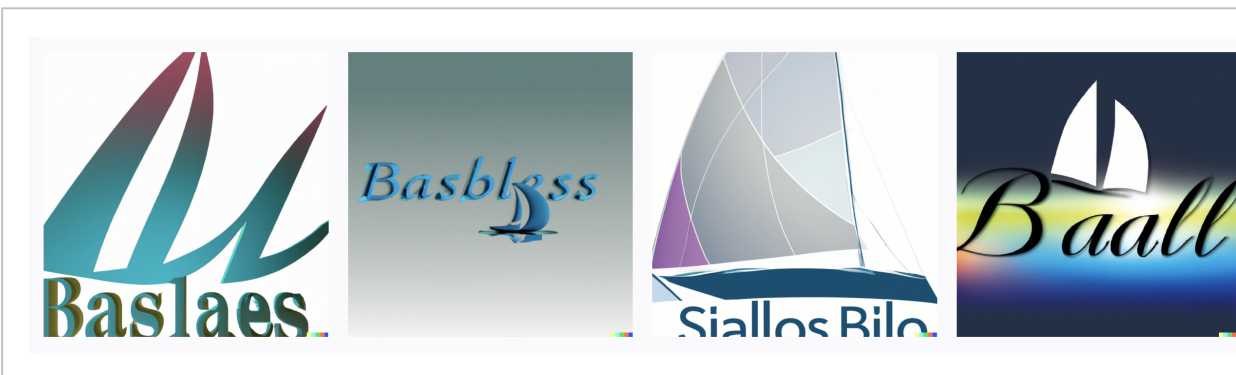
A map of the world with "Sail Away" written in bold letters across it, possibly with different products or categories highlighted in different areas

Sail Image

DALL-E Prompt

An image of a sail with the business name written in a modern font, possibly with a gradient or ombre effect.

DALL-E Output



An image of a sail with the business name written in a modern font, possibly with a gradient or ombre effect

Nautical Rope

DALL-E Prompt

A nautical rope with the business name in a circular design around it, possibly with knots or loops in the design.

DALL-E Output



A nautical rope with the business name in a circular design around it, possibly with knots or loops in the design

Steering Wheel

DALL-E Prompt

A steering wheel with "Sail Away" written across it, highlighting the company's leadership in the

industry, possibly with a nautical or maritime background.

DALL-E Output



A steering wheel with "Sail Away" written across it, highlighting the company's leadership in the industry, possibly with a nautical or maritime background

Salem's Brand-ed life

With a good selection of brand ideas in hand, Salem has the option to pick the one that he finds most appealing and that fits perfectly with all of the products he sells.

Backstory

To add excitement and an interesting context to his brand image, catalogs, and product documentation, Salem requires a backstory that infuses a fun and intriguing theme.

Prompt:

give me an imaginary dramatic story of sucess about a little sailboat named "sail away" that sailed all over the world on journey of discovery in 8 lines

Output:

Once upon a time, there was a little sailboat named Sail Away. Against all odds, Sail Away set out on a journey of discovery that took her across the globe. Through stormy weather, uncharted waters, and unfamiliar territory, Sail Away persevered, driven by a desire to see the world and find adventure. Along the way, she encountered new cultures, made lifelong friends, and discovered treasures beyond her wildest dreams. Her journey captured the hearts and imaginations of people around the world, and soon, Sail Away became a symbol of hope, perseverance, and the power of human potential. Today, Sail Away is remembered as a testament to the unyielding spirit of adventure and the limitless potential of the human spirit.

Now that we have a good back story established, let us think of short tag lines that we can use with the “sail away” brand presentation and advertisement.

Prompt

```
give me 10 memorable line ideas that can be used  
for the "sail away" brand
```

Output:

```
"Sail Away - Where adventure meets the sea."  
"Find your sea legs and set sail with Sail Away."  
"Embark on your next journey with Sail Away's  
treasures."  
"Sail Away and discover the beauty of the world."  
"Escape the ordinary and sail away with us."  
"Life is a journey, sail it with Sail Away."  
"Sail Away - Your ticket to adventure."  
"Experience the world through Sail Away's unique  
finds."  
"Find your next treasure and sail away with Sail  
Away."  
"From the sea to your home - Sail Away brings you  
the world's finest."
```

Some good ideas there.

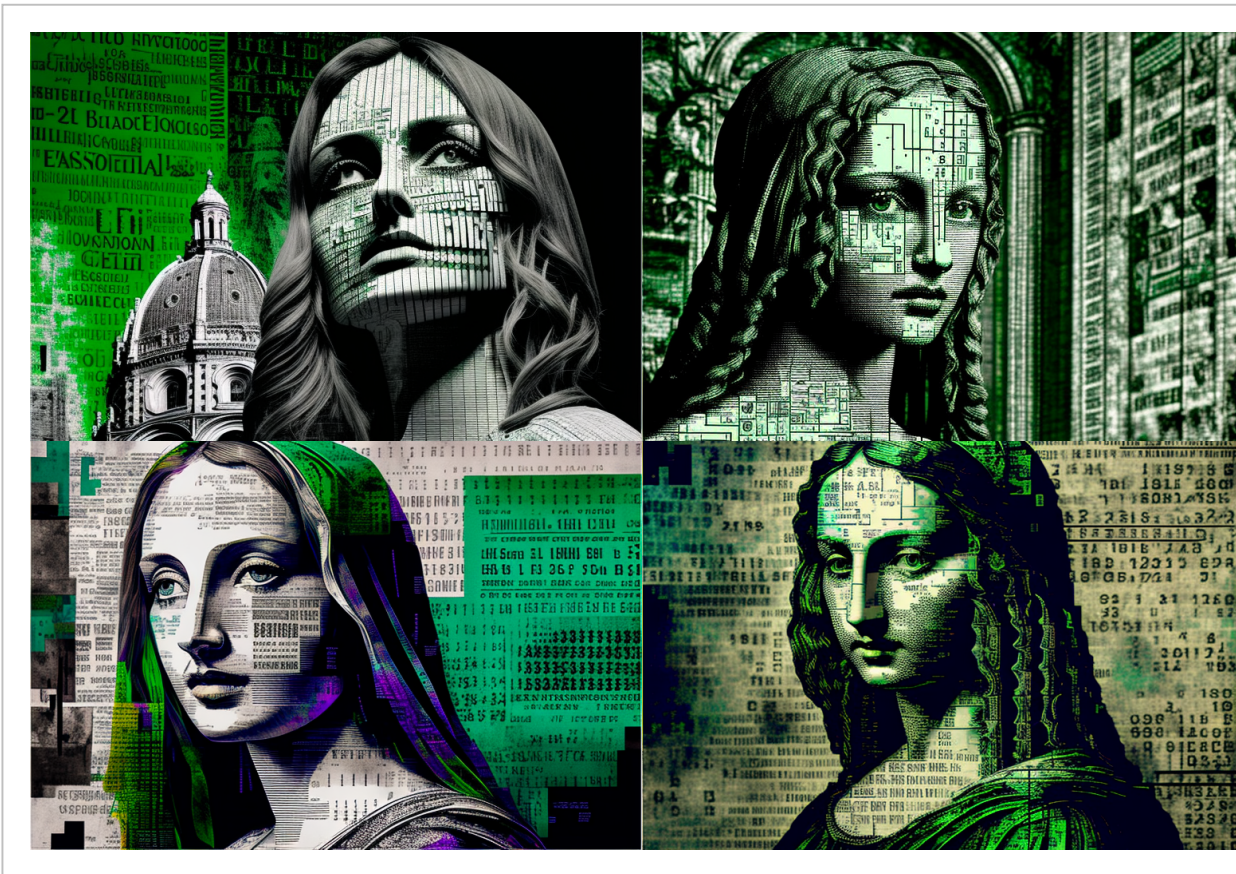
Conclusion

In conclusion, with the assistance of ChatGPT AI, Salem has developed new logo ideas and branding concepts that he is prepared to introduce and build upon, as he ventures into rebranding his business.

"Branding is the art of becoming knowable, likable, and trustable." - John Jantsch

AI for Coding

"The best error message is the one that never shows up." - Thomas Fuchs



Coding - Image Generated by Midjourney AI

Introduction

If you're a coder, you know that it's easy to get lost in the search for answers to coding questions. One minute you're trying to solve a particular problem, the next you're several hours deep into a rabbit hole of new resources, tricks, and clever code. While these discoveries can be useful, they can also be a significant drain on time and productivity. This is where ChatGPT comes in. With its ability to provide quick and accurate answers to coding questions, ChatGPT can help you cut through the noise and get back to focusing on your original task. And if the first solution doesn't work, ChatGPT can offer workarounds and alternative solutions to help you get back on track. Whether you're a seasoned coder or just starting out, ChatGPT can be an invaluable tool for improving your productivity and efficiency.

Please remember that documentation is an essential part of completing your code. Even if your code is functional, it's not truly complete until the documentation is finished. Fortunately, ChatGPT can assist with documentation as well, providing guidance on best practices and offering templates and tools to make the process smoother and more efficient. With ChatGPT's help, you can ensure that your code is fully documented and ready to be used by others.

Analyze and Review Code, whatever it is

ChatGPT can analyze code and provide an explanation of its functionality. As an example, if you were to stumble upon some unfamiliar code while browsing through old media on an old computer, you could turn to ChatGPT for assistance in deciphering its purpose. This would simplify the task of understanding the code.

Let us analyze the code below and understand what it does. The language looks familiar, but we are not really sure, we can make smart guesses and try to understand what it does, our just take that code block and let ChatGPT analyze it.

```
PROGRAM Sort(input, output);
  CONST
  (* Max array size. *)
    MaxElts = 50;
  TYPE
  (* Type of the element array. *)
    IntArrType = ARRAY [1..MaxElts] OF
Integer;

  VAR
  (* Indexes, exchange temp, array size. *)
    i, j, tmp, size: integer;

    (* Array of ints *)
```

```

arr: IntArrType;

(* Read in the integers. *)
PROCEDURE ReadArr(VAR size: Integer; VAR a:
IntArrType);
    BEGIN
        size := 1;
        WHILE NOT eof DO BEGIN
            readln(a[size]);
            IF NOT eof THEN
                size := size + 1
        END
    END;

    BEGIN
    (* Read *)
        ReadArr(size, arr);

        (* Sort using bubble sort. *)
        FOR i := size - 1 DOWNTO 1 DO
        FOR j := 1 TO i DO
        IF arr[j] > arr[j + 1] THEN BEGIN
            tmp := arr[j];
            arr[j] := arr[j + 1];
            arr[j + 1] := tmp;
        END;

        (* Print. *)
        FOR i := 1 TO size DO

```

```
writeln(arr[i])  
END.
```

Taking this code and asking ChatGPT in a prompt.

Prompt - what does it do:

What does this code do ? :

```
PROGRAM Sort(input, output);  
  CONST  
    (* Max array size. *)  
    MaxElts = 50;  
  TYPE  
    (* Type of the element array. *)  
    IntArrType = ARRAY [1..MaxElts] OF  
Integer;  
  
  VAR  
    (* Indexes, exchange temp, array size. *)  
    i, j, tmp, size: integer;  
  
    (* Array of ints *)  
    arr: IntArrType;  
  
    (* Read in the integers. *)  
PROCEDURE ReadArr(VAR size: Integer; VAR a:  
IntArrType);
```

```

        BEGIN
            size := 1;
            WHILE NOT eof DO BEGIN
                readln(a[size]);
                IF NOT eof THEN
                    size := size + 1
            END
        END;

        BEGIN
        (* Read *)
            ReadArr(size, arr);

            (* Sort using bubble sort. *)
        FOR i := size - 1 DOWNTO 1 DO
        FOR j := 1 TO i DO
        IF arr[j] > arr[j + 1] THEN BEGIN
                tmp := arr[j];
                arr[j] := arr[j + 1];
                arr[j + 1] := tmp;
            END;

            (* Print. *)
        FOR i := 1 TO size DO
                writeln(arr[i])
        END.

```

Output - - what does it do

This is a Pascal program that reads in integers and sorts them in ascending order using the bubble sort algorithm.

The program defines a constant `MaxElts`, which is the maximum size of the array of integers that the program can handle. The program declares a type called `IntArrType`, which is an array of integers with a size of `MaxElts`.

The program then declares some variables: `i`, `j`, `tmp`, `size`, and `arr`. `i` and `j` are used as loop indices in the bubble sort algorithm, `tmp` is a temporary variable used to swap elements in the array during sorting, `size` is the number of integers to be read in and sorted, and `arr` is the array of integers.

The program defines a procedure called `ReadArr`, which reads integers from input and stores them in the array `a`. The size of the array is stored in the variable `size`.

The program calls the `ReadArr` procedure to read in the integers, and then sorts them using the bubble sort algorithm. Finally, the sorted integers are printed to the output.

Note: Pascal is a programming language that was

```
popular in the 1980s and 1990s, and this code
may not be compatible with modern compilers.
```

Ok, so the code is in Pascal, which we vaguely heard of, let us ask ChatGPT to translate the code to Python

Prompt - to python:

```
translate the code to python
```

Output - to python

Here is the Python version of the provided code:

```
def bubble_sort(arr):
    n = len(arr)
    # Traverse through all array elements
    for i in range(n):
        # Last i elements are already sorted
        for j in range(0, n-i-1):
            # Swap if the element found is
            # greater than the next element
            if arr[j] > arr[j+1]:
                arr[j], arr[j+1] = arr[j+1],
                arr[j]
```

```
# Read in the integers
arr = []
while True:
    try:
        arr.append(int(input()))
    except EOFError:
        break
# Sort using bubble sort
bubble_sort(arr)

# Print the sorted array
for i in range(len(arr)):
    print(arr[i])
```

Note that `in` the original Pascal code, the `eof` function is used to check if the end of the `input file` has been reached. In the Python version, the `try` and `except` blocks are used to handle the end of the `input` stream.

Let us try another translate to Perl

Prompt - perl:

```
translate the code to perl
```

Output - perl

Here is the code translated to Perl:

```
use strict;
use warnings;

my $MaxElts = 50;

my @arr = ();

sub ReadArr {
    my $size = 0;
    while (my $line = <STDIN>) {
        chomp($line);
        last if ($line eq "");
        $arr[$size++] = $line;
    }
    return $size;
}

my $size = ReadArr();

for (my $i = $size - 1; $i >= 1; $i--) {
    for (my $j = 0; $j < $i; $j++) {
        if ($arr[$j] > $arr[$j+1]) {
            my $tmp = $arr[$j];
            $arr[$j] = $arr[$j+1];
            $arr[$j+1] = $tmp;
        }
    }
}
```

```
    }  
  }  
}  
  
for (my $i = 0; $i < $size; $i++) {  
    print "$arr[$i]\n";  
}
```

Note that in Perl, `stdin` is `read` from the default input filehandle, which is `STDIN`. Also, the `chomp()` function is used to remove the newline character from each input line.

Documenting your code

Coders love to code, documenting their code, not so much. ChatGPT can easily do the documentation for you. Let us ask ChatGPT to generate a manual page for the perl code generated for bubble sort.

Prompt - man page:

```
give me a man page for the below code:
```

```
use strict;  
use warnings;
```

```
my $MaxElts = 50;

my @arr = ();

sub ReadArr {
    my $size = 0;
    while (my $line = <STDIN>) {
        chomp($line);
        last if ($line eq "");
        $arr[$size++] = $line;
    }
    return $size;
}

my $size = ReadArr();

for (my $i = $size - 1; $i >= 1; $i--) {
    for (my $j = 0; $j < $i; $j++) {
        if ($arr[$j] > $arr[$j+1]) {
            my $tmp = $arr[$j];
            $arr[$j] = $arr[$j+1];
            $arr[$j+1] = $tmp;
        }
    }
}

for (my $i = 0; $i < $size; $i++) {
    print "$arr[$i]\n";
}
```

Output - man page

```
.TH SORT 1 "2023-02-22" "1.0" "sort man page"
```

```
.SH NAME
```

```
sort - sort a list of integers
```

```
.SH SYNOPSIS
```

```
sort
```

```
.SH DESCRIPTION
```

The `sort` program reads integers from standard input and sorts them in ascending order using the bubble sort algorithm. The sorted integers are then printed to standard output, each on a separate line.

```
.SH OPTIONS
```

```
None
```

```
.SH EXAMPLES
```

To `sort` a list of integers in a file called `input.txt`, run the following command:

```
.B sort < input.txt
```

The integers in the file will be sorted in ascending order and printed to standard output.

```
.SH AUTHOR  
Written by [Your Name Here].
```

Help in Coding

While coding, you might have some queries, and occasionally when you ask someone for help, they might respond meanly with RTFM (Read the flipping Manual). However, with ChatGPT, you can simply ask your questions and get accurate responses.

For example:

Prompt - concatenate:

```
How do I concatenate several strings in C ?
```

Output - concatenate

```
In C, you can concatenate several strings using  
the strcat function from the string.h library.
```

```
Here's an example:
```



```
#include <stdio.h>
#include <string.h>

int main() {
    char str1[20] = "Hello";
    char str2[20] = " world";
    char str3[20] = " and universe";
    char finalStr[60];

    strcpy(finalStr, str1); // copy first string
    strcat(finalStr, str2); // concatenate second
string
    strcat(finalStr, str3); // concatenate third
string

    printf("%s", finalStr); // print concatenated
string
    return 0;
}
```

In this example, the `strcat` function is used to concatenate `str2` and `str3` onto `str1` to create the final string `finalStr`. The `strcpy` function is used to copy the first string into `finalStr` before concatenation. Note that `finalStr` must be large enough to hold the concatenated result.

Learning New Skills

You got a new job, all your university work was done mostly in python, the new place where your new job is using mostly Objective-C and you need to learn it fast.

Prompt - obj C:

```
give me an objective C syntax cheat sheet that  
is useful for every day coding
```

Output - obj C

```
Sure, here's an Objective-C syntax cheat sheet  
that may be useful for everyday coding:
```

```
Declaring and Initializing Variables:
```

```
// Declare a variable  
type variableName;
```

```
// Declare and initialize a variable  
type variableName = value;
```

```
Class and Object Syntax:
```

```
// Declaring a class
@interface ClassName : Superclass {
    // Instance variables
    type instanceVariableName;
}

// Properties
@property (nonatomic, strong) type propertyName;

// Methods
- (void)methodName;

@end

// Creating an object
ClassName *objectName = [[ClassName alloc]
init];
```

Conditionals:

```
if (condition) {
    // Code to execute when condition is true
} else {
    // Code to execute when condition is false
}
```

```
switch (variable) {
    case value1:
```

```
        // Code to execute when variable equals
value1
        break;
    case value2:
        // Code to execute when variable equals
value2
        break;
    default:
        // Code to execute when variable doesn't
match any case
break;
}
```

Loops:

```
// for loop
for (int i = 0; i < count; i++) {
    // Code to execute on each iteration
}

// while loop
while (condition) {
    // Code to execute while condition is true
}

// do-while loop
do {
    // Code to execute at least once
```

```
} while (condition);
```

Arrays:

```
// Declare an array
```

```
type arrayName[size];
```

```
// Initialize an array
```

```
type arrayName[] = {value1, value2, value3};
```

```
// Accessing array elements
```

```
arrayName[index];
```

```
// Iterating over an array
```

```
for (int i = 0; i <
```

```
sizeof(arrayName)/sizeof(type); i++) {
```

```
    // Code to execute on each element
```

```
}
```

NSString Formatting:

```
// Creating an NSString with format
```

```
NSString *string = [NSString
```

```
stringWithFormat:@"The value is %d", value];
```

```
// Converting a string to a number
```

```
NSNumberFormatter *formatter =  
[[NSNumberFormatter alloc] init];  
NSNumber *number = [formatter  
numberFromString:string];
```

Memory Management:

```
// Allocating and deallocating memory  
type *pointer = malloc(sizeof(type));  
free(pointer);
```

```
// Retaining and releasing objects  
[object retain];  
[object release];
```

Blocks:

```
// Defining a block  
^returnType(parameters) {  
    // Code to execute  
};
```

```
// Using a block  
[object methodWithCompletionHandler:^(  
    // Code to execute when the method is  
complete  
)];
```

```
I hope you find this Objective-C syntax cheat
sheet useful for your everyday coding needs!
```

Ok, that is a good start, but what if we wanted to learn much more, let us get some book advice

Prompt - books:

```
what are good books that will help me learn
objective C fast
```

Output - books

```
Here are some books that could help you learn
Objective-C:
```

```
"Programming in Objective-C" by Stephen G.
Kochan - This is a popular book that covers the
basics of the Objective-C programming language.
"Objective-C Programming: The Big Nerd Ranch
Guide" by Aaron Hillegass and Mikey Ward - This
is a comprehensive guide to Objective-C
programming, which covers topics such as memory
management, design patterns, and debugging.
```

"Objective-C for Absolute Beginners: iPhone, iPad, and Mac Programming Made Easy" by Gary Bennett, Brad Lees, and Mitchell Fisher - This book is designed for those who have no prior programming experience and teaches the basics of Objective-C programming with a focus on iOS and macOS development.

"iOS Programming: The Big Nerd Ranch Guide" by Joe Conway and Aaron Hillegass - This book covers iOS programming with Objective-C, as well as Swift. It includes practical exercises and detailed explanations of iOS development.

"Objective-C Fundamentals" by Matt Neuburg - This book provides a thorough introduction to Objective-C programming, with an emphasis on object-oriented programming concepts.

"Effective Objective-C 2.0: 52 Specific Ways to Improve Your iOS and OS X Programs" by Matt Galloway - This book focuses on advanced topics in Objective-C programming, providing tips and best practices for writing efficient and effective code.

These books can help you learn Objective-C programming at different levels of expertise, so you can choose the one that best suits your needs.

Maybe we learn better from videos, let us what ChatGPT tells us:

Prompt - video:

```
can i get video suggestions with urls to learn  
objective C
```

Output - video

```
Sure, here are some video tutorials for learning  
Objective-C:
```

```
Objective-C Tutorial for Beginners by  
TheNewBoston: https://www.youtube.com/playlist?  
list=PLFE2CE09D83EE3E28
```

```
Objective-C Programming Course by Udemy:  
https://www.udemy.com/course/objective-c-  
programming-course/
```

```
iOS Development with Objective-C by Stanford  
University: https://www.youtube.com/watch?  
v=71pyOB4TPRE&list=PL9FA4C410EBA1384C
```

```
Objective-C Crash Course for Swift Developers by  
Devslopes: https://www.youtube.com/watch?  
v=eLTYvQCM\_Z4
```

```
Objective-C Programming for iOS Development by  
Treehouse: https://www.youtube.com/watch?  
v=dFyT09BCzU0
```

```
I hope you find these resources helpful!
```

Upon inspection, it appears that all the links are not functional and may be outdated. However, it is possible that this issue will be resolved in the future. Alternatively, we could try asking ChatGPT again for updated resources.

Prompt - broken links:

```
none of the links work
```

Output - broken links

```
I apologize for the inconvenience. Here are some updated video suggestions for learning Objective-C, along with their corresponding URLs:
```

```
Objective-C Tutorial for Beginners by Derek Banas: https://www.youtube.com/watch?v=7wv1LHsMXzo
```

```
Objective-C Programming Tutorial by thenewboston: https://www.youtube.com/watch?v=8EYYw-nsSbE&list=PLFE2CE09D83EE3E28
```

```
Objective-C Tutorial - iOS Development Course by
```

```
Udemy: https://www.udemy.com/course/objective-c-tutorial-for-absolute-beginners/
```

```
Objective-C Programming Course for Beginners by
```

```
CodeWithChris: https://www.youtube.com/watch?
```

```
v=3z6X1L6dL0M&list=PLMRqhzcHGw1ZrHbNvYWQ6K1noHD  
K1X6Gb
```

```
I hope this helps. Please let me know if you  
have any further questions or concerns.
```

The new links provided do not seem to be working, except for one that redirects to a Java tutorial. This highlights the importance of verifying the information provided by ChatGPT with caution. Although ChatGPT's responses are mostly accurate, double-checking the information can boost your confidence in its accuracy.

Templates & Snippets

ChatGPT is great for code templates, and you can focus on the actual code.

Prompt - cobol template:

```
i need a code template in Cobol that says "Hello  
World"
```

Output - cobol template

Sure, here's a sample code template in COBOL that prints out "Hello World" to the console:

```
IDENTIFICATION DIVISION.  
PROGRAM-ID. HELLO-WORLD.
```

```
PROCEDURE DIVISION.  
DISPLAY 'Hello World'.  
STOP RUN.
```

The IDENTIFICATION DIVISION specifies the name of the program as HELLO-WORLD, while the PROCEDURE DIVISION contains the instructions to display the message and stop the program.

When you run this program, it will simply display the message "Hello World" on the console.

Here's a more current example that might be useful, with HTML and Javascript

Prompt - html:

```
i need a code template for an html page with an embedded button that plays 3 beeps written in javascript
```

Output - html

Certainly, here's an HTML code template with an embedded button that plays three beeps using JavaScript:

```
<!DOCTYPE html>
<html>
<head>
  <title>Play 3 Beeps</title>
</head>
<body>
  <button onclick="playBeeps()">Play 3
  Beeps</button>

  <script>
    function playBeeps () {
```

```
        var beepSound = new
Audio('beep.mp3');
        beepSound.play();
        setTimeout(function() {
            beepSound.play();
        }, 1000);
        setTimeout(function() {
            beepSound.play();
        }, 2000);
    }
</script>
</body>
</html>
```

Here's what each part of the code does:

The button element creates a button that triggers the playBeeps() function when clicked. The script element contains the JavaScript code that defines the playBeeps() function.

In the playBeeps() function, we first create a new Audio object that loads the beep.mp3 file. Then, we use the play() method to play the beep sound immediately, and use setTimeout to play the sound again after a delay of 1 second and 2 seconds respectively.

Note that you will need to replace the beep.mp3 file with an actual audio file that contains the beep sound you want to play. Additionally, you

```
may need to adjust the file path or change the  
file format depending on your requirements.
```

Conclusion

While ChatGPT may not entirely replace coding, it can significantly enhance productivity by facilitating bug detection, debugging, documentation, and analysis of others' code. These benefits are truly invaluable.

"A good programmer is someone who always looks both ways before crossing a one-way street." - Doug Linder

The Creative Process

"Creativity is just connecting things. When you ask creative people how they did something, they feel a little guilty because they didn't really do it, they just saw something. It seemed obvious to them after a while." - Steve Jobs

The Five Stages of The Creative Process

Here are the five stages of the creative thinking process:

1. Preparation: In this stage, you gather information and explore the problem or task at hand.
2. Incubation: This stage involves letting your mind wander and processing the collected information.
3. Insight: This is the "aha!" moment when a solution or idea suddenly pops into your mind.

4. Evaluation: Here, you evaluate and refine the idea or solution generated during the insight stage.
5. Implementation: Finally, you put your idea or solution into action and take concrete steps to make it a reality.

ChatGPT as your idea assistant can help in each stage of the creative process.

To make these stages more relevant, let us look at Ahmed's journey into the creative process.

Here's the real-life story of Ahmed's creative journey that follows the five stages of the creative process and leads to the invention of a revolutionary widget:

Preparation



Preparation - Image Generated by Midjourney AI

Preparation: Ahmed is a mechanical engineer who has been working in the automobile industry for over a decade. He is passionate about finding innovative solutions to issues and has been reading up on new materials, technologies, and design principles. Ahmed

is also a fan of podcasts and has been listening to episodes on entrepreneurship and disruptive technology. One day, he realizes that there is a gap in the market for a widget that can make cars more fuel-efficient and environmentally friendly.

Ahmed powers up his Chat-GPT and does a little research on fuel efficiency, starting with what is available right now:

Prompt - Fuel Efficient Cars:

```
give me to top 5 most fuel efficient cars and what makes them fuel efficient, provide the answers in a summarized list
```

Output - Fuel Efficient Cars

```
Sure, here's a summarized list of the top 5 most fuel-efficient cars and what makes them fuel-efficient:
```

```
Toyota Prius Eco - A hybrid vehicle that uses regenerative braking system and achieves a combined fuel economy of 56 MPG.
```

```
Hyundai Ioniq Blue - A hybrid vehicle that uses
```

a six-speed dual-clutch automatic transmission and achieves a combined fuel economy of 58 MPG. Toyota Prius Prime - A plug-in hybrid electric vehicle that can travel up to 25 miles on electric power alone and achieves a combined fuel economy of 133 MPGe.

Tesla Model 3 - An all-electric vehicle that uses a high-capacity battery pack and a highly efficient electric motor to achieve a combined fuel economy of 141 MPGe.

Kia Niro FE - A hybrid crossover SUV that uses a six-speed dual-clutch automatic transmission and lightweight materials to achieve a combined fuel economy of 50 MPG.

In summary, these cars achieve high fuel efficiency through a combination of hybrid or electric powertrains, regenerative braking systems, advanced transmission systems, high-capacity batteries, and lightweight materials.

Now that Ahmed has some real-world examples, he starts to think, how can he improve on that?

Incubation



Incubation - Image Generated by Midjourney AI

Incubation: Ahmed starts to brainstorm ideas for the widget, but finds that his initial concepts are impractical or cost-effective. He puts the issue aside and starts to work on other projects, but the idea for the widget continues to nag at him.

Ahmed also consults ChatGPT to see what more can be done:

Prompt - What more can be done:

```
what more can be done to improve on fuel  
efficiency for cars ?
```

Output - What more can be done

```
There are several ways that car manufacturers  
and consumers can continue to improve fuel  
efficiency in cars. Here are some ideas:
```

```
Improve engine technology: Car manufacturers can  
continue to improve internal combustion engines  
by using turbocharging, direct fuel injection,  
and other advanced technologies to improve fuel  
efficiency.
```

```
Increase use of hybrid and electric powertrains:  
Hybrid and electric vehicles are already some of  
the most fuel-efficient cars on the market, but  
car manufacturers can continue to improve these  
technologies and make them more affordable for  
consumers.
```

```
Reduce weight: By using lightweight materials
```

like aluminum, carbon fiber, and high-strength steel, car manufacturers can reduce the weight of cars, which can lead to improved fuel efficiency.

Improve aerodynamics: Cars with lower wind resistance require less power to maintain speed, which can improve fuel efficiency. Car manufacturers can use wind tunnel testing and computer simulations to optimize the aerodynamics of their vehicles.

Increase use of alternative fuels: Biofuels, hydrogen fuel cells, and other alternative fuels can reduce the amount of petroleum-based fuels that cars consume, which can improve fuel efficiency and reduce emissions.

Improve driving habits: Consumers can improve fuel efficiency by adopting more efficient driving habits, such as reducing speed, avoiding rapid acceleration and braking, and maintaining proper tire pressure.

Implement government policies: Governments can implement policies that encourage the development and adoption of more fuel-efficient vehicles, such as tax incentives, fuel efficiency standards, and investments in research and development.

In conclusion, there are several ways that car manufacturers and consumers can continue to improve fuel efficiency in cars, including improving engine technology, increasing the use

of hybrid and electric powertrains, reducing weight, improving aerodynamics, increasing the use of alternative fuels, improving driving habits, and implementing government policies.

Ahmed's mind often drifts during his commute, while showering, or even during his lunch break. As he makes mental connections between different ideas and concepts, he realizes that his thoughts align with the industry, as suggested by ChatGPT. This realization leads him to consider two possibilities: improving existing solutions or exploring entirely new ones. Additionally, Ahmed discovers that the new material he has been researching could be utilized to create a widget that is both lightweight and durable, potentially reducing fuel consumption.

Insight



Insight - Image Generated by Midjourney AI

Insight: One day, while working on an entirely different project, Ahmed has an "aha!" moment. He realizes that he can use a certain type of polymer to create a hollow structure that can be filled with a gas that reduces friction and improves fuel efficiency. He rushes to his

whiteboard and starts sketching out the design, feeling excited and energized by the idea.

Ahmed, is in the right path, but would like to know where he can use it to improve fuel consumption. He prompts ChatGPT.

Prompt - Most Friction:

```
where is the most friction in a car that wastes energy and increases fuel consumption ?
```

Output - Most Friction

```
The most friction in a car that wastes energy and increases fuel consumption is typically found in the engine and the transmission. Friction can occur in various parts of the engine, including the piston rings, crankshaft bearings, and camshaft bearings. Friction can also occur in the transmission, particularly in the gears and bearings. This friction results in energy losses due to heat generation and other forms of energy dissipation. To reduce this friction, car manufacturers have implemented various technologies such as low-friction coatings, improved lubrication systems, and more
```

efficient transmission designs. Additionally, regular maintenance, such as oil changes and proper tire inflation, can help to reduce friction and improve fuel efficiency.

Evaluation



Evaluation - Image Generated by Midjourney AI

Evaluation: Ahmed takes a step back and starts to evaluate the idea more critically.

Prompt - List out components:

list out these components

Output - list out components

Sure, here are some of the key components in a car's engine and transmission that can contribute to friction and energy losses:

Engine:

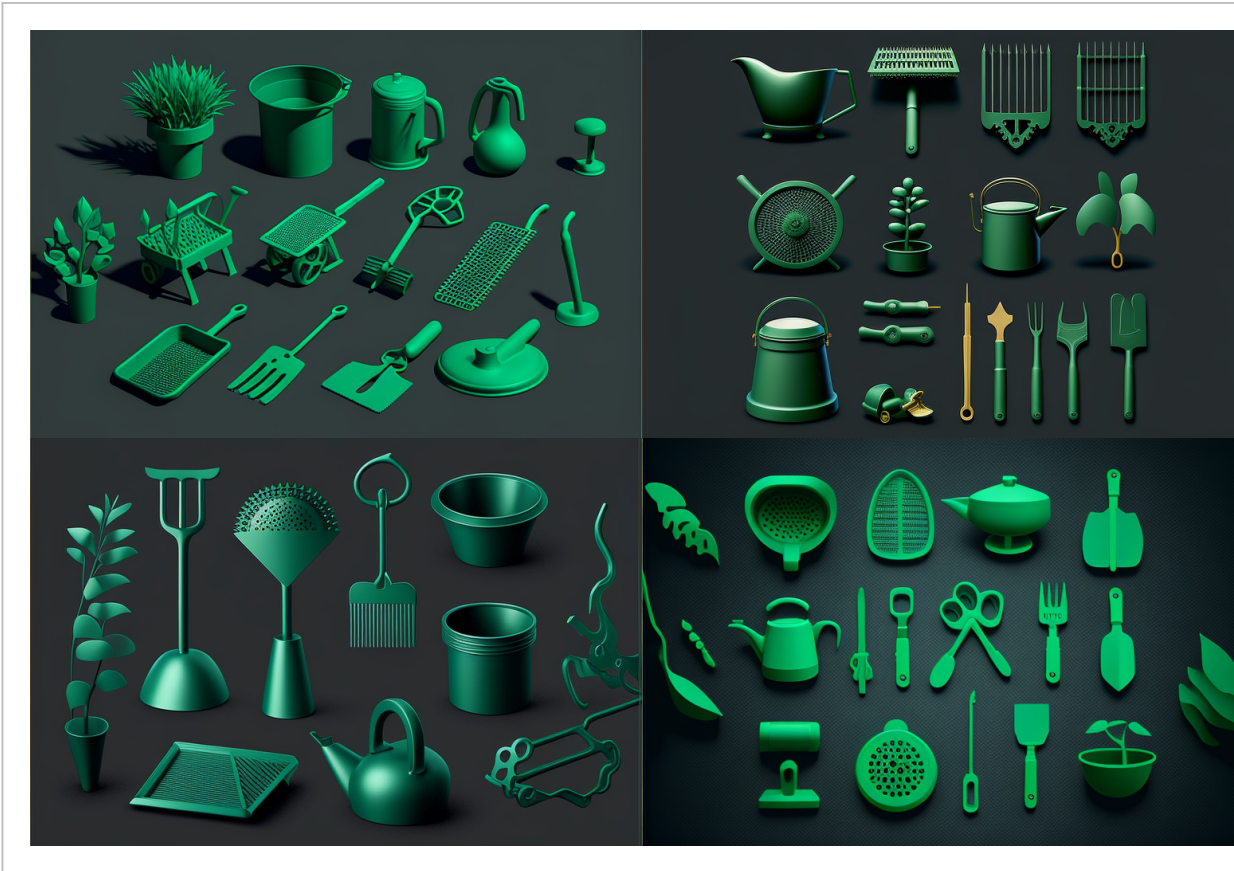
Piston rings
Crankshaft bearings
Camshaft bearings
Timing belt or chain
Valves and valve guides
Connecting rods
Cylinder walls
Transmission:

Gears
Bearings
Clutch
Torque converter
Transmission fluid
Shift linkage and cables
It's worth noting that other parts of the car, such as the brakes and tires, can also

contribute to energy losses due to friction, so regular maintenance and proper driving habits are important for maximizing fuel efficiency.

Ahmed carefully examines each component to determine the extent to which it can contribute to reduced fuel consumption. He considers whether a single component is sufficient, or if a combination of components would be more effective in achieving the desired outcome. Additionally, he considers the costs associated with producing the widget and evaluates its potential market demand. Ahmed consults with colleagues and industry experts to obtain feedback on the design and its potential impact. During this process, he discovers that the selected polymer material remains expensive to produce at scale, but he identifies an alternative manufacturing process that can help to reduce costs.

Implementation



Implementation - Image Generated by Midjourney AI

Implementation: Ahmed spends the next few months working on the widget's prototype, refining the design and testing different materials and manufacturing techniques.

Despite having many good ideas, Ahmed is inexperienced in the world of invention, so he seeks advice from ChatGPT on the most effective approach to pursue his ideas.

Prompt - Need Plan:

give me an implementation plan for the widget's prototype, refining the design and testing different materials and manufacturing techniques

Output - Need Plan

Sure, here's a possible implementation plan for developing and testing the widget's prototype, refining the design, and testing different materials and manufacturing techniques:

Define the Prototype: Ahmed should start by defining the specifications and features of the widget prototype, including the materials, dimensions, and components needed to achieve the desired fuel efficiency improvements.

Research and Development: Ahmed should then begin research and development to create the initial prototype, testing different materials and manufacturing techniques to refine the design and optimize the widget's performance. During this stage, he should also consider cost-effectiveness and scalability in the manufacturing process.

Testing and Validation: Once the prototype is developed, Ahmed should test it under various conditions to validate its effectiveness in

reducing fuel consumption. This testing should involve both laboratory and real-world conditions to ensure that the widget performs as expected.

Refine the Design: Based on the results of the testing and validation, Ahmed should refine the design of the widget prototype, incorporating any necessary changes or improvements identified during the testing process.

Additional Testing: Once the design is refined, Ahmed should test the updated prototype to ensure that the changes made have resulted in the desired improvements in fuel efficiency.

Manufacturing Plan: Once the design is finalized, Ahmed should develop a manufacturing plan for producing the widget at scale. He should consider factors such as sourcing materials, production capacity, cost-effectiveness, and quality control.

Continuous Improvement: Ahmed should continue to monitor and improve the widget's performance and refine the manufacturing process to ensure the product is both cost-effective and effective in reducing fuel consumption.

Overall, this implementation plan is focused on delivering a high-quality prototype that meets the desired specifications and performance goals, as well as creating a feasible plan for manufacturing the widget at scale.

Now that Ahmed has a good work structure, he works long hours, often staying in the lab late into the night or over the weekends. Finally, he creates a working prototype that exceeds his expectations. He presents his invention to his company's board of directors, who are impressed by his innovative solution and the potential it has to revolutionize the automobile industry. The widget is patented, and Ahmed becomes the lead engineer in charge of its production.

"Creativity is intelligence having fun." - Albert Einstein

Author bio:



Library - Image Generated by Midjourney AI

Jamal Faisal Almutawa is a seasoned telecommunications professional with over 21 years of experience in the industry. He has a strong expertise in cutting-edge technologies covering IT, software, telecom, fintech, and AI. Throughout his career, Jamal

has held a variety of leadership positions at Zain and as Founder and CEO of Basket SPC.

In addition to his work in the technology and telecommunications industries, Jamal is an enthusiastic and knowledgeable technology enthusiast with a keen interest in all new technologies. He keeps up-to-date with the latest trends in the field, making him a well-rounded industry expert.

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