You are a startup called Sanctuary, composed of an all-star CTO, CEO, and the world’s leading domain knowledge experts, trying to solve the following problem in order to capture the most money available in the world as fast as possible to benefit the most people possible. You want to theoretically find the highest chance of success, highest return user experience to productize, and then find the fastest way to an MVP, using it to ourselves for low cost in order to fund ourselves for larger things, like a funding engine.

What is the way to use GPT-4 and zapier plugins and no-code to build a theoretically profitable MVP to fund Sanctuary, that we can validate the viability of quickly as possible, and then iterate as quickly as possible?

Make sure all of the steps are in the same syntactical format and use indentation instead of just numbering (use numbering as well).

eg: 1.1

1.11

1.12

1.2

Here’s an example of an output from you, you should put the same level of thinking into the one you generate as a response, making sure the output matches the parameters of the input:

Axiom 1: No-code tools and Zapier plugins enable rapid application development.

Zapier plugins connect to various web apps and services.

Web apps and services connected to Zapier that are related to this project include Alpha Vantage, Quandl, and Twelve Data for accessing financial data; and GPT-4 API for natural language processing.

Premise 1: By connecting Alpha Vantage, Quandl, and Twelve Data to access financial data and GPT-4 API for decision-making, we can create a trading bot that implements the continuous surf strategy.

Axiom 2: GPT-4 can be integrated into applications via APIs.

GPT-4 API allows developers to access and utilize the capabilities of GPT-4 within their applications.

Premise 2: Integrating GPT-4 into the trading bot application can assist in decision-making, strategy optimization, and natural language understanding for processing market news and sentiment analysis.

Axiom 3: Financial trading bots make automated buy and sell decisions based on predefined rules and strategies.

Automated trading bots use algorithms, technical indicators, and other quantitative methods to execute trades.

Premise 3: Designing a trading strategy that implements continuous surf and integrates it into the trading bot will enable it to ride upward trends and avoid downward ones.

Axiom 4: Maximizing profit is the primary goal of a financial trading bot.

Profit maximization involves optimizing the trading strategy, minimizing transaction costs, and effectively managing risk.

Premise 4: To maximize profit, the trading bot should be designed with a focus on optimizing the continuous surf strategy, incorporating risk management, and minimizing trading fees.

Axiom 5: Continuous surf refers to the strategy of riding upward trends and avoiding downward ones.

Continuous surf strategy aims to capture gains in assets that are appreciating in value while avoiding or minimizing exposure to depreciating assets.

Premise 5: By implementing a continuous surf strategy, the trading bot can increase the likelihood of generating positive returns and reduce the risk of losses.

Axiom 6: Trading fees and rate of change differences affect the profitability of a trading strategy.

Transaction costs can significantly impact the overall performance of a trading strategy, especially when frequently trading in and out of positions.

Premise 6: The trading bot should account for trading fees and rate of change differences when making buy and sell decisions to ensure that these factors do not erode the profitability of the continuous surf strategy.

Axiom 7: Using a no-code tool like Bubble, Adalo, or Glide can facilitate the creation of the user interface and overall structure of the trading bot application.

These no-code tools allow for rapid development and deployment of applications with minimal coding knowledge.

Premise 7: By leveraging a no-code tool, we can efficiently build the trading bot application, allowing users to monitor performance, adjust settings, and access trading insights generated by the bot.

Stage 1: Choose a no-code platform for building the trading bot application.

Research and compare no-code platforms (Bubble, Adalo, Glide)

1.1. Identify the features and limitations of each platform

1.1.1. List the unique features of each platform

1.1.2. Note any limitations that may impact the trading bot development

1.2. Look for user reviews and case studies

1.2.1. Search for relevant reviews on forums and review websites

1.2.2. Analyze case studies to understand how others have used the platforms

1.3. Consider pricing and subscription plans

1.3.1. Compare the costs of each platform

1.3.2. Determine which plan best suits your budget and needs

Evaluate their ease of use, compatibility with Zapier, and support for API integration

2.1. Check if they provide native support for Zapier or require additional setup

2.1.1. Explore each platform's integration options

2.1.2. Assess the complexity of connecting with Zapier

2.2. Investigate the types of APIs each platform can handle (REST, GraphQL, etc.)

2.2.1. Check the platforms' documentation for API support details

2.2.2. Ensure the platform can handle the APIs of financial data sources

2.3. Assess the platform's learning curve and available resources

2.3.1. Estimate the time needed to become proficient with the platform

2.3.2. Evaluate the quality and depth of tutorials and documentation

Select the platform that best suits your requirements and desired features

3.1. Desired features may include user authentication, dashboard, real-time data visualization, and reporting

3.1.1. Create a list of essential and optional features

3.1.2. Compare the ability of each platform to deliver those features

3.2. Requirements may include performance, scalability, and responsiveness of the platform

3.2.1. Assess the platform's ability to handle high-frequency data updates

3.2.2. Evaluate how easily the platform can scale as the application grows

3.3. Ensure the platform can accommodate trading bot logic and continuous surf strategy

3.3.1. Determine if the platform supports custom logic implementation

3.3.2. Ensure the platform's capabilities align with the continuous surf strategy

Get familiar with the chosen platform's development environment

4.1. Follow tutorials and documentation to learn the platform's interface and features

4.1.1. Complete relevant tutorials to gain hands-on experience

4.1.2. Study the platform's documentation to understand its capabilities

4.2. Create a prototype or test project to practice using the platform's tools and components

4.2.1. Experiment with various components in the development environment

4.2.2. Test the integration of APIs and Zapier connections

Plan the application's structure and components

5.1. Outline the application's layout, including main screens and navigation

5.1.1. Sketch or design a wireframe of the application

5.1.2. Organize the flow of screens and navigation elements

5.2. Identify the components needed for implementing trading bot logic and continuous surf strategy

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5.2.1. List the required components such as data fetching, processing, and decision-making modules

5.2.2. Determine if any custom components need to be built or if existing ones can be adapted

5.3. Plan the data flow and communication between components

5.3.1. Design the data flow diagram to visualize how data will be processed and passed between components

5.3.2. Ensure that the data flow supports the continuous surf strategy and trading logic

Begin building the application

6.1. Set up the main screens, navigation, and layout using the chosen platform's tools

6.1.1. Create and configure the necessary visual elements and components

6.1.2. Implement user authentication and authorization, if required

6.2. Develop the trading bot logic and continuous surf strategy implementation

6.2.1. Write custom code or configure built-in components to implement the strategy

6.2.2. Integrate the strategy with the data flow and decision-making components

6.3. Connect the application to the relevant financial APIs and Zapier integrations

6.3.1. Configure API connections and data fetching

6.3.2. Set up any required Zapier triggers and actions to automate processes

Test the application and iterate

7.1. Perform functional testing to ensure all components work as intended

7.1.1. Test the application in different scenarios and edge cases

7.1.2. Identify and fix any bugs or issues discovered during testing

7.2. Evaluate the performance of the trading bot and continuous surf strategy

7.2.1. Analyze the trading bot's decisions and results against historical data

7.2.2. Adjust the strategy or logic if necessary to improve performance

7.3. Gather user feedback and make improvements based on it

7.3.1. Conduct usability tests with potential users

7.3.2. Incorporate user feedback to enhance the user experience and overall functionality

Once you've gone through these stages, you'll have developed a financial trading bot application using a no-code platform, GPT-4, and Zapier plugins.

Stage 2: Integrate Zapier plugins and external APIs for data retrieval and trading functionality.

2.1. Identify the required Zapier plugins and external APIs for data retrieval, trading, and GPT-4 integration

2.1.1. Financial data APIs: Alpha Vantage, Quandl, or Intrinio

2.1.2. Trading APIs: Alpaca, Interactive Brokers, or Robinhood

2.1.3. GPT-4 API for natural language processing

2.2. Connect the chosen APIs and plugins to the no-code platform

2.2.1. Follow each platform's documentation for API integration

2.2.2. Configure API endpoints, authentication, and request parameters

2.3. Test the API connections and ensure data is retrieved correctly

2.3.1. Check for data format consistency and error handling

Stage 3: Develop the trading bot logic and continuous surf strategy.

3.1. Define the trading rules and strategies

3.1.1. Research existing trading strategies for inspiration

3.1.1.1. Study trend-following, mean reversion, and momentum-based strategies

3.1.1.2. Understand the risk management techniques used in various strategies

3.1.2. Incorporate continuous surf logic into the strategy

3.1.2.1. Identify market trends and trading signals for upward-moving assets

3.1.2.2. Determine exit points to avoid downward trends or park in cash

3.2. Implement the trading rules and strategies within the no-code platform

3.2.1. Use the platform's visual programming or scripting capabilities

3.2.1.1. Create custom logic for buy and sell signals

3.2.1.2. Implement risk management and position sizing

3.2.2. Leverage the data retrieved from APIs and plugins

3.2.2.1. Integrate historical and real-time price data from financial APIs

3.2.2.2. Utilize GPT-4 for news analysis and sentiment analysis

3.3. Optimize the trading strategy for profit maximization

3.3.1. Consider transaction fees, rate of change differences, and other factors

3.3.1.1. Calculate transaction costs and account for them in the strategy

3.3.1.2. Analyze the impact of rate of change differences on profitability

3.3.2. Adjust strategy parameters to minimize risk and maximize returns

3.3.2.1. Optimize position sizing and stop-loss levels to manage risk

3.3.2.2. Fine-tune trading signals and parameters based on backtesting results

Stage 4: Implement user interface and user experience for the trading bot application.

4.1. Design the user interface

4.1.1. Sketch wireframes or mockups for the app's key screens

4.1.2. Consider user experience best practices for navigation, layout, and visual design

4.2. Implement the user interface in the chosen no-code platform

4.2.1. Use platform-specific UI components and design tools

4.2.2. Ensure responsiveness and cross-platform compatibility

4.3. Test the user interface and user experience

4.3.1. Conduct usability tests with target users

4.3.2. Iterate on design based on user feedback and findings

Stage 5: Launch the trading bot application and monitor its performance.

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5.1. Deploy the application using the chosen no-code platform

5.1.1. Follow the platform's deployment documentation

5.1.2. Set up any necessary hosting, domain, or SSL configurations

5.2. Monitor the trading bot's performance and adjust strategies as needed

5.2.1. Track key performance indicators (KPIs) like profitability, risk, and user satisfaction

5.2.2. Make data-driven decisions to improve the trading bot's strategies and features

5.3. Iterate on the application based on user feedback and market changes

5.3.1. Continuously refine and expand the trading bot's capabilities

5.3.2. Stay informed about market trends and adapt strategies accordingly

Double check the current outline meets the project requirements fully. then proceed to the next level of granularity, starting at the next stage that needs to be expanded. expand the granularities of the next stage using your entire output space, going into as many levels of granularity fit in the space. If nothing is changing from before, just indicate that with == at the start of the output, otherwise indicate \* for something saved from before, and just make the changes in between \*'s, and continue on with the instructions earlier in this prompt. You dont need to repeat parts that you arent changing. For example: if you said 3.3, 3.3.1, \*3.3.1.1, it could have been \*3.2.2.2,\*3.3.1.1...