Crypto Stock Market Advisor Scenario
Group 7 - Keyur Patel, Esat Duman, Federico Mansutti, Abhishek Walvekar

The stock platform allows users to securely log in to access a range of financial tools and data. Once logged in, users are presented with a Stock Dashboard where they can explore live stock prices and performance metrics. This initial interface enables users to search for specific stocks and review detailed information on demand.

Another core feature of the platform is the Prediction Dashboard, which delivers daily stock and cryptocurrency predictions based on anticipated percentage gains. Users selecting a prediction will also find relevant news articles to guide their decision-making process. Additionally, users can view and manage their investments through the Personal Portfolio, which calculates total gains.

Users can tailor their experience by setting preferences for prediction timeframes, such as daily, weekly, or monthly predictions. The platform also includes a News Page, where users can stay informed with curated articles on market trends and developments affecting their financial interests.

Scenario: "Market Exploration"

1. **User Authentication:** Users who log into their accounts, will be required to input their username and password. This process ensures that only authorized individuals can access their accounts and view or manage their data.

2. **Stock Dashboard:** Upon logging in, users are directed to the main dashboard where they can view live stock data for various stocks. This includes real-time updates on stock prices and performance metrics. Users can use a search bar to look up specific stocks they are interested in, allowing them to access detailed information about individual stocks quickly.

3. **Prediction Dashboard:** The Prediction Dashboard provides users with the top K predictions for the current day, focusing on both stocks and cryptocurrencies. These predictions are based on the expected percentage gain. When a user selects a top prediction, they are shown the most recent news related to that stock or crypto, helping them make informed decisions based on current market trends and news.

4. **Personal Portfolio:** This feature allows users to view their personal portfolio, which shows their investments and calculates their total gains over a specified period. Users can manage their funds through this interface, including adding,

transferring, and withdrawing funds from their accounts. This functionality provides a comprehensive view of their financial status and helps track their investment performance.

5. **Personal preferences/settings**: Users have the ability to set their preferences for recommendation time windows. For example, they can choose whether they want predictions for daily gains or for longer periods such as weekly or monthly. This customization ensures that recommendations align with the user's investment strategy and goals

6. **News Page:** The News Page allows users to browse through news articles related to market trends and stock prices. This section keeps users informed about market conditions and other relevant news that could impact their investments. The news articles are curated to provide valuable insights and updates that are pertinent to their financial interests.