Team 23 Project Charter
Crypto Terminal

Problem Statement

Cryptocurrency wallets and trading platforms often lack the features of a stock trading platform. Bitcoin, Etherium and many other cryptocurrencies often fluctuate at the same rate and volatility of a stock market, as the trading which takes place is electronic and can yield similar results to the stocks. We intend to make an app mimicking popular stock trading apps, with more in depth analysis of the graphs of cryptocurrencies and a broader selection of trading options normally only supported by the stock market.

Objectives

- Allow user sign up and login to store wallet and purchased currencies.
- Pull live cryptocurrency prices as well as historical data to build live price charts.
- Allow users to buy and sell cryptocurrency in a game like setting where no real money is being spent (buying and selling of cryptocurrency will not affect live prices).
- Users will be able to set limits on their purchases to allow better control over when to buy and sell (Automatic buy/sell to take out user click time).
- Clean User Interface for ease of access

Stakeholders

Project Owners: Daniel Tracy, Brian Long, Nathan Adduci, Josh Hiatt, Peter Jung
Developers: Daniel Tracy, Brian Long, Nathan Adduci, Josh Hiatt, Peter Jung
Users: Typical users include those who wish to both learn and practice trading crypto currencies in a realistic, professional environment with real time tracking and accurate statistics.
Project Coordinator: TBA

Deliverables

- A web simulation of cryptocurrency exchange written in HTML/CSS, Java, and R
- Graphs that represent the cryptocurrency data
- Exchange rates that are updated with every refresh
- Firebase database to store cryptocurrency wallet

EXAMPLE CHARTERS FROM GITHUB
https://github.com/omechan233/CS408-Team27/blob/master/docs/Team%2027%20Project%20Charter.pdf

https://github.com/jrichwine/cs408-Testing/blob/master/Documents/Team13ProjectCharter.pdf

https://github.com/jmpoholarz/memedemic/blob/master/Documentation/CS%20408%20Project%20Charter.pdf