

Final Proposal

Mission:

One of the problems with trading is not being notified about the changes in the market, because you can win or lose money for those unexpected movements. For that, I do this website to have access to data on those market movements.

Audience

My audience is those traders or people who are interested in stocks, currencies, and cryptocurrency values. They are those who take advantage of the website.

Major functions

My principal functions for the website are:

- **GetData:** this retrieves the data for the local API that will contain the names of the principal stocks, currency pairs, and cryptocurrencies.
- **GetSpecificElement:** This retrieves the data for the API <https://alphavantage.p.rapidapi.com> has how parameters the name and category values.
- **RenderListItems:** This will render the stock, currencies, and cryptocurrencies list. It has how parameters of the list that we got for GetData.
- **ShowChart:** I will use Chart.js to show the historical data.
- **ShowTable:** It will display a table with the data for recent values.
- **GetLastViewedElements:** This will display the last three elements that were visited and that are storage in the LocalStorage
- **StoreInQueue:** I will use a Queue to keep the last three elements if is full, dequeue the first.

Colors:

In coolors.com <https://coolors.co/403f4c-2c2b3c-1b2432-121420-b76d68> this is the template I will use for this page, I preferred a dark mode because being all day in front of a computer is tired.

Typography

- Montserrat
- Oswald

Data Sources:

External API: <https://rapidapi.com/alphavantage/api/alpha-vantage/>

LocalStorage: Stores the last three elements that were visited

Local JSON: This manages the names of the stocks, currencies, and cryptocurrencies.

Module List:

My modules will be:

- main.js, principal module
- utils.js, which will contain utilities to get data, calculate trends and other aspects
- detail.js. It's for the page details
- stock-listing.js, is to list stocks
- currency-listing.js is to list currencies
- cryptocurrency-listing.js is to list cryptocurrencies
- Graph.js: This manages table and chart displays.

Schedule

Fifth Week

- I will make the pages for index.html (Home) and listing elements.
- make the css file for mobile and desktop
- create the first function and utils called **getData and renderItem**s

Sixth Week

- I will create the details page
- I will create getSpecificElement function for the page.

Seventh Week

- I will create the chart and tables
- I will create the animation for displaying charts and tables

Trello Board

<https://trello.com/b/8VVomOVr/dailytrader>

Wireframes(Home and Detail Pages)

