Project Progress Report #1

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Main Task	Time Cost
Research stock websites to scrape	5 hours
Collect web scraping data/urls	6 hours
Scrape the websites	15 hours
Analyze the scraped data	15 hours
Gather our findings from the data	6 hours
Create visualization in extension of our results	15 hours
Run test cases on the chrome extension	5 hours

Completed

1) Research Stock websites to scrape: We are scraping the CNN Finance website
2) Collect Web Scraping data/urls: We have scraped the top 10 most active stocks of the day using beautiful soup in python.
3) Analyze the scraped data: We have analyzed the data in a jupyter notebook with the help of pandas and matplotlib
4) Gather our findings from the data: We have analyzed the trends in the stocks in our jupyter notebook

In Progress

1) Scrape the websites: We are working on scraping certain stock pages for companies itself so that when a user is on that page they can hover to our extension and find relevant values

2) Create Visualization in extension of our results: We are working on still linking our data to the extension through javascript and then visualizing the data in our extension. Currently, we have a brief skeleton of the extension ready.
3) Run test cases on extension: This is work in progress. We will do this once we have our extension fully up and running.

Challenges

The main challenge we are facing right now is how to read in our data into the extension and then visualize the data. We are looking at options and researching the best way to do this. We hope to achieve this by our next progress report.