**Quickr Pickr**

**Project Start Date:** August 4, 2021

**Project Due Date:** August 21, 2021

GitHub Repository:

<https://github.com/JuliaGuanzon/Quickr_Pickr>

Slides:

<https://docs.google.com/presentation/d/1okvBgBfMfjF6QMhYzBrobaw2bxs0HRxGb8Li0KHJJrY/edit?usp=sharing>

**Timeline:**

8/9/21-8/14/21: Development Period

8/14/21: Finish coding by end of day

8/15/21: MVP due, Presentation Draft due

8/16/21: Mock Presentation

8/17/21-8/19/21: Polish up code, add any additional items

8/20/21: REVIEW ALL MATERIALS (all team members will review materials for errors), go over presentation (timed).

8/21/21: PRESENTATION DAY

**8/4/21: First Meeting-Brainstorm session**

Idea of a stock picker application

-Need to find APIs : historical data and current data

- come up with indicators: RSI, price, volatility, moving avg

-Filtering system, give user 5 outputs to choose from

-come up with user story, narrow down what application will be

**8/9/21: Second Meeting**

Assignment of roles:

Julia Guanzon-Project Manager

Prateek Sharma- SCRUM Master

Saeed Raghib-Developer

Sam Weiner- Developer, Product Owner

Task distributed:

Sam, Saeed: Find API data, establish data, clean data, start developing indicators

Julia: Work on main file developing questionary, create basic user story, and development the layout design of application

**8/10/21: Third Meeting**

Discussion on narrowing down application requirements and indicators

Continued work on finding APIs and establishing data

**8/11/21: Fourth Meeting**

Sam, Saeed: still working on finalizing code

Prateek: Developing a more detailed user story, develop acceptance criteria, brainstorm presentation layout

Julia: continued work on main file, gather information for documentation.

**8/12/21: Fifth Meeting-Check-in**

Team still working

Julia: developed questionary draft, waiting for concrete variables to add to questionary, gathered descriptions on indicators and explanations

**8/13/21: Sixth Meeting-Check-in**

Sam: able to complete code

Saeed: finishing up code

Julia: Will ties in Sam’s code into questionary

**8/14/21: Seventh Meeting**

Prateek: developed presentation, working on User Stories and other documentation

Saeed: Working on code, providing information for presentation to Prateek

Sam: providing information for presentation to Prateek

Julia: Finalizing main file, providing information for presentation to Prateek

**8/15/21: Eighth Meeting**

Discussed Powerpoint presentation

8/16/21:Mock Presentation

**Project:**

Development of stock picker where we have the user provide us with indicators and application will output 5 stocks that meet the criteria of what the user is looking for.

1. Main file that asks user question getting idea of what they are looking for in stocks
2. Based off of criteria provided, application will calculate the information from API and will provide stocks user would be interested in.
3. Save the output.

Coding in the following: JupyterLab, VS Code

Data: Yahoo Finance (yfinance), using S&P 500 stocks

Indicators:

RSI: a momentum indicator used to measure the magnitude of recent price changes to evaluate overbought or oversold conditions in the price of stock or other asset. RSI values of 70 or over indicate that security is becoming overbought or overvalued and may be primed for a trend reversal. RSI value of 30 or below indicates an oversold or undervalued condition. (<https://www.investopedia.com/terms/r/rsi.asp>)

Moving Avg (200 days): Moving average is a calculation used to analyze data points by creating a series of averages of different subsets of the full data set. MA smooths out the price data by creating a constantly updated average price. Calculated to identify the trend direction of a stock or to determine its support and resistance levels. (<https://www.investopedia.com/terms/m/movingaverage.asp>)

Trading Volume: Measures the number of shares traded in a stock. Looking at volume patterns over time can help get a sense of strength behind advances and declines in specific stocks and entire markets. (https://www.investopedia.com/articles/technical/02/010702.asp)

Price (https://www.investopedia.com/articles/active-trading/110714/introduction-price-action-trading-strategies.asp)