

1. Team number:

013-02

2. Team name:

Stock Monitors

3. Team Members:

- a. Kevin White (Kevin2621, kewh6769@colorado.edu)
- b. Andrew Lee (anle7157, anle7157@colorado.edu)
- c. Shreyas Kulkarni (ShreyasKulkarni123, shku7404@colorado.edu)
- d. Aidan O'Connell (aidanoc845, aioc5407@colorado.edu)
- e. Paul Drews (padr5012, padr5012@colorado.edu)

4. Application Name:

The Stock Monitor

5. Application Description:

Our application will give a digestible summary of investing information to the user. The information displayed to the user will be given on cards on a rotating carousel, allowing the user to quickly view summary statistics on a handful of companies. The stock information displayed will include a real-time pricing of the stock of each company that is being shown on the website.

We will also add customizability of how to configure the carousel to make it most relevant to the specific investor. For first-time users, this carousel will include the stocks with the highest market cap. However, users who choose to will be able to change the stocks displayed on their individual carousel.

6. Vision Statement:

Empowering first-time investors seeking entry into the trading market, The Stock Monitor offers a user-friendly financial tool. With a clear interface, it enables users to engage with their investments effortlessly. Unlike Robinhood, our platform provides enhanced insights into invested companies, fostering informed decision-making.

7. Version Control

<https://github.com/ShreyasKulkarni123/The-Stock-Monitor>

8. Development Methodology

The development methodology we will use is Agile. This will allow us to break the project down into more manageable chunks for each individual to work on. Moreover, it will effectively allow us to track progress.

9. Communication Plan

Our team plans on communicating with each other through Discord. This will allow us to quickly share ideas, code, updates, and other important information with each other.

10. Meeting Plan

Team Meeting:

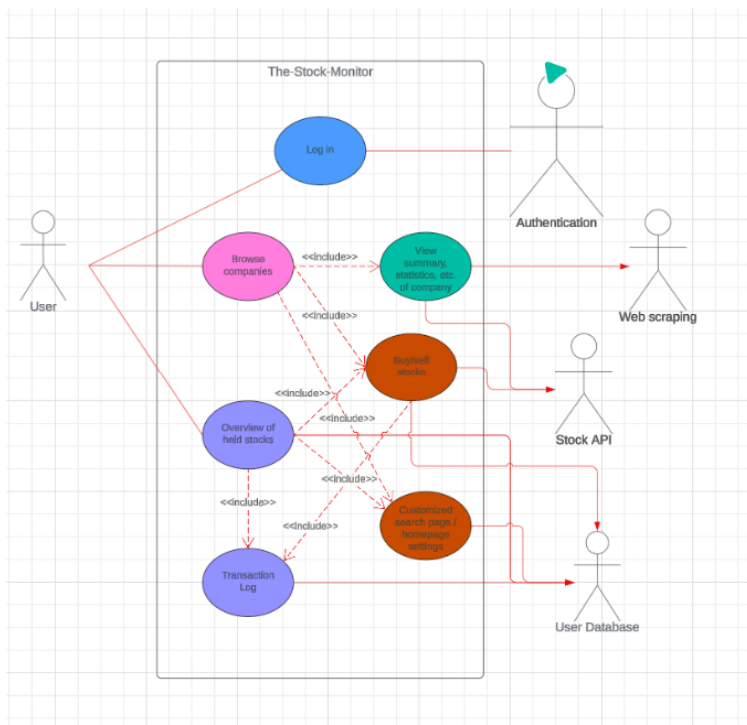
- Thursdays (9:45 AM - 11:00 AM) In-Person

Weekly Meeting With TA:

- Tuesday (6:00 PM - 6:15 PM) Zoom

11. Use Case Diagram

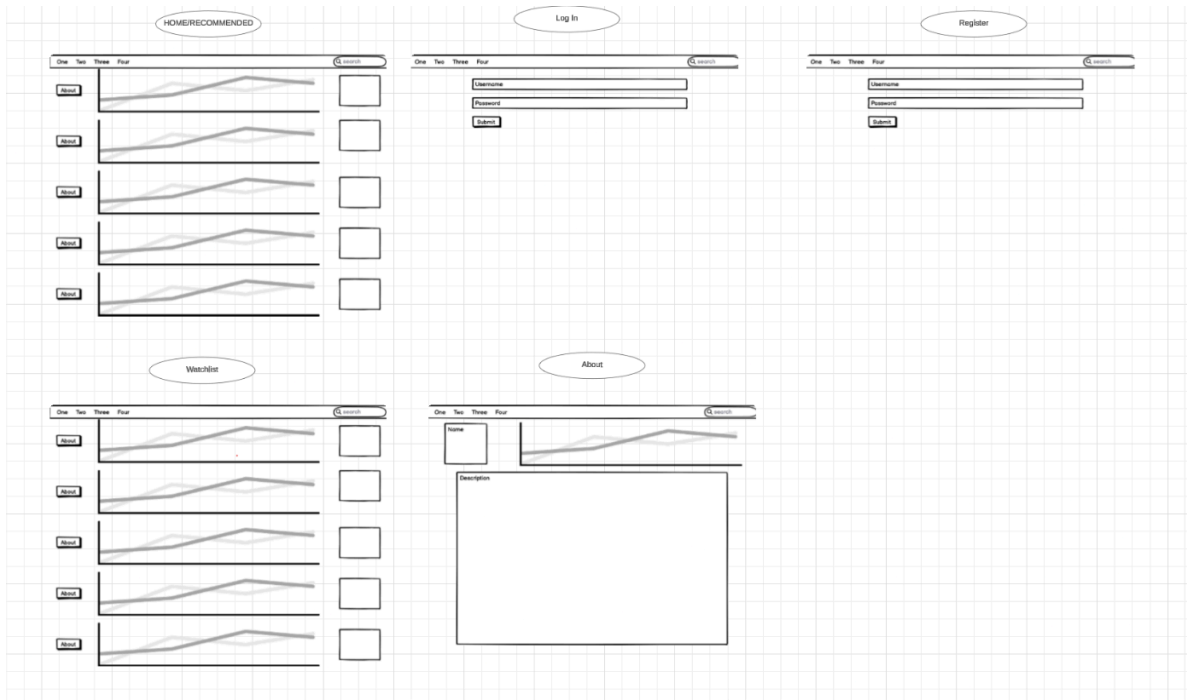
[LINK TO THE DIAGRAM](#)



12. Wireframes

[LINK TO THE DIAGRAM](#)

4/2/2024



4/2/2024

Database (minimal)

Users
(Serial Key) UserID
Password
Username

Watchlist (PK: UserID + Symbol)
(FK) UserID
Symbol

4/2/2024

Database (with maximal feature set)

Users (PK: UserID)
(Serial Key) UserID
Password
Username
Balance

Watchlist (PK: UserID + Symbol)
(FK) UserID
(FK) Symbol

Customizations (PK: UserID + Key)
(FK) UserID
Key
Value

Held stocks (PK: UserID + Symbol)
(FK) UserID
(FK) Symbol
Amount (in number of stocks)

Stock data (PK: Symbol)
Symbol
Search keywords