

FFStonks

The Finance Fellows





Members

- Josh Lee
- Malcolm Holman
- Diego Cornejo
- Ari Goldman
- Daniel Boiko
- Cole Bairley



Application Description

Our application will provide account holders with information about the top stocks on the current market. There will be multiple web pages to display different real time stock and market information. Users will also have the ability to follow other users and see other users' favorite stocks.

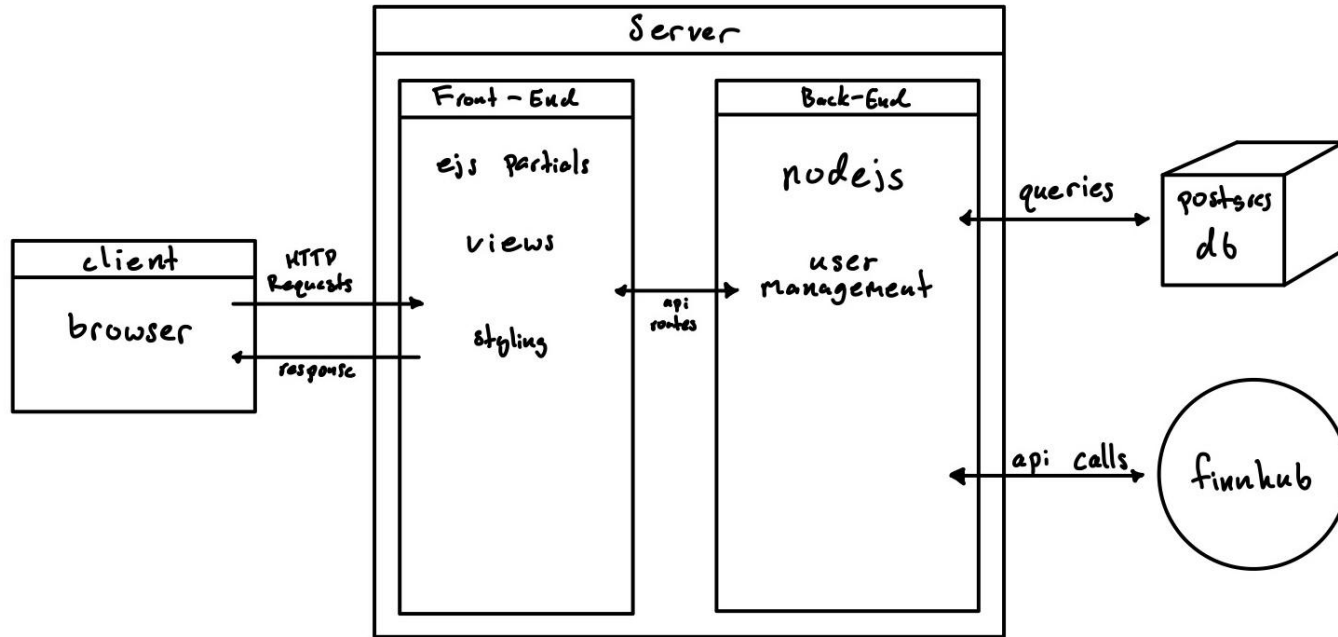
Vision Statement: To empower individuals with the knowledge and tools necessary to make well informed investment decisions.

Elements include:

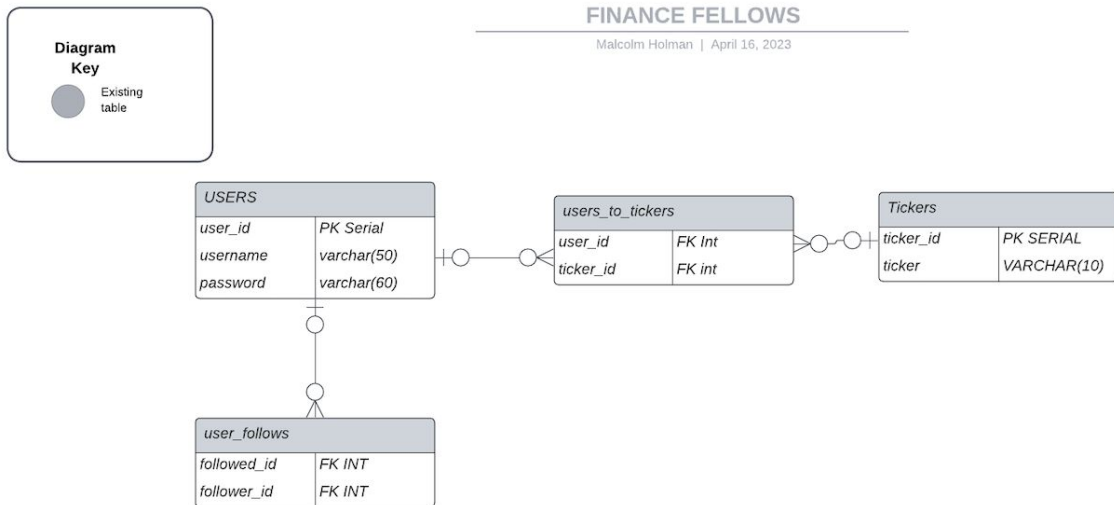
- user login page
- user registration page
- home page that displays top stocks and news stories
- news page
- user profile page that shows a user's favorite stocks and followers/following
- search page for users to browse stocks and add them to their favorites if they desire
- analytics about how a stock has done since a given user last logged in

Tool	Uses	Rating
Git and GitHub	Version control, project management	5/5 - easy to use, good for planning
VS Code	IDE	5/5
PostgreSQL	Database/Table management	5/5 - simple and easy to manage and track
Lucidchart	Entity relation diagram	3/5 - very specific use case, good for planning
Docker	Application Deployment	5/5
NodeJS	Application Server	5/5 - easy to work with, plenty of documentation
Azure	Cloud Hosting	4/5 - easy to use and setup
Bootstrap	Styling	3/5 - simple, repetitive (most used styling was proprietary)
Finnhub	External API	5/5 - many free uses

Architecture Diagram

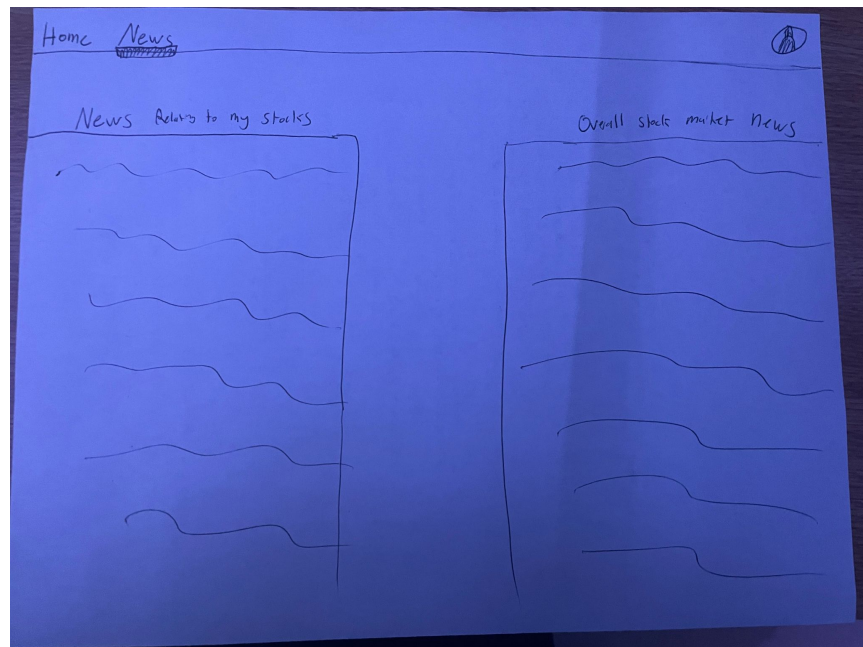
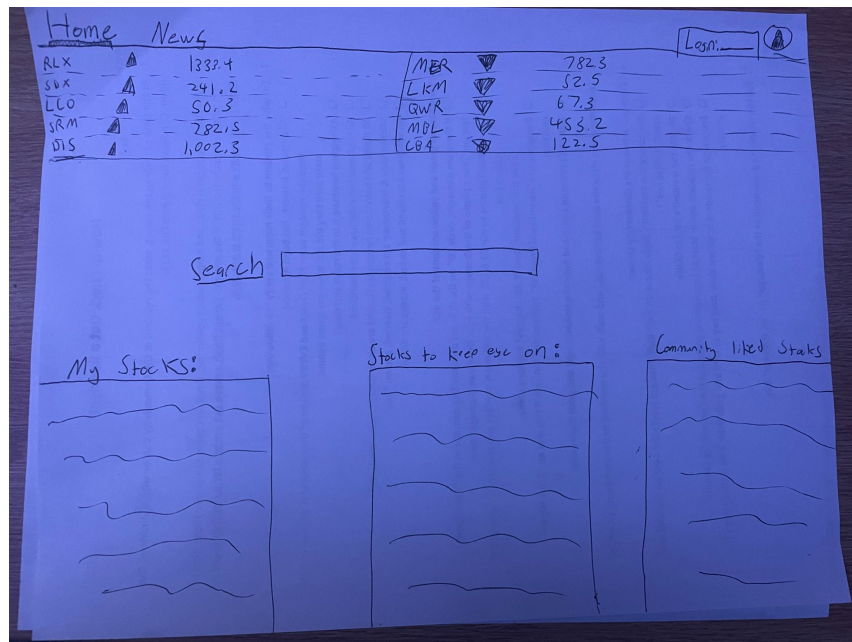


Database Schema





Wireframe





DEMO



Challenges Faced

- Figuring out how to collaborate efficiently as a group and spread out work evenly
- Using github efficiently, making sure that we pull the most recent code and navigating how far ahead of main someone is or behind.
- Setting reasonable goals
- Limitations with the limit of Finhub API calls - solved with workarounds



If we had more time

- Add a portfolio tracking feature where you can input your stock market investments and view how they are doing over time
- Make a subscription service where you can get more in depth helpful trading tips to inform future investments
- Add verification for accounts that have a large number of followers and are verified traders
- Ability to create private and public user accounts
- Link actual stock purchasing websites into ours so that you can buy stocks indirectly from our site

Comments?
Questions?

