Team Name
The Finance Fellows

Group Members

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Application Name
FFStonks

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.

There is: a user login page, a user registration page, a home page that displays top stocks and market news, a user profile page that shows a user's favorite stocks, a 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.

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

Video Demo
https://drive.google.com/file/d/14HsaEXz4Q7H0u9SQ7ZPRjDoxQm1FBuQ4/view?usp=sharing

Git Repo

Contributions

Josh: I was responsible for some of the front end of the project, where I completed the home page, and helped with login and register pages, as well as implemented the logout API. I had a bit of a mental struggle the first weeks of the project, where I was poor about communicating with my teammates, but I made an effort to communicate with them better the last couple weeks of the project. I struggled personally coding in a group setting, as it was my first time doing that, so using git was tough. My team was kind and helpful whenever I had problems and helped me out whenever I had issues with git and docker.

Ari: I worked on some back end and front end things. Front-end-wise I did styling for most of the partials and views (except home and profile due to time constraints) to make the website more presentable. I also did the API calls to populate the news page and stock ticker and created the views/partials for those. I also wrote the test cases, but those were less than shoddy and lacked being updated.

Malcolm: I did a little bit of everything on the project. I helped to establish the scope and make sure it would be possible to complete in the timeline given. I set up the database and designed the schema. I also implemented the search api both for users and for stocks, as well as the toggle feature between the two. Additionally I implemented the add favorite stock API and fixed most of the errors that arose throughout the project.
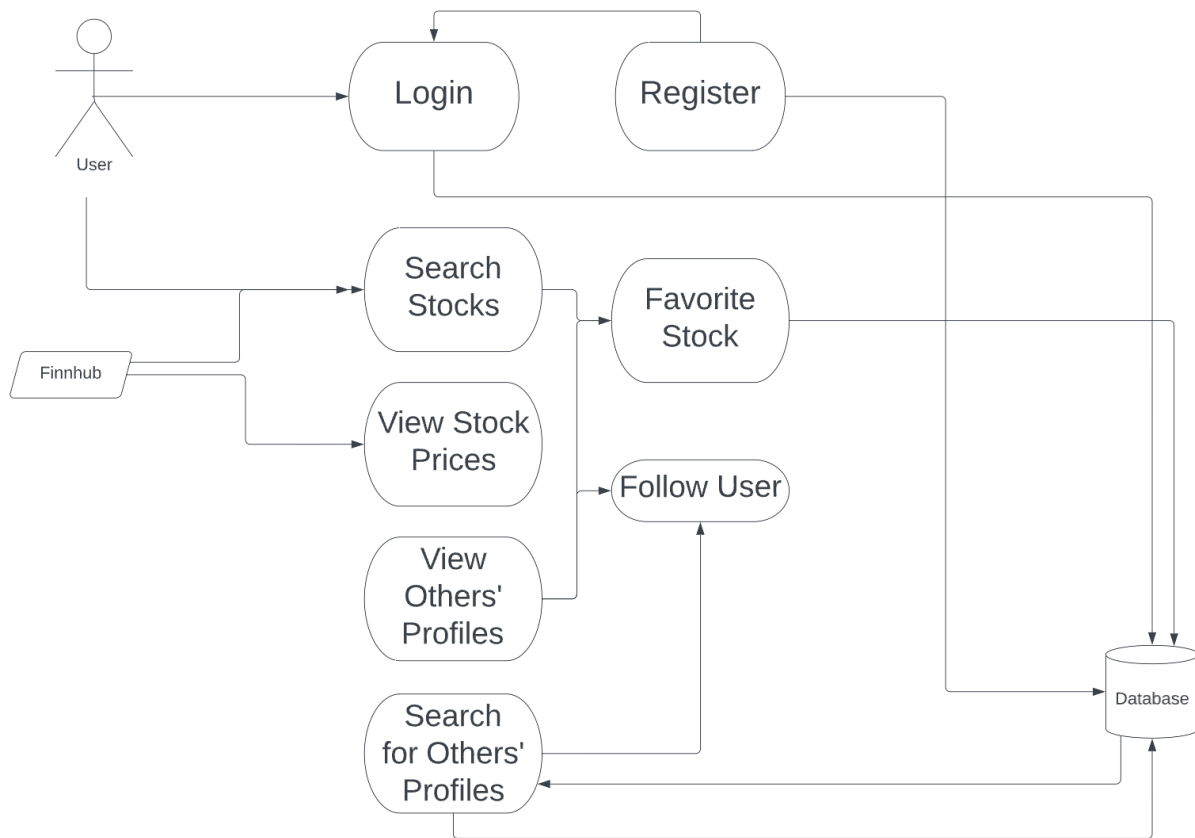
Cole: I worked on both front end and back end things for our project. On the front end I wrote most of the html for the profile, login, and register pages. Additionally, I helped with creating the html skeleton of the home page. I also helped with the login and register API calls and made the API call to display the user's username on the profile page.

Dani: I mostly worked on the profile page to get the front end and back end to line up for that page. I set up the APIs that query the PostgreSQL for information on which users a particular user is following, and which stocks they are following, and modified Cole's html for the profile page so the tables fit there. Also I set up the API calls for profile to display to be able to display different users, and made it so that a user only had the buttons for unfollowing and removing stocks on their own profile.

Diego: I worked mainly on the backend and my main task was getting the followers function to work which wasn't too difficult with just using the user session key and then a

followers table. I was lucky to have this group that helped me a lot with keeping me informed because I missed a standup and a recitation due to unforeseen circumstances. I wish I could have done more for the group overall but like I said above I had a great group that understood and helped whenever I needed it.

Use Case Diagram

Test Results

Register: failed - the criteria that fails is, "If the registration is unsuccessful then the user will be notified as to why," which does *not* happen on our page, thus we cannot say the test has passed successfully.

Favoriting Stocks: passed - the first acceptance criteria of a user not being able to favorite a stock unless being logged in passes as a user cannot access any page besides login and register unless logged in. The second and last criteria of the stock symbol being properly put in the database passes too, and we know this as they can also be accessed form the profile page. If they weren't in the table, they would no be able to be accessed.

Home view: failed - due to a lack of work done on the home page, most criteria for this test failed. There is no prompt telling the user to favorite some stocks if they have no favorites, and there are no displayed favorite stocks or news articles either.

Deployment

The server is no longer deployed (so as to not go broke) - it was deployed using Microsoft Azure's cloud services, done simply by cloning all the files into the server, opening the ports needed, connecting to the server, and starting the container.
(link when running: http://recitation-13-team-04.eastus.cloudapp.azure.com:3000)