



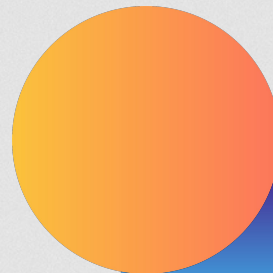
Stock N Load

Group 016-004

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What is Stock N Load?

Stock N Load is the stock tracking platform for the modern day investor. In the modern day with there being so many different stock trading platforms it can be easy to get lost in too much data. Stock N Load solves this problem by providing the user with the data they need to understand activity on the stock market. No pop-ups, no marketing notifications, just market info.



Tools Used

Mocha/Chai - Unit Testing - 1



Github - Project Management and Code Sharing - 5



VS Code - IDE - 3



Docker - Server and Database Containerization - 4



NodeJS - Application Server - 5



Azure - Deployment Environment - 4



Trading View - Market Data API - 4



TradingView

Polygon - Market Data API - 3



PostgreSQL - Database - 2



PostgreSQL

Handlebars - Templating - 5





Methodologies

Agile - 2

Who's going to make this functionality?

Create user stories for each desired function

Assign difficulty points to each story

Each person chooses a story

Peer Code Reviews - 3

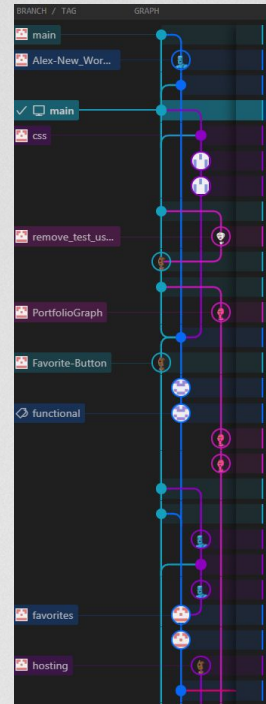
How do we integrate changes?

Create pull request from branch

Someone else from the team reviews changes

Merge pull request with main

Delete branch





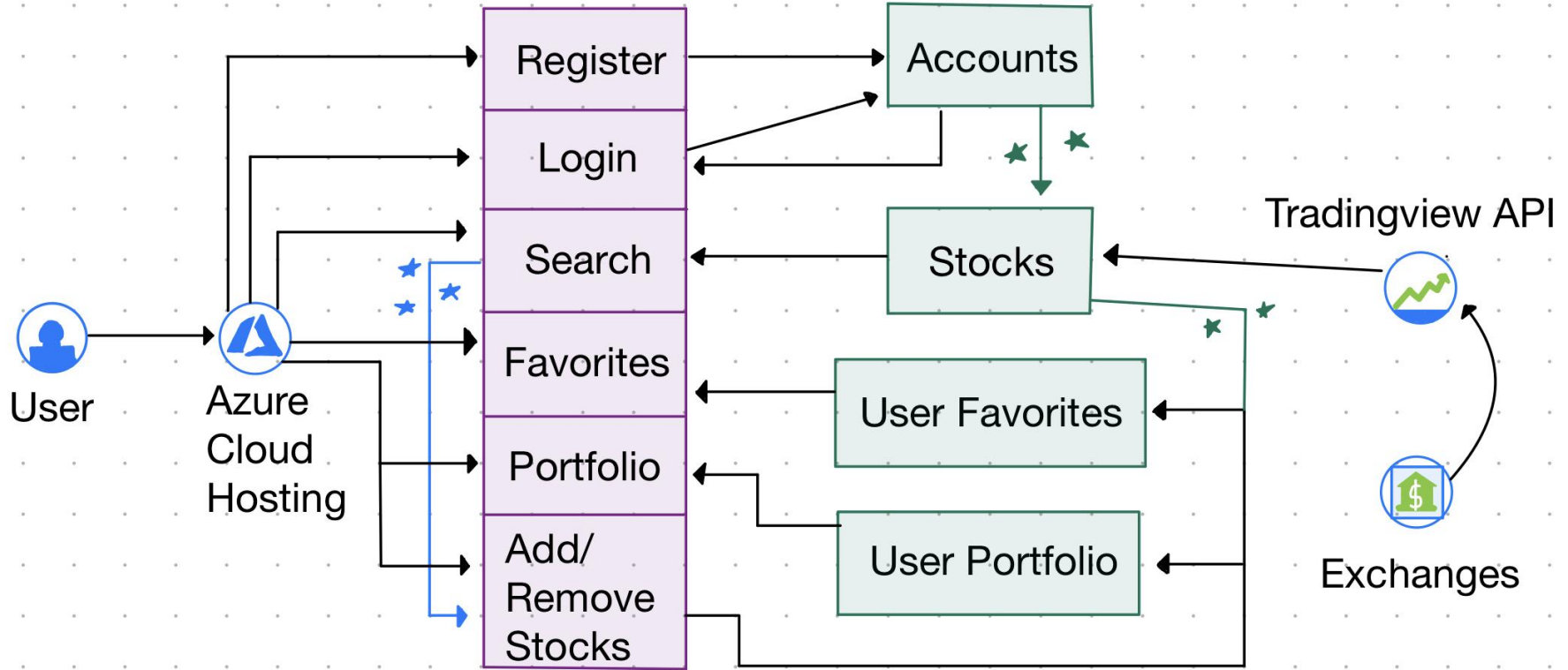
Architecture Diagram



Frontend

Backend & SQL Tables

External





Challenges

Docker

Windows VS. Mac

Node Package Manager Installing

Restart to see changes

Install npm locally, legacy flag on nodemon

Didn't affect original plans

Node.js

Showing errors

Session ID data stream to frontend

Held team meetings to research and debug

Changed how meetings were planned

Peer Code Review

Overwriting code

Github commits and branches

Slow to review

Made a template of how code reviews should be done

Caused a slower development process



Future Improvements



Favorites Page

Grouped stocks

Custom charts

Portfolio Page

Showing loss/gain on chart

Include amount owned of each stock

More data from the past

Comparison Page

Have a page to compare with others

Allow focused analytics

Tool for financial advisors

Thanks!

Do you have any questions?
Demo Time



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