STOCK
先生(Sensei)

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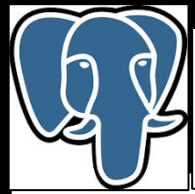
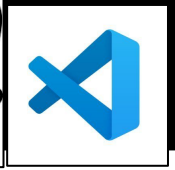
Application Description:

StockSensei is a comprehensive stock trading simulator designed for individuals eager to delve into the world of finance without the fear of financial loss. Users can create accounts, engage in risk-free simulated stock trading, and gain valuable insights into the dynamics of the stock market. The platform goes beyond mere simulation, offering learning opportunities and providing information that is relevant to the stock market, and delivering a live news feed for real-time market updates.





Github Project Board | Github | PostgreSQL | VSCode | HTML&CSS&JS | Node.js | Azure | Finnhub | Polygon.io | Mocha & Chai

★★★★
Project Tracker

A remote project board that every member can contribute to and update.

★★★★
VCS rep

A remote repository where we can all make branches and work individually without affecting the main

★★★★★★
Database

A database management system that is reliable and user friendly.

★★★★★★
IDE

Local coding environment, with debuggers and other helpful features.

★★★★
UI tools

Languages that have styling aspects and we used to build our framework.

★★★★
Application Serve

An ef**fective platform runtime environment for running javascript**

★★★★
Deployment Environment

Microsoft cloud platform used for deployment of your web platforms.

★★
APIs

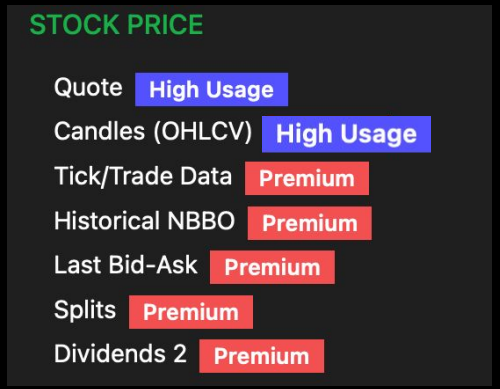
Finnhub was a better API, but premium issues, Polygon.io is free, but more limited. Both are finance API's.

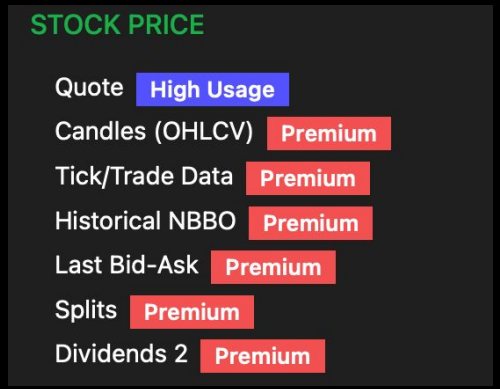
★★★
Testing Tools

mocha provides a testing framework, while chai improves it.

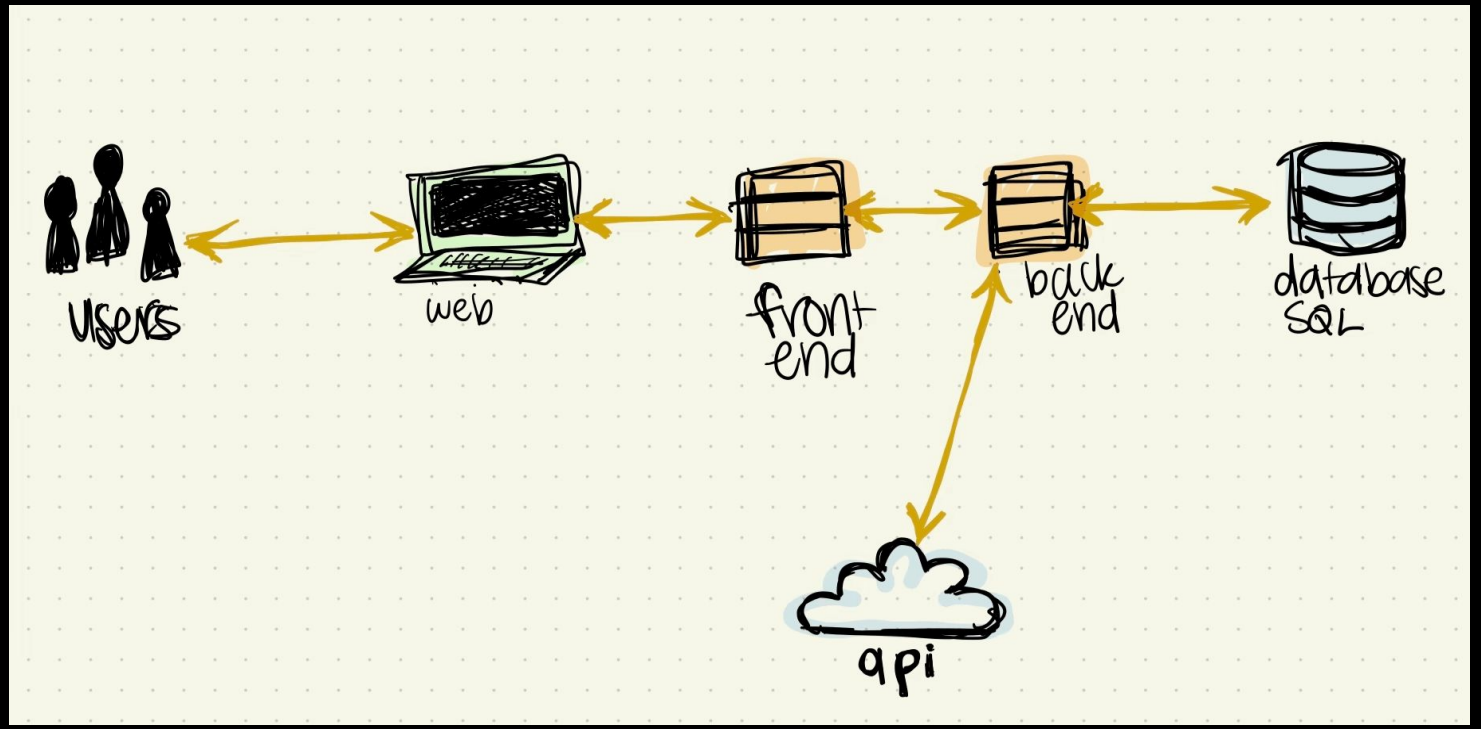
Challenges

- API = We used an api called Finnhub, and were pulling our main data from a section that became a premium feature overnight.
- Merge Conflicts
- Server Status/Redirect Bug
- general debugging





Architecture Diagram



Live Demo!!!

http://recitation-13-team-7.eastus.cloudapp.azure.com:3000/