



# STOCK 先生(Sensei)

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```
mirror.module.y - True  
mirror.module.z - False  
operation -- "mission 2":  
mirror.module.x - False  
mirror.module.y - False
```

## Application Description:

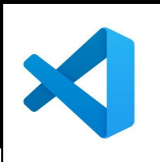
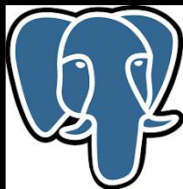
StockSensei is a comprehensive stock trading simulator designed for individuals eager to delve into the world of finance without the fear of financial loss. Users can create accounts, engage in risk-free simulated stock trading, and gain valuable insights into the dynamics of the stock market. The platform 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.

```

mirror_mod.use_y = True
mirror_mod.use_z = False
def operation == "mirror_z":
    mirror_mod.use_x = False
    mirror_mod.use_y = False
    mirror_mod.use_z = True

# Selection at the end, add back the deselected mirror modifier object
mirror_obj.select = 1
mirror_obj.selected = True

```



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 effective 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

### STOCK PRICE

Quote **High Usage**

Candles (OHLCV) **High Usage**

Tick/Trade Data **Premium**

Historical NBBO **Premium**

Last Bid-Ask **Premium**

Splits **Premium**

Dividends 2 **Premium**

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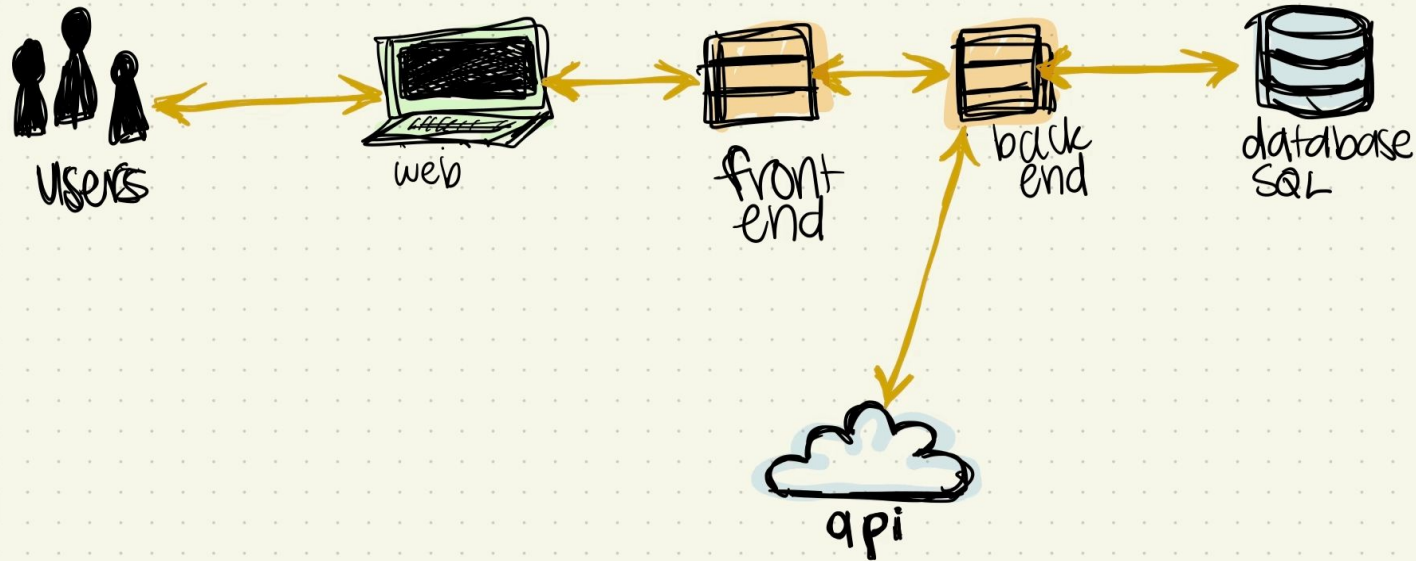
Historical NBBO **Premium**

Last Bid-Ask **Premium**

Splits **Premium**

Dividends 2 **Premium**

## Architecture Diagram



# Live Demo!!!

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