

Stock Trader Aider

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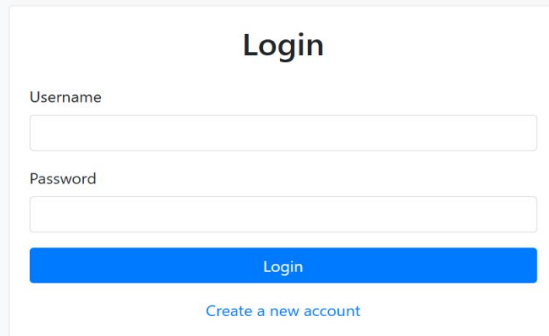
What is the Stock Trader Aider?

- It's a website for keeping track of one's invested stocks
- Features:
 - Signup/Login system
 - Seperate profiles for users
 - Invested Stock Information
 - Ad Free Experience

Our Approach

- Docker containers: components of program
 - Frontend: Website / User Communication
 - Backend: Pretty much all the dirty work (API)
 - Database: User Data / Stock Information
- Github: Storage of files
- Cloudlab: Hardware for cloud service

Current progress



The image shows a login form with the following elements:

- Title: Login
- Username label and input field
- Password label and input field
- Blue Login button
- Link: [Create a new account](#)

- Functional model for cloud program hosted locally on a computer
 - Website
 - Login
 - Personal Portfolio
 - Working Yahoo Finance API

Current progress (continued)

Welcome to Your Portfolio

Logout

Add Stock

Stock Symbol	Purchase Price (\$)	Current Price (\$)	Alert Percentage (%)	Status
AAPL	100.0	235.92999267578125	500.0	Monitoring
TSLA	200.0	272.0400085449219	300.0	Monitoring
PLTR	123.0	84.4000015258789	221.0	Monitoring
NVDA	102.0	115.98999786376953	300.0	Monitoring
INTC	20.0	21.32999923706055	25.0	Monitoring
T	18.23	26.219999313354492	40.0	Monitoring
SOFI	12.0	13.09000015258789	42.3	Monitoring
BAC	37.0	42.66999816894531	215.4	Monitoring
AMZN	170.0	203.8000030517578	92.34	Monitoring
CCL	31.0	21.90999984741211	20.45	Monitoring
MSFT	300.0	393.30999755859375	198.0	Monitoring

Technical Challenges

Bugs with python script

- Can not add additional shares of stock you already own
 - Once a stock is entered the price does not update

Security concerns

- Usernames and passwords are stored in JSON file
- Anyone with file can see all credentials

Planned Goals

Frontend

- **Get into container**
 - Make it look nice
- Include more information

Database

- **Get into container**
- Make Large Scale (utilize MongoDB)
 - Security: Encryption (Undecided method)

Backend

- **Get into container**
- Constant Update (2-5 seconds)
- Make program run automatically (Mon→Fri, 9:30 AM → 4:00 PM)

Stock fetching API

- Be able to add additional shares of stock you already own
- Be able to update price of stock

Q&A

Ask away!

Stock Trader Aider

- What is the Stock Trader Aider
- Our Approach
- Current Progress
- Technical Challenges
- Planned Goals
- Q&A

Login

Username

Password

Login

Create a new account

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Purchase Price (\$)

Alert Percentage (%)

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