

Stock_console implementation:

(I did not implement stock_GUI)

Instructions to run:

1. Download Lab2.zip file
2. Consolidate all files into one folder
3. Make sure the chrome driver is included in the right path.
4. Run “python3 stock_console.py” in the terminal to start the application and follow menu instructions to use the application.

Screenshots:

Homepage:

```
Stock Analyzer ---
1 - Manage Stocks (Add, Update, Delete, List)
2 - Add Daily Stock Data (Date, Price, Volume)
3 - Show Report
4 - Show Chart
5 - Manage Data (Save, Load, Retrieve)
0 - Exit Program
Enter Menu Option: █
```

Manage Stocks:

```
Manage Stocks ---
1 - Add Stock
2 - Update Shares
3 - Delete Stock
4 - List Stocks
0 - Exit Manage Stocks
Enter Menu Option: █
```

Add Stock:

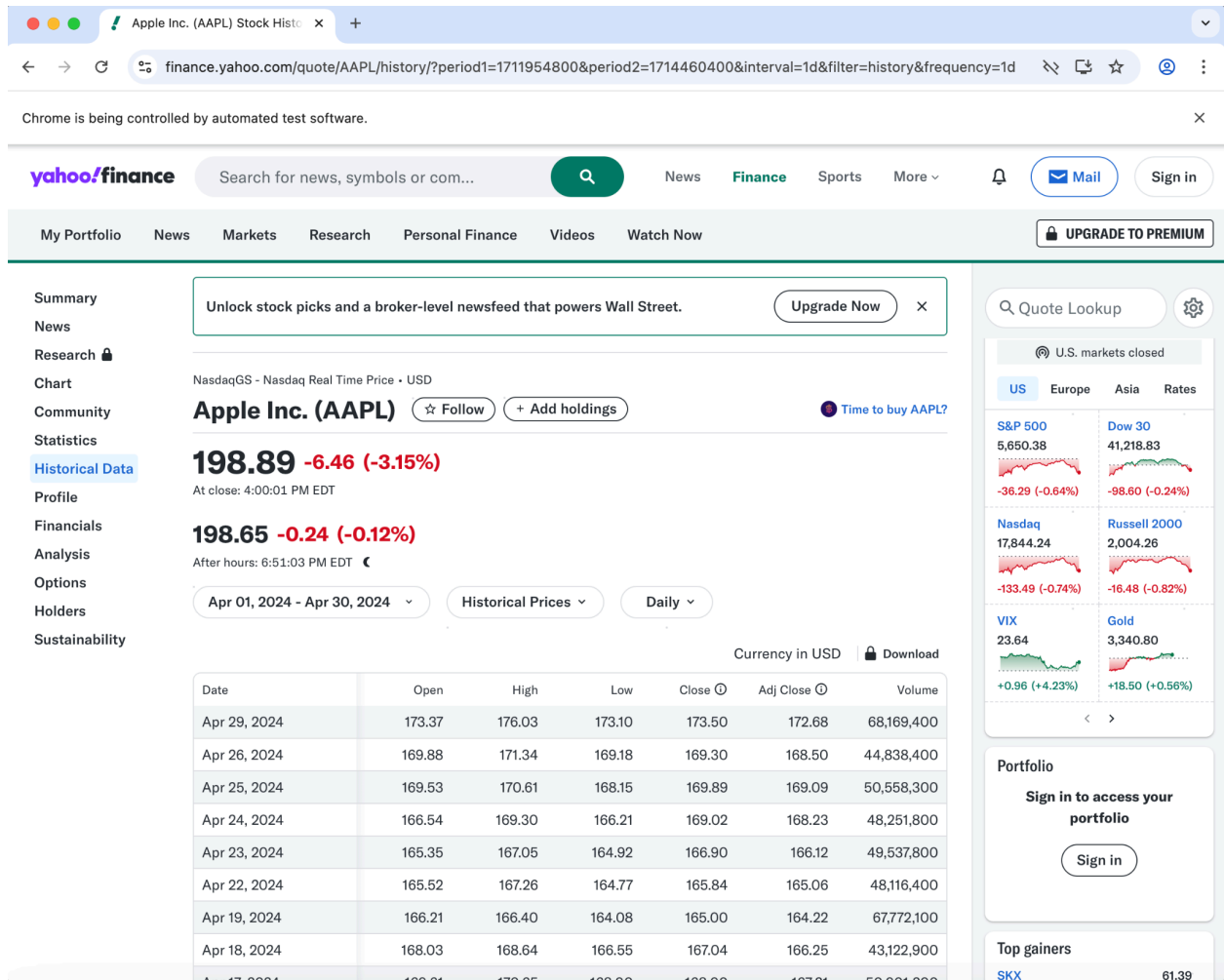
```
Add New Stock ---
Enter stock symbol: AAPL
Enter stock name: Apple Inc.
Enter number of shares: 10
AAPL added successfully.
Press Enter to continue...█
```

Manage data:

```
Manage Data ---
1 - Save Data
2 - Load Data
3 - Retrieve from Web
4 - Import CSV File
0 - Return to Main Menu
Enter Menu Option: █
```

Retrieve from Web:

```
Retrieve Data from Web ---
Enter Start Date (m/d/yy): 04/01/24
Enter End Date (m/d/yy): 04/30/24
21 records retrieved successfully!
Press Enter to continue...█
```



Show Report (Imported from web):

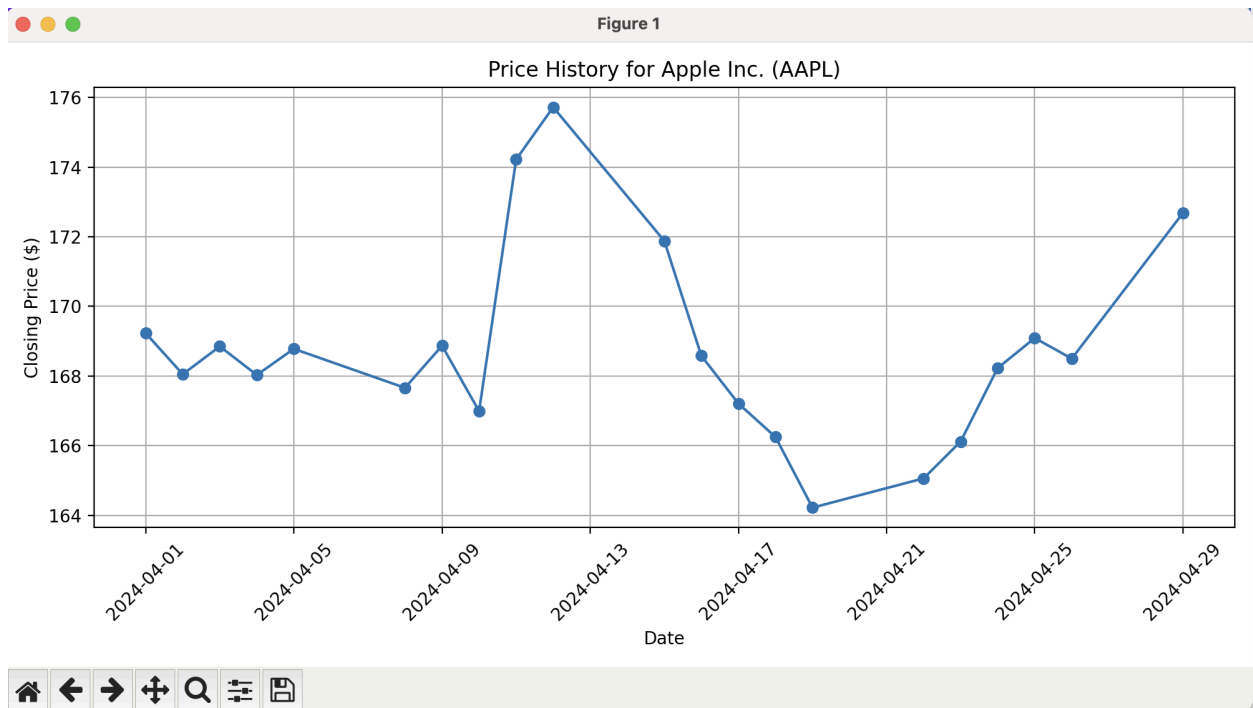
Stock Report ---

AAPL - Apple Inc. (10.0 shares)

04/29/24		\$172.68		Volume: 68169400
04/26/24		\$168.50		Volume: 44838400
04/25/24		\$169.09		Volume: 50558300
04/24/24		\$168.23		Volume: 48251800
04/23/24		\$166.12		Volume: 49537800
04/22/24		\$165.06		Volume: 48116400
04/19/24		\$164.22		Volume: 67772100
04/18/24		\$166.25		Volume: 43122900
04/17/24		\$167.21		Volume: 50901200
04/16/24		\$168.58		Volume: 73711200
04/15/24		\$171.88		Volume: 73531800
04/12/24		\$175.72		Volume: 101593300
04/11/24		\$174.22		Volume: 91070300
04/10/24		\$166.99		Volume: 49709300
04/09/24		\$168.87		Volume: 42451200
04/08/24		\$167.66		Volume: 37425500
04/05/24		\$168.78		Volume: 42055200
04/04/24		\$168.03		Volume: 53704400
04/03/24		\$168.85		Volume: 47691700
04/02/24		\$168.05		Volume: 49329500
04/01/24		\$169.23		Volume: 46240500

Press Enter to continue...■

Show Chart (Imported from web):



Import CSV:

```
Import Data from CSV ---
Enter stock symbol to import for: AAPL
Enter full path of .csv file: AAPL.csv
CSV data imported successfully.
Press Enter to continue...
```

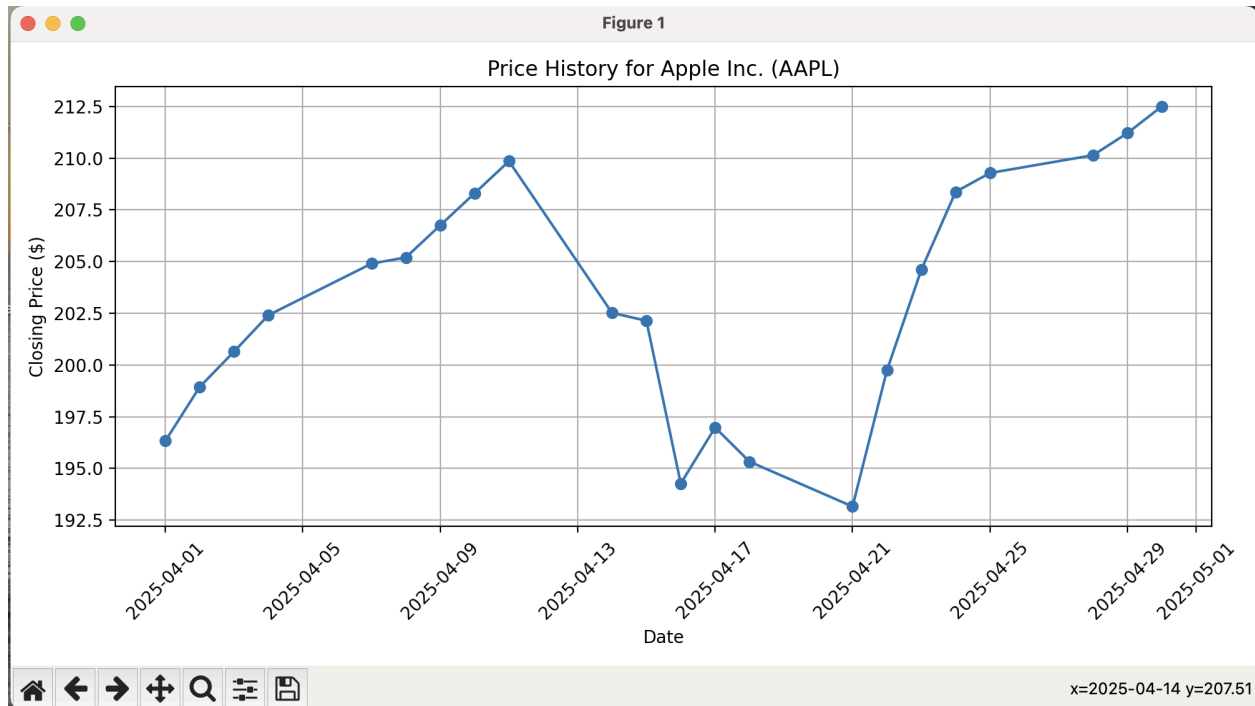
Show Report (Imported from CSV):

Stock Report ---

AAPL - Apple Inc. (25.0 shares)

04/01/25		\$196.33		Volume: 48234000
04/02/25		\$198.94		Volume: 50112000
04/03/25		\$200.65		Volume: 53498000
04/04/25		\$202.41		Volume: 49723000
04/07/25		\$204.90		Volume: 51350000
04/08/25		\$205.20		Volume: 48910000
04/09/25		\$206.75		Volume: 51042000
04/10/25		\$208.30		Volume: 52887000
04/11/25		\$209.85		Volume: 53260000
04/14/25		\$202.52		Volume: 101352900
04/15/25		\$202.14		Volume: 51343000
04/16/25		\$194.27		Volume: 59372000
04/17/25		\$196.98		Volume: 51334000
04/18/25		\$195.33		Volume: 50289000
04/21/25		\$193.16		Volume: 46742000
04/22/25		\$199.74		Volume: 52976000
04/23/25		\$204.60		Volume: 52929200
04/24/25		\$208.37		Volume: 47311000
04/25/25		\$209.28		Volume: 38222300
04/28/25		\$210.14		Volume: 38743000
04/29/25		\$211.21		Volume: 36827600
04/30/25		\$212.50		Volume: 52286500

Show Chart (Imported from CSV):



Exit:

Goodbye

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