Instructions for Excel/Web Script

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Before starting: This script will only work on **Mac OS** computers.

This program has the goal of parsing an .xlsx file and retrieving information from the CNBC Investing Club Website or Yahoo Finance and output both sets of data into a single .xlsx file.

1. Understanding main Folder's contents:

After unzipping excelWebScript.zip file, a folder named **excelWebScript_Upgrade_02_2024** folder should appear in the same directory.
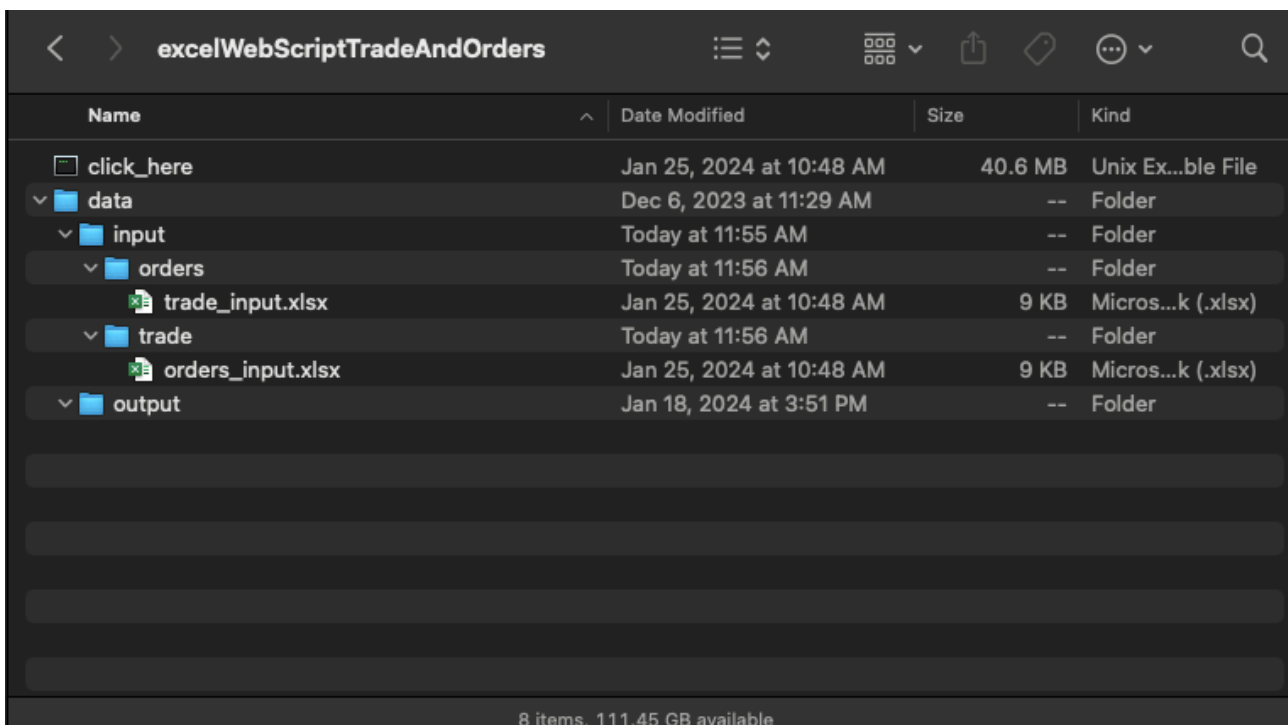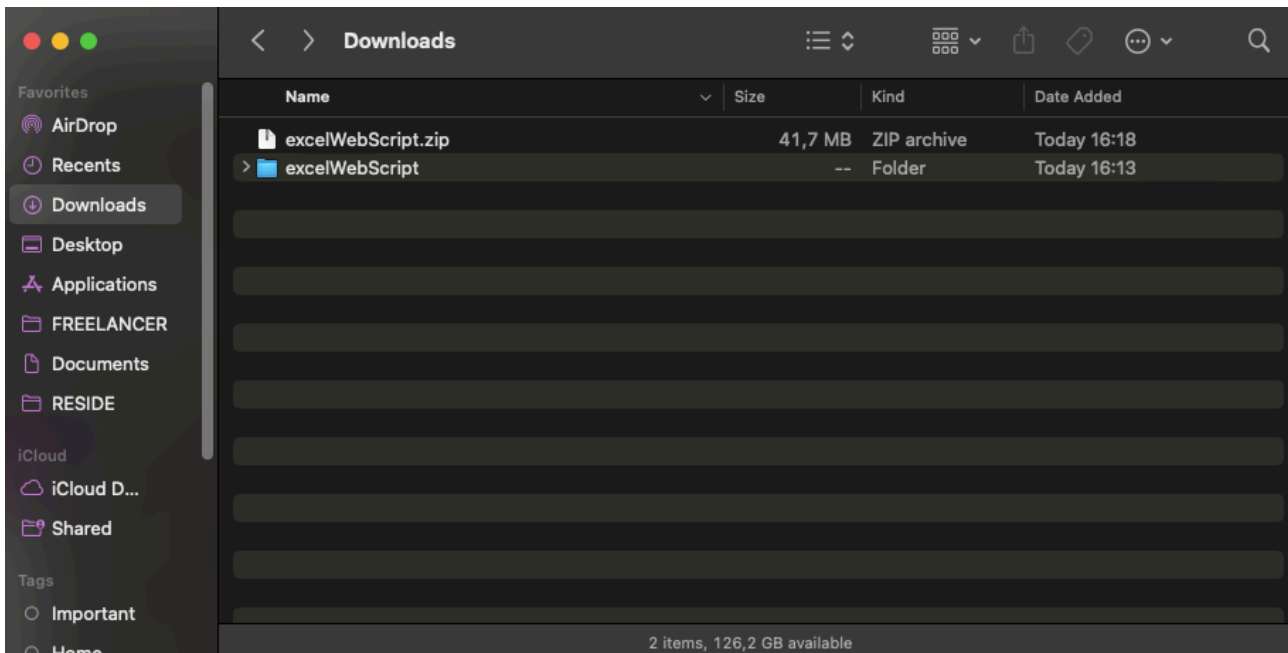
The folder should contain an executable file named **'click_here'**, which is the main program and a folder named **'data'**.
Inside the 'data' folder there should be two additional folders named **'input'** and **'output'**. The **'output'** folder will have 2 additional subfolders: **trade** and **orders,** in which the downloaded content from TDAmeritrade should be added accordingly.

The output folder will contain the final parsed data, available when the program is concluded.

If just the **Trade option** is selected, the output will contain the **parsed Trade Data** in its **first sheet (Sheet1)**.

If just the **Orders option** is selected, the output will contain the **parsed Orders Data** in its **first sheet (Sheet2)**.

If both **Trade and Orders option** is selected, the output will contain the parsed data for **Trade in Sheet1** and the **parsed data for Orders in Sheet2.**
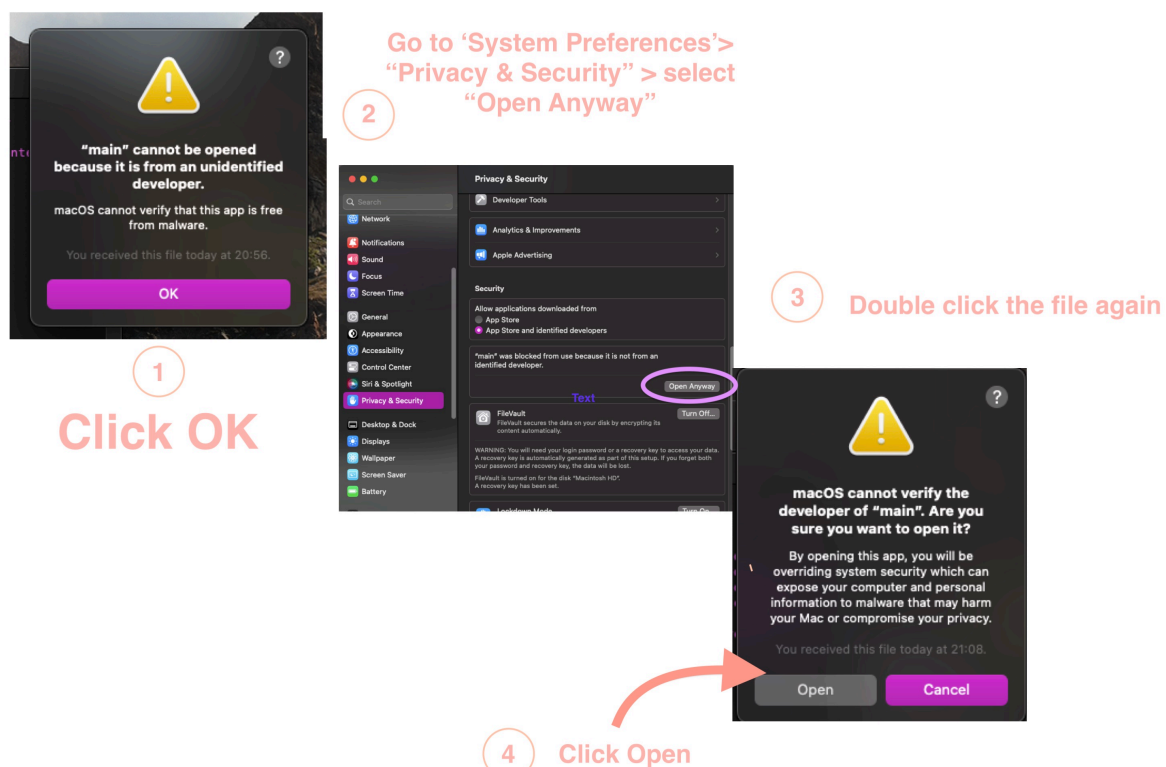
2. Input XLSX format - Trade Option.

The input .xlsx file should have its **headers** named in following **order**: **'Date', 'Description', 'Quantity', 'Symbol', 'Premium' and 'Amount'.**

3. Running the program

After making sure the .xlsx file(s) is/are in the correct format and directory, the main program (click me) can be safely initiated. To initiate it you just need to double click the file.

* Reminder * if it's the **first time** running this executable in your machine, you will need to clear the permissions in the system preferences. To do this, follow these steps:

Go to 'System Preferences'>
"Privacy & Security" > select
"Open Anyway"

2

Click OK

1

3 Double click the file again

4 Click Open

After double clicking the executable file, a choice menu will appear:

```
ele , exit,
Menu:
1. Run Trade Mixer
2. Run Orders Mixer
3. Run Trade and Orders Mixer
0. Exit
(Enter your choice (0-3):█
```

You should proceed to enter:

1 for Trade
2 for Orders
3 for Trade and Orders
0 for exiting the program.

After entering the number, press **Enter.**

4. Errors

The program's functionality may cease in the following cases:
• There is no internet connection.
• The input .xlsx file(s) might not follow the correct structure (as described above)
• There is no .xlsx file in the input directory.

If the source for the CNBC data (open and mkt beta fields) presents issues loading the page, or anything else that makes the scraper unable to retrieve information, then the particular value will be replaced by 'Data not available' or 'N/A'.

5. Showing saved file

When the program concludes, it will show the directory path where the output file will be located (data/output), as it is shown above.
The file will be named accordingly with the chosen option (Trade, Orders or Trade and Orders):
    TDA_YAHOO_CNBC_DATA_TRADE_DATA_%Y-%m-%d_%H-%M-%S.
    TDA_YAHOO_CNBC_DATA_ORDERS_DATA_%Y-%m-%d_%H-%M-%S.
    TDA_YAHOO_CNBC_DATA_TRADE_AND_ORDERS_DATA_%Y-%m-%d_%H-%M-%S.

The file will follow the format provided by the client. It will contain the following headers:
• Current Date
• Trade date-entered
• Option Expiration date
• Days till exp (trade date)
• Days till exp (current)
• Order expiration date "time in force"
• Days till expiration (if an order)
• Strike
• Underlying symbol

- Underlying price at the time of trade
- OTM (Out of the Money) at the time of trade
- Underlying price, current
- OTM, current
- Weight
- Weighted OTM
- Market beta
- Type
- Market beta * market price * contracts
- Quantity
- Market price * number of contracts
- Trade Price/premium
- Trade price as a percentage of notional
- Annual yield at strike at the time of trade
- Yield on cost at the time of trade
- Multiple on cost
- Yield at the current market price at the time of trade
- Premium
- Last 4 months (including the current one)
- Cash if exercised
- Days >>
- Next 9 Fridays

For any further questions, you can send an email to beatriztcarvalheira@gmail.com or send me a direct message through Upwork.