40.317 Homework 3

This assignment is due at 11:59 p.m. on Friday 26th June. You may complete it with a partner; if you choose to do so, be sure to list both of your names on all your submissions.

Use the PySimpleGUI package to create a working graphical client for the holdings manager server you wrote for Homework 2. Its appearance should closely resemble the screen shot below. Its behaviour should closely resemble the behaviour demonstrated in Lecture 9 on 16th June.

Perform the following setup steps before you start working:

1) Install PySimpleGUI by running
   `pip install pysimplegui`
   in a command prompt.
2) Add the two provided .ttf files (Gotham Book.ttf and Gotham Bold.ttf) to your laptop's set of available fonts. The specific steps are of course different for Windows versus MacOS. You can find the instructions for your operating system online.

To receive credit for this assignment, you must submit:

- Your completed GUI client script.
- Your holdings manager server from Homework 2, for testing your GUI client.
- A screen recording of your GUI client in action, showing it works as expected.
    - This recording should be at most 1 minute long.
    - Instructions for making a screen recording on Windows 10 and MacOS are here and here. If making this recording turns out to be difficult, a series of screen shots is also acceptable.
- (There is no requirement that your code have zero warnings from pycodestyle.)

Additional suggestions:

- There are many clearly written demo programs which can help you.
- Do not hesitate to read through the PySimpleGUI source code itself.

Holdings Manager

Balances

Shares	Cash
50	300.00

Deposit Cash

1000.00 **Deposit**

Buy Shares

Quantity	Price per Share
10	10

Buy

Sell Shares

Quantity	Price per Share
10	8

Sell

Close Server & Quit

08:41:31: Buy VWAP=10.00, sell VWAP=8.00