Sprint Overview

This sprint will continue to focus on the trading bot aspect of MaxTrade. The main focus will be working on the user back end to be able to execute trades as inputted by the user, and working on displaying user positions.
Some potential challenges will be that I need to learn how to use the robin_stocks api to sell positions of the user, and display to the screen when something has sold or a sell order has been placed.

Current Sprint Detail

Add Sell Backend

1. Upon user entry in GUI of stop loss and take profit for a ticker, send this info to robinhood backend where it will be saved in file, and update local variables for scanning.
2. Once backend has user info, check for each entered position if the stop loss or take profit is reached, and place sell order with `robin_stocks.orders.order()`. Signal to front end to print that sell order has been placed for target loss or gain %.

If the selling backend works I expect that if a stop loss and take profit are set for a current position, and one of the two is reached, then the bot will sell the position, and print to the user that it has done that.

Add Login Popup Window

1. If the user is not already logged in, using QT create a popup window prompting the user for username and password to login.
2. Add login button below fields
3. Connect user inputted fields to robinhood backend

For the login popup window to be working, I expect that only if the user is logged out, the window will appear on startup, and prompt the user for username and password. Once these are entered, the user should be logged in, the popup window should close, and the user positions should load on the screen.

Backlog

1. Add Bot loading gif 2. Add open option positions as well as stock positions
1. Begin working on the scanner aspect. Add different things which the user can select (Volume, price, IV percentile, RSI, MA) 2. Query yahoo finance to get price data for each ticker, begin with most exclusive factors like price. 3. Print output as “watchlist”
1. Add GUI interface to scanner. 2. Add Scanner tab to application.

3. Add sliders for each factor, as well as a text box. 4. Add a scan button, with loading gif. 5. Add output box for results, and option to save to file.
1. Begin working on the analysis portion. 2. Set up AWS server 3. Add mysql database to it 4. Begin pulling and storing data in database
1. Create another tab in GUI for analysis. 2. Create a basic graph using a ticker and queried data.
1. Add overlaying MA to graph. 2. MA will be calculated client side.
1. Add Volume subgraph underneath current graph. 2. Add RSI graph option to graph
1. Pull news feed from morningstar and place it on GUI interface.