Project Update CSCI 3010

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1 Change Report

1. I am still planning to use a Factory pattern for my strategies, and I think I will also implement a factory pattern for the creation of the app itself so I can test different configurations

2. I am going to have to implement something to cause the program to hang, like calling sleep for a minute in between api calls because only 5 are allowed per minute.

3. I am moving the add strategies portion off of the register page so that functionality isn't working right now if you dont have my database exactly and aren't already registered.

4. I am not sure if I can make get requests to the app to send emails, so I might have to do the emailing from inside of each individual class which needs to do it, because when I tried the app just hung. It looks like I need to configure it for multi-threading if I want to make requests to myself and let another thread handle it. So, I will explore those options and see which seems more feasible.

2 Status Report

I can now successfully make API calls and check whether certain indicators have been triggered with the app! Also, I have it set up to run scheduled tasks but I am working on ironing out the functionality of actually putting the api calls into that schedule.

I set up an email for my app and users who are signed up can request an email once they are registered and on their account page. Also, if you feel like spamming me, itll email me any time you visit localhost:5000/MailMe. I am gonna hook it up so I can send requests to there from inside the app with the current logged in users id to send an email.

Also, right now if you boot it up it will run what I'm planning on having as the daily check functionality, but it'll only run once unless you leave it up for a full 24 hours. However, it is working and if there were enough registered users

and their strategies were triggered it would email them! The DailyChecker is fully integrated with the Strategy object and is successfully making api calls for the 'daily' users for their particular strategies. The app will also, as an example of scheduled tasks that you don't have to wait so long for, continuously print "1 2" every 20 seconds.

So, in summary, I do have all the individual components functioning but still need to iron out them working together.

Also, I added in some super cool embedded stock visualization widgets.

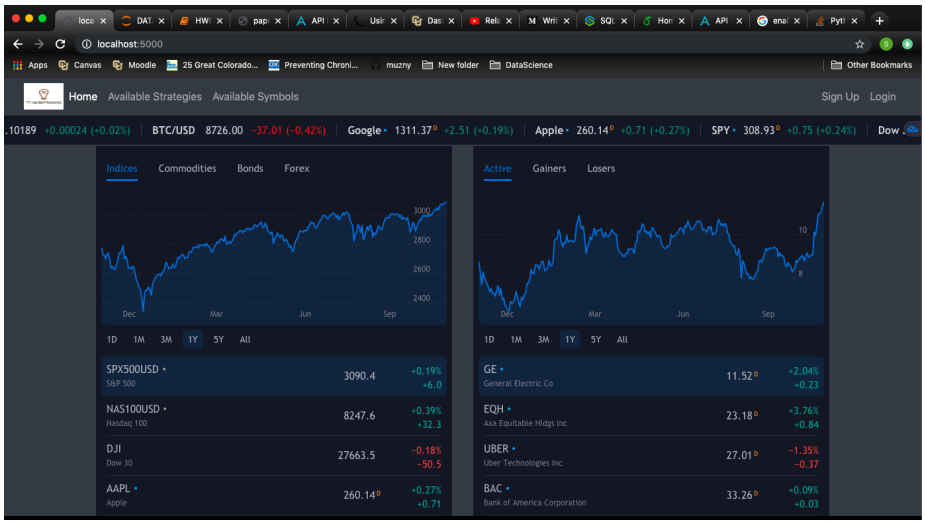

Figure 1: Home Page

3 Plan for next checkpoint

My plan for the next checkpoint is the following:

1. Create the separate "edit strategies" page where users can delete, change, or add new strategies
2. Do a LOT of debugging with the scheduler and email functionality and make sure it is making API calls for the right users and notifying them
3. Format the emails so they actually contain content which tells the user why the email is being sent
4. Polish up the front end
5. Add some descriptions of strategies to Available Strategies page
6. refactor app initialization so it is an app factory which can take in different configurations

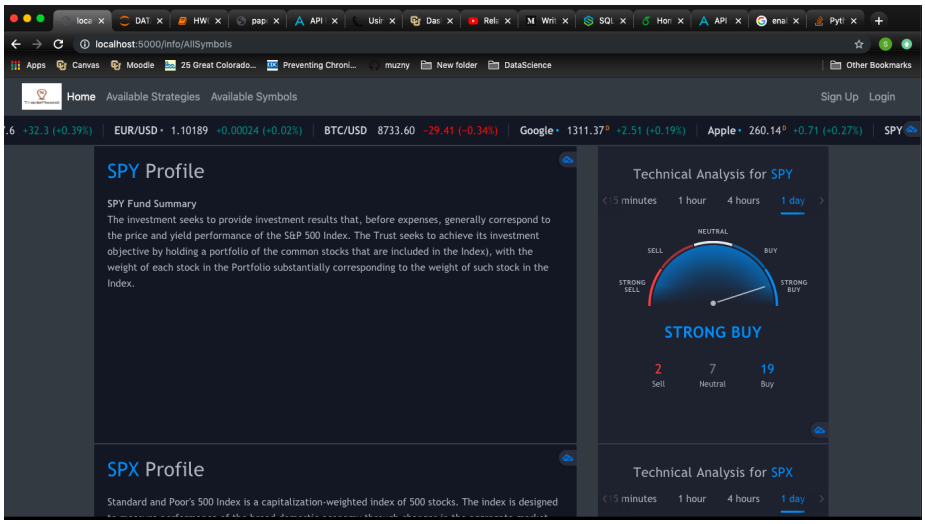

Figure 2: All Available Symbols

Figure 3: All Strategies Page

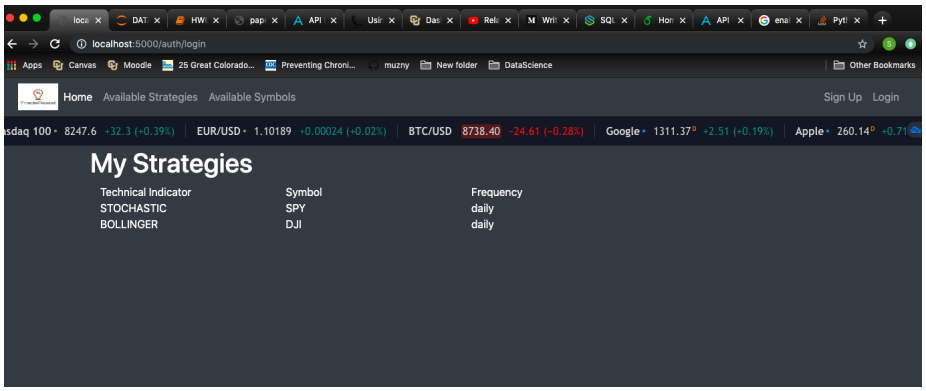

Figure 4: My Strategies after logging in

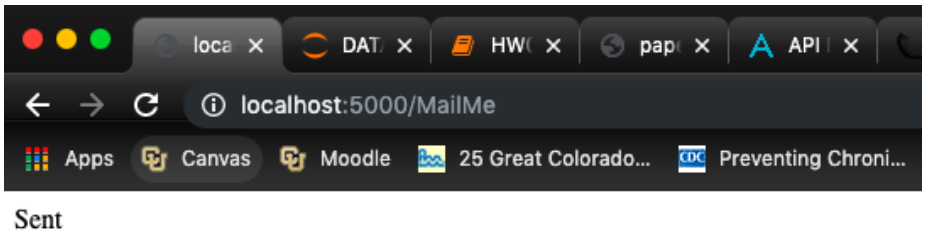

Figure 5: Made a get request at localhost:5000/MailMe

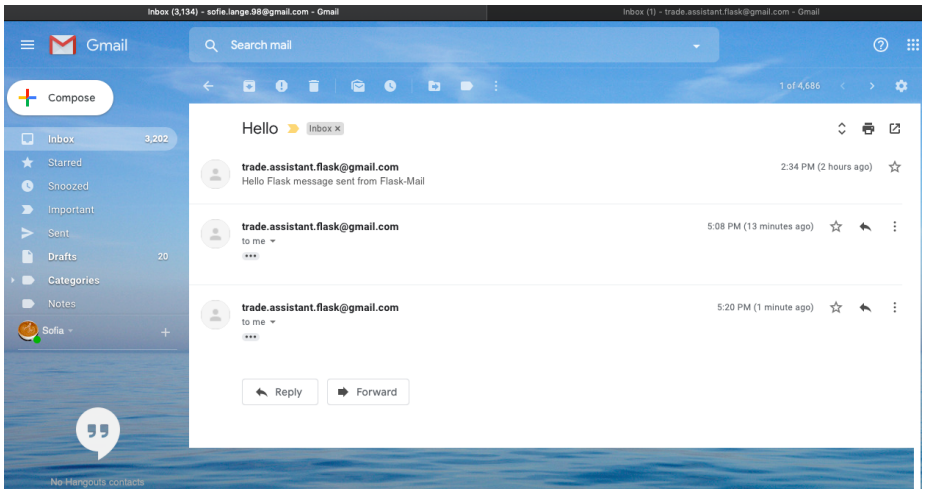

Figure 6: All of my debugging emails

7. set up a few unit tests