**Stock Price Notifier**

First of all it essential to have python and flask setup in the desktop. I already had python so I installing flask was required. Initially I created a virtual environment for this project then I installed flask and other dependencies. So I initialized my environment after that. I then created an app.py file to set up my flask project.

The home.html file is located in a templates folder. I then created a route from app.py to the home page. Users may input the stock ticker symbol, the price threshold, and preferences for the frequency and kind of notifications using the form on the homepage. I created a style.css file to give an user friendly interface to the page.

I then sent http queries to the API using the requests library in order to obtain the data in JSON format. The stock's current price is then determined by parsing the stock data. The price is then compared with the user-specified threshold using the compare\_price function. Use the user-specified notification mechanism to notify the user if the current price is more than or equal to the threshold (eg: email or text message).

I then used a scheduling library called APScheduler to schedule the frequency at which the stock price is checked by having a task execute on a regular basis. I used smtplib to deliver notifications through email or text message. You may send phone messages using Twilio. In order to send the user a message notice, I utilized the open source package gammu.

Then I tested the application by running flask run on my terminal to make sure it is working properly.