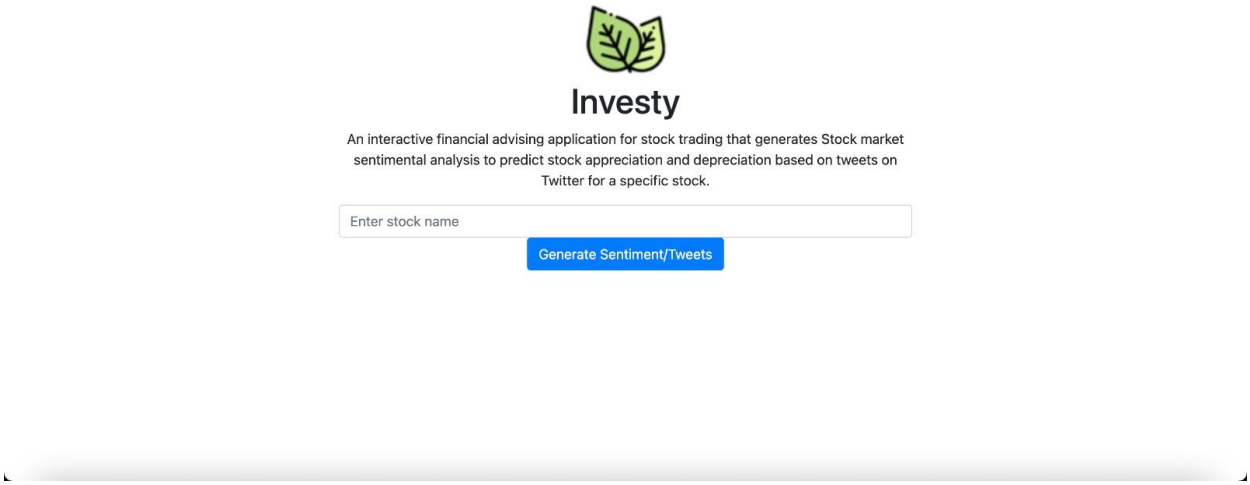
CS 410 Progress Report

Task	Completed	Pending	Challenges
Front-end website	Built initial layout of text, search bar and a 'call-to-action' button. Code in HTML and styled using bootstrap CSS.	Make button press trigger a sequence of events that will start with a call to the sentimental analysis model and which eventually ends with output for the user.	Making sure the layout was formatted correctly using the bootstrap CSS. Styling nested components of the webpage was difficult at first.
API (internal)	Built API with Python and Flask. Completed basic framework for API and tested simple route. Code in api.py	Create a get request route that will call the sentimental analysis model and return if the stock price will increase or decrease.	While building the API, I needed to understand how to integrate flask and python in the implementation.
Backend model	Got the training and testing data from kaggle, understood it, cleaned it up for training the model Applied for the Twitter API access and am waiting to hear back Code in model.py	Have to train the model and test it to tune the parameters to improve accuracy Have to set up the pipeline for getting all tweets from Twitter API for that day	Understanding the data was a challenge at beginning and then also researching about various sentimental analysis models and deciding one model to use was a challenge


Investy
An interactive financial advising application for stock trading that generates Stock market sentimental analysis to predict stock appreciation and depreciation based on tweets on Twitter for a specific stock.
Enter stock name
Generate Sentiment/Tweets