

# **Team Red Pandas - WallStreetBets Tracker**

ITSC 3155 Final Project Report

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## Software Repository

<https://github.com/hcy0227/ITSC-3155-Team-Red-Pandas-FinalProject>

## WBS tool

Our team chose to use Trello as a way to break down milestones into tasks with descriptions for what most of the tasks were and what were required of them. Additionally, we used it to both assign tasks to certain members and to keep track of who was working on what in the areas that were not assigned. Our team also found it to be very useful to leave comments on a task we were working on independently to identify anything that had come up during the work, to address any issue, or to hold information that may be needed in the future. We also used the checklist feature of the tasks to keep track of requirements or sections of a task if it was needed. The following link is for our group Trello board for the project, created by Ian Zheng:

[Final Project Workflow | Trello](#)

## Installation

A zip file containing the GitHub repository and the virtual environment for running the app is provided along with this submission. The repository contains documentation of the app, its source code, and the data the app needs to run. It is best practice not to include virtual environments or workspace settings inside of repositories because paths can vary across different computers or users who might use the code. In order for the project to be set up to run, the zip file simply needs to be extracted to some place.

If the virtual environment does not work for some reason, then simply ensuring the system's python3 environment has the necessary packages can be done using the following command inside of the root directory of the git repository.

```
python3 -m pip -r requirements.txt
```

The executable name for python can vary across systems, but on your own system, it should be known whether it's python, py, python3, or something else

## Running

Open a terminal inside of the `ITSC-3155-Team-Red-Pandas-FinalProject/src` directory and run the following command to start the app:

```
./"../../venv/Scripts/python.exe" app.py
```

This will run the main app.py file using the virtual environment's python interpreter rather than the system's default python interpreter as would be the case if simply running `python app.py`

It is **imperative** that the app be run with `ITSC-3155-Team-Red-Pandas-FinalProject/src` as the working directory so the relative location of the data directory is found properly. If the following error occurs when the app starts up, then you are not running the app from the correct working directory, and need to navigate to the directory using the `cd` command.

```
FileNotFoundError: [Errno 2] No such file or directory:  
'../data/NYSE_stock_tickers.csv'
```

When the app is running and no errors occur in the terminal, the output should display like below, and the app can be viewed in a web browser following the link shown:

<http://127.0.0.1:8050/>

Dash is running on `http://127.0.0.1:8050/`

\* Serving Flask app "WallStreetBets Tracker" (lazy loading)

\* Environment: production

WARNING: This is a development server. Do not use it in a production  
deployment. Use a production WSGI  
server instead.

\* Debug mode: on