This trading bot will compare three trading strategies in a fun game. It will show the effect and benefits of neural networks when used in trading and compare that to simply buying a stock and holding it through the market changes. Users will have the opportunity to try to beat the market in any of the major stocks of the S&P 500 and be educated on the inefficiencies of manual day trading. Seeing the benefits of deep learning trading will convince budding stock market enthusiasts to make decisions to make the best return on their investments.

The Neural Nets will be built using Tensorflow and displayed using MatPlotLib. The app currently is planned to be built using PyQt which I will then hopefully embed the MatPlotLib graph into a PyQt window.

After the player have had their hand at “playing the market” the results of the Tensorflow model will display as well as resources for learning more about the dangers of day trading. I will be looking into hosting the application on AWS though I am not sure how you can host a PyQt application on AWS so this may not happen (or I may find a way). This is one of many unknowns in my project.