**Team Members Period**

Sihao Huang 10

Lorenzo Schneiderman

**Team Name**

LongXShortY

**Project Title**

Neural Network-based stock trading system

**I. Project Idea**

Implement a backpropagating neural network that is able to predict market movement and effectively generate live actionable data for S&P 500 component stocks.

**II. Critical Features**

* Retrieve live market data from financial data providers, and retrieve fundamentals for the requested stock (P/E, EPS, Market Cap, etc)
* Provide a pool of technical analysis tools as ANN convolutions
* Display prediction confidence interval, predicted price change, and stock information in a graphical interface

**III. To be added later Features**

**IV. Development stages:**

**V. Diagrams of features:**