* **Project Name and Team Member:**
  + **Name:** Financial Analysis using Yahoo Finance data
  + **Member:** Chuanzhou Zhang
* **Problem to Solve:**
  + **Correlation of Stock Price Drivers:** Determining what factors drive stock prices (margin, revenue, or assets).
  + **Stock Price Fluctuation:** Analyzing if company stock prices correlate with industry average changes.
* **Data Collection:**
  + Prepare a list of companies (e.g., AAPL, JBLU, AMZN, GOOG, etc.).
  + Use web scraping (Beautiful Soup) to gather data from Yahoo Finance, including various metrics like 52-week change, moving averages, revenue growth, earnings growth, etc.
* **Analysis and Visualizations:**
  + **Overview:** - Present data on the number of companies from each industry or distribution graph by companies’ size.
  + **Correlation Map:** - Create a correlation map between different features/metrics.
  + **Company Financial States:** - Analyze a few companies deeply, using visualizations such as time series (e.g., close price over time). - Parameters like symbol, price, profit margin, revenue per share, quarterly earnings growth, 52-week change, S&P 52-week change, average volume, etc., could be compared and visualized.

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| symbol | price | profit margin | revenue per share | quarterly earnings growth | 52 week change | s&p 52 week change | avg volumn  3 month | Industry |
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