**Problem Statement**

**Primary User**

Any individual who wants to track the stock prices by industry or sector.

User need

As a user, I would like to create different categories, sector and historical prices/information and sort them by key parameters like highest, lowest closing price and stock graph. The user would only provide industry or sector and the program will output all companies based on that particular industry. The list will be shared in the CSV format. The application would retrieve data from the NASDAQ website and organize them in way to provide user basic information

**Information inputs**

User inputs would include a data range from stock market. NASDAQ website will be used to collect information

Outputs: outputs in the format of US dollars and strings

**Technology requirements**

APi

Bloomberg API to access data on current market trades, either real time or delayed and historical information. \*NASDAQ website for downloading the number of companies.

**Python package requirements**

Pip install requests

Pip install pytest

Matplotlib

Pandas

Python3

**Hardware Requirements**

The application will be running on my own local machine only