**Instructions to setup the project**

The Flask application is ran with a localhost server (IP address 127.0.0.1:5000)

* To run backend

1. Open code in an IDE
2. Open terminal and navigate to StockPortfolioSuggestionEngine/backend
3. run command pip install -r requirements.txt
4. run command pip install --upgrade Flask
5. run command pip install --upgrade Werkzeug
6. run command set FLASK\_APP = ‘app’ (use ‘export’ instead of ‘set’ for Linux machine)
7. run command flask run

* To run frontend

1. Open terminal and navigate to StockPortfolioSuggestionEngine /client
2. run command npm install
3. run command npm start

**About Project:**

Input

User will input dollar amount to invest in USD (Minimum is $5000 USD)

Pick one or two investment strategies:

- Ethical Investing

- Growth Investing

- Index Investing

- Quality Investing

- Value Investing

The engine needs to assign stocks or ETFs for a selected investment strategy. E.g.

Index Investing strategy could map to the following ETFs:

- Vanguard Total Stock Market ETF (VTI)

- iShares Core MSCI Total Intl Stk (IXUS)

- iShares Core 10+ Year USD Bond (ILTB)

Ethical Investing strategy could map to these stocks:

- Apple (APPL)

- Adobe (ADBE)

- Nestle (NSRGY)

Each strategy map to at least 3 different stocks/ETFs.

Output:

The suggestion engine will output:

- Which stocks are selected based on inputted strategies.

- How the money is divided to buy the suggested stock.

- The current values (up to the sec via Internet) of the overall portfolio (including all the stocks / ETFs)

- A weekly trend of the portfolio value. In order words, keep 5 days history of the overall portfolio value.