

Documentation

1. Open VS Code and create 2 file python :
 - company_index.py
 - company_profile.py
2. Web Scrapping using BeautifulSoup 4 library :
3. Open command prompt and type :

```
$ Pip install bs4
```
4. Get the value of company information from this link:
<https://www.sgmaritime.com/company-listings>
5. Save the output after finishing web scrapping as .csv format :
 - company_index.csv
 - company_profile.csv
6. Convert file .csv format into .json format using online converter from this link :
<https://www.csvjson.com/json2csv>
7. After convert the file and then save the file .json :
 - company_index.json
 - company_profile.json
8. Install MongoDB database to store the data to MongoDB database
9. Open terminal and type this to import .json file to MongoDB database :

```
$ mongoimport --db dbName --collection  
collectionName --file fileName.json -jsonArray
```
10. Follow this through to get automatically create database & collection :
 1. Open new terminal and type this to activate MongoDB server:

```
$ cd C:\Program Files\MongoDB\Server\3.6\bin  
$ mongod
```
 2. Open new terminal, type:

```
$ cd C:\Program Files\MongoDB\Server\3.6\bin  
$ mongo
```
11. Open new terminal and install Flask API Framework :

```
$ pip install flask
```

12. Create file python to build Flask API Framework :

- API_company_index.py
- API_company_profile.py

13. Create database.yaml file for import the data from MongoDB database and type like this below:

```
uri : 'mongodb://localhost:27017/dbName '
```

14. Create templates for import the html to the python file:

- Home1.html
- Home2.html

15. Finally run the server to provide an API to search company information and apply filters.