

Assignment 5: Elasticsearch

Title: Assignment 5 (Elasticsearch)

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Dependencies:

Python 3.7 (<https://www.python.org/downloads/>)

Elasticsearch (<https://www.elastic.co/downloads/elasticsearch>)

Flask 1.0.2 (<http://flask.pocoo.org/>)

Bootstrap 4.3 (<https://getbootstrap.com/>)

PyCharm (<https://www.jetbrains.com/pycharm/download/>

#section=mac)

MacOS 10.14 (<https://www.apple.com/mac/>)

Build Instructions:

```
$ pip install -U Flask
```

```
$ pip install elasticsearch
```

```
$ pip install elasticsearch-dsl
```

Run Instructions:

To start the application:

```
>>> python query.py
```

To terminate the application, use control-c

To use the application within a browser, use the url: <http://127.0.0.1:5000/>

Modules: elasticsearch, elasticsearch-dsl, Flask

Folders: template folder stores all jinja2 templates

Testing: Tested by searching manually.

Query examples: good day, king of sweden, hello, hello world xxx, xxx
dsarwe cfrfwe, 西虹市首富, and blank

Benchmark: Generate the index file cost about 1sec