

# COMP0034 CW2

April 2024

## 1 Web app

There are 4 pages of my web app: All the pages work properly.

Welcome to Motion Prediction App [homepage](#) [register](#) [login](#)

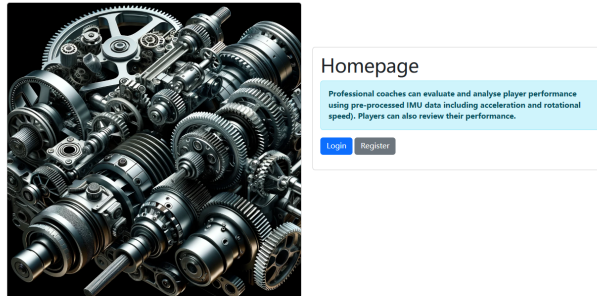
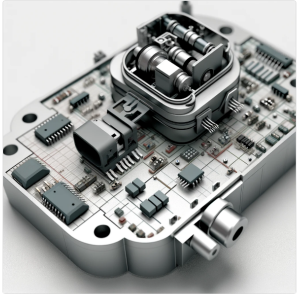


Figure 1: The homepage

Welcome to Motion Prediction App [homepage](#) [register](#) [login](#)



### Register

Trainer\_ID:

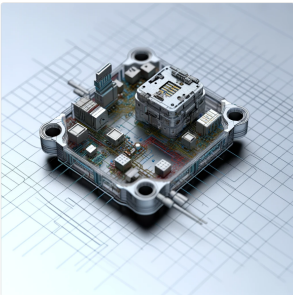
Player\_ID:

Password:

Role:

Figure 2: The Register page

Welcome to Motion Prediction App [homepage](#) [register](#) [login](#)



### Login

Role:

ID:

Password:

Figure 3: login page

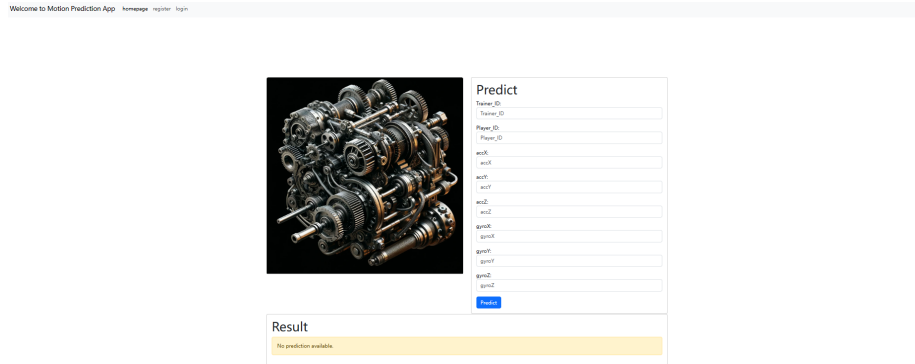


Figure 4: Prediction Page

## 2 Tests

### 2.1 Local tests

I type in pytest in working directory in cw2, 5 tests are performed in total :

```
(.venv) PS E:\comp0034-cw21-king-in-black\src\blueprints> cd E:\comp0034-cw21-king-in-black\
(.venv) PS E:\comp0034-cw21-king-in-black> pytest

DevTools listening on ws://127.0.0.1:45720/devtools/browser/2c4d6914-3d55-4eeb-8648-6884d5511a7
DevTools listening on ws://127.0.0.1:45447/devtools/browser/899b7102-fa0f-47fa-8add-e5a657b7310a

===== 5 passed in 199.96s (0:03:19) =====
(.venv) PS E:\comp0034-cw21-king-in-black> pytest
```

Figure 5: Local Test

### 2.2 CI

I apply proper workflow on CI: 2 yamls are using : One is for pylint : One is for Selenium test:

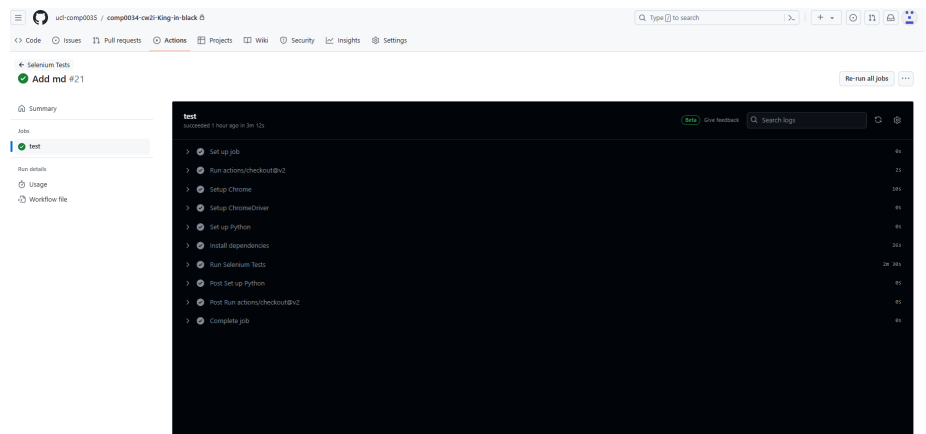


Figure 6: Selenium Tests Successfully

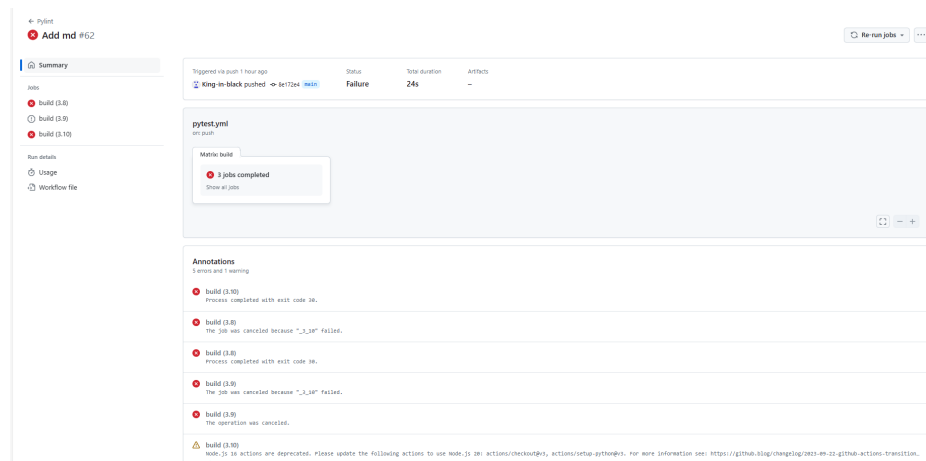


Figure 7: Failure in pylint(scoring not high)

## 3 Tools and Techniques

### 3.1 Black Package

```
(.venv) PS E:\comp0034-cw2i-King-in-black> cd tests
(.venv) PS E:\comp0034-cw2i-King-in-black\tests> black .
reformatted E:\comp0034-cw2i-King-in-black\tests\conftest.py
reformatted E:\comp0034-cw2i-King-in-black\tests\test_navigation_bar.py
reformatted E:\comp0034-cw2i-King-in-black\tests\test_login_failure.py
reformatted E:\comp0034-cw2i-King-in-black\tests\test_register_failure.py
reformatted E:\comp0034-cw2i-King-in-black\tests\test_userstory2.py
reformatted E:\comp0034-cw2i-King-in-black\tests\test_userstory.py

reformatted E:\comp0034-cw2i-King-in-black\src\blueprints\bp_webpage.py

All done! 🍌🍰🍌
3 files reformatted, 4 files left unchanged.
```

Figure 8: black (pylint package) in tests files

```
(.venv) PS E:\comp0034-cw2i-King-in-black\src\blueprints> black .
All done! 🍌🍰🍌
7 files left unchanged.
```

Figure 9: black (pylint package) in blueprints files

### 3.2 toml

```
[project]
name = "comp0034_coursework_2"
version = "1.0.0"

[build-system]
requires = ["setuptools", "wheel", "setuptools-scm"]
build-backend = "setuptools.build_meta"

[tool.setuptools.packages.find]
where = ["comp0034-cw2i-King-in-black"]
include = ["src*"]
exclude = ["*/tests*"]
namespaces = false

[tool.pytest.ini_options]
testpaths = ["tests"]

[tool.coverage.run]
branch = true
source = ["src/blueprints/bp_webpage.py"]
```

Figure 10: The pyproject.toml file of mine

### 3.3 Requirements

```
31 platformdirs==4.0.0
32 pluggy==1.2.0
33 pycparser==2.21
34 PySocks==1.7.1
35 pytest==7.4.4
36 pytest-flask==1.3.0
37 python-dateutil==2.8.2
38 python-dotenv==0.21.1
39 pytz==2023.3.post1
40 requests==2.31.0
41 scikit-learn==1.0.2
42 scipy==1.7.3
43 selenium==4.11.2
44 six==1.16.0
45 sniffio==1.3.1
46 sortedcontainers==2.4.0
47 SQLAlchemy==2.0.25
48 threadpoolctl==3.1.0
49 tomli==2.0.1
50 trio==0.22.2
51 trio-websocket==0.11.1
52 typed-ast==1.5.5
53 typing-extensions==4.7.1
54 urllib3==2.0.7
55 webdriver-manager==4.0.1
56 Werkzeug==2.2.3
57 wsproto==1.2.0
58 zipp==3.15.0
```

Figure 11: The part of the requirement.txt ; Make by freeze package

### 3.4 Github

URL: <https://github.com/ucl-comp0035/comp0034-cw2i-King-in-black>

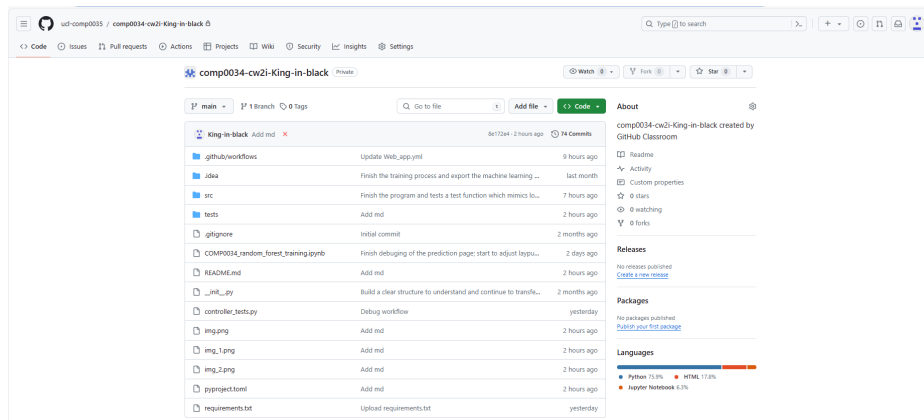


Figure 12: Github Page of mine



### 3.5 Readme.md



Figure 13: A part of Readme.md document describes structures of files

## Appendices

### 4 Claim of AI USE:

I used Chatgpt4.0 from OpenAI commonly in my programming assignments.

1. Strongly using Chatgpt4.0 from Open-AI to debug the program Send the error code and debug as Gpt suggested make me learn a lot.

2. Ask how can I use the new package like webdriver and I read the technique document also
3. Generate some simple pieces codes as a frame and I expand on it: for example the HTML in login page.
4. Understand how does card layout work in html and learn to apply.
5. Use Chatgpt 4.0 to generate images as to put on web pages.
6. some of simple files like a yaml are just generated by Chatgpt and I make a change to fit my assignments.

## 5 Citation of dataset

Abdullah AlSahly. (2022). accelerometer\_gyro\_mobile\_phone\_dataset.  
UCI Machine Learning Repository.  
DOI: 10.3390/s22176513.