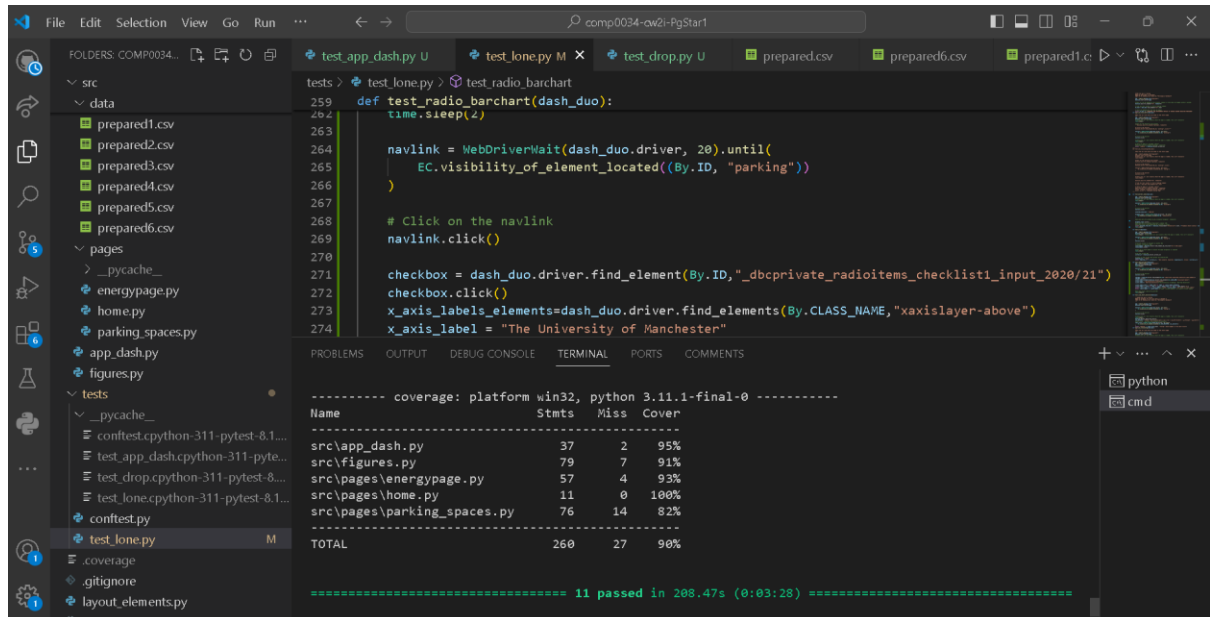


COURSEWORK 2

TEST CODE

A screenshot of my tests is attached below.



The screenshot shows a VS Code editor with a project named 'comp0034-cw2i-PgStar1'. The file explorer on the left shows a directory structure with 'src' containing 'data' (prepared1.csv to prepared6.csv), 'pages' (energy_page.py, home.py, parking_spaces.py, app_dash.py, figures.py), and 'tests' (test_lone.py, test_radio_barchart, test_drop.py, test_app_dash.py). The main editor shows the code for 'test_radio_barchart' in 'test_lone.py'. The code includes a function 'test_radio_barchart' that uses Selenium WebDriver to interact with a web application. The terminal at the bottom shows a coverage report for the project.

```
----- coverage: platform win32, python 3.11.1-final-0 -----
Name                               Stmts  Miss  Cover
-----
src\app_dash.py                     37      2   95%
src\figures.py                      79      7   91%
src\pages\energy_page.py            57      4   93%
src\pages\home.py                   11      0  100%
src\pages\parking_spaces.py         76     14   82%
TOTAL                               260     27   90%

===== 11 passed in 208.47s (0:03:28) =====
```

The coverage is around 90% which is quite good and most of the application code and functionality of the app have been tested. The other file which has a lower coverage is for the other charts. It has a lower coverage because it has some titles which are not checked and some labels or instructions that are not checked as this has been done on the other page.

SOURCE CODE CONTROL

<https://github.com/ucl-comp0035/comp0034-cw2i-PgStar1.git>

USE OF AI

I mostly used ChatGPT(3.5) to help with functionalities of the App and also used it to resolve errors encountered. I also used chatgpt to help with writing docstrings

REFERENCES

[HE Provider Data: Estates Management | HESA](#)

[ChatGPT \(openai.com\)](#)

[Gemini \(google.com\)](#)