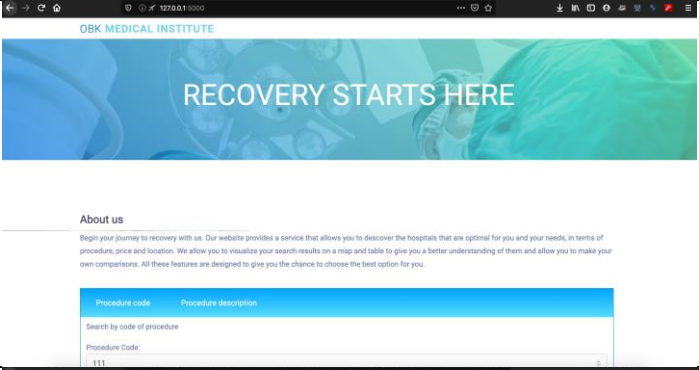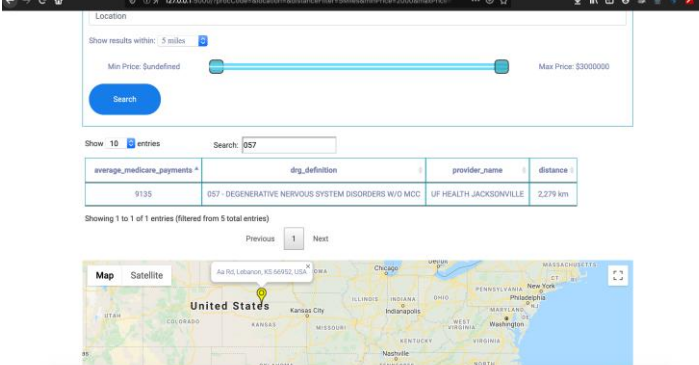# Test Driven Development

Why you chose the test for the video above

In terms of the test which we chose for the video, we all agreed that one of the most fundamental functions aspects of our program was to be able to load the webpage front end. In addition to this, it was vital that we knew that the front end could be accessible. Due to these points mentioned, we all agreed as a group that this test should be included in the video – to showcase the importance of this feature.

The acceptance test for this piece of functionality

1.	User loads up the webpage.	
2.	User can then successfully navigate through the webpage without any errors.	

If these acceptance criteria were not met, then the user would be presented with an error on the webpage. An example of this can be seen below:

Not Found

The requested URL was not found on the server. If you entered the URL manually please check your spelling and try again.

Evidence of Tests

During the development of our application we tested the following:

- Homepage loading successfully in Python Backend (Unit Test)
- Database Connection in Python Backend (Unit Test)

In addition to this, we also implemented tests throughout the development such as exception tests to check for errors. These tests have enabled us to adopt a Test-Driven approach to our project. As we completed the tests with minimal amount of code, and if the test failed, we then took an iterative approach where we made the test then pass. Overall, it can be seen how our project process has benefitted from applying these tests in a practical manner.