**TEST SCENARIOS**

**Title**: **Add a new computer to the database**

**Scenario**:

Given that I am on the home page of the Computer Database application

When I click the 'Add a new computer' button

And I enter valid computer details in the form fields

And I click the 'Create this computer' button

Then the computer should be successfully added to the database

And the computer should be displayed on the home page

**Title: Verify ability to update an existing computer in the database**

**Scenario:**

Given that I am on the home page of the Computer Database application

When I search for an existing computer in the database

And I click on the computer name in the search results to view its details

And I update the computer details in the form fields

And I click the 'Save this computer' button

Then the computer details should be successfully updated in the database

And the updated computer should be displayed on the home page

**Title: Verify ability to delete an existing computer from the database**

**Scenario:**

Given that I am on the home page of the Computer Database application

When I search for an existing computer in the database

And I click on the computer name in the search results to view its details

And I click the 'Delete this computer' button

Then the computer should be successfully deleted from the database

And the text displaying the computer has been deleted on the home page

**Title: Edit an existing computer and cancel changes**

**Scenario:**

Given that I am on the home page of the Computer Database application

When I search for the computer by name

And I click the computer name in the search results

And I update the computer details with valid data

And I click the 'Cancel' button

Then the computer details should not be updated in the database

And the page should be redirected to the home page

**Title: Search for a non-existent computer**

**Scenario:**

Given that I am on the home page of the Computer Database application

When I search for a computer which does not exist in the database

Then I should see the message "Nothing to display"

**Title: Add a computer with an invalid date**

**Scenario:**

Given that I am on the Add a computer page

When I enter the computer name

And I enter an invalid date in the Introduced field

And I enter a valid date in the discontinued field

And I select the company

And I click the "Create this computer" button

Then I should see an error message relating to introduced date

**Title: Add a computer without a name**

**Scenario:**

Given I am on the Add a computer page

When I enter an empty computer name in the Name field

And I enter a valid date in the Introduced field

And I enter a valid date in the discontinued field

And I select the company

And I click the "Create this computer" button

Then I should see an error message

**ISSUES ENCOUNTERED:**

On the edit computer page, my test failed initially because the navigation bar overlaps the “delete this computer” button and therefore making it difficult to click the delete button. I had to invoke the css display of the navigation bar and set it to none. Setting it to none hides the navigation bar and therefore gives the chance to click the delete button.

The computer name input fields on both “Edit” and “Add” computer pages does not have a maximum length of input and it can contain any length given which can sometimes overlap on the homepage. Attached is a screenshot of a file in my screenshot folder in my test.

**APPROACH TO TASK**: I analyzed the webpage to identify the key features and functionalities that needs to be tested.

Some of the key functionalities with regards to the computer database application:

1. Adding a new computer to the database
2. Editing an existing computer’s details
3. Deleting a computer from the database

Having identified the key features and functionalities, I started creating my test cases. I also considered cross-browser compatibility in other to ensure that my testing approach covers all key areas of the application.