**Manual test cases**

These are the test cases that were not automated for a number of reasons:

1. Unable to find reliable web element locators
2. Unable to control the test data to ensure test conditions remain the same throughout the duration of the test eg. Filter screen contains a changing number of records
3. Test would take too long to execute with current data set eg. Clicking ‘Next’ until the end of filter screen results

Scenario: As a user, I should be able to clear the filter box

Given the Homepage has loaded

When I enter text into the filter input box

And I click on the ‘x’ button in the input box

Then the text clears from the filter input box

Scenario: As a developer, the number of computers found should match the number of computers in the database

Given the Homepage has loaded

When the number of computers found is displayed

Then the number of computers should match the database

Scenario: As a user, I should be able to click next until there are no more results

Given the Homepage has loaded

When repeatedly click on the ‘Next’ link to the end of the results

Then the ‘Next’ link is disabled

Scenario: As a user, I should be able to create computer names with special characters

Given the Homepage has loaded

When I create a computer name with the value “?/’”+äë”

And I search for the computer name “?/’”+äë”

And the results for computer name “?/’”+äë” is displayed

Then computer name “?/’”+äë” edit screen is loaded

Scenario: As a user, I should be able to sort results by ascending Computer name

Given the Homepage has loaded

When I click on the Computer name sort arrow up

Then the Computer names are sorted in ascending order

Scenario: As a user, I should be able to sort results by ascending Computer name and go to the next page

Given the Homepage has loaded

When I click on the Computer name sort arrow up

And I click on the next button

Then the next page is sorted by ascending order

Scenario: As a user, I should be able to sort results by ascending Computer name and go to the previous page

Given the Homepage has loaded

When I click on the Computer name sort arrow up

And I click on the next button

And I click on the previous button

Then the previous page is sorted by ascending order

Scenario: As a user, I should be able to sort results by descending Computer name

Given the Homepage has loaded

When I click on the Computer name sort arrow down

Then the Computer names are sorted in descending order

Scenario: As a user, I should be able to sort results by descending Computer name and go to the next page

Given the Homepage has loaded

When I click on the Computer name sort arrow down

And I click on the next button

Then the next page is sorted by descending order

Scenario: As a user, I should be able to sort results by descending Computer name and go to the previous page

Given the Homepage has loaded

When I click on the Computer name sort arrow down

And I click on the next button

And I click on the previous button

Then the previous page is sorted by descending order

**Manual test cases maybe better suited to unit testing**

Scenario: As a developer, when a computer is added, then the number of computers should increase by 1

Given the Homepage has loaded

When a computer is added

Then the number of computers in the database should increase by 1

And the number of computers displayed on the application should increase by 1

Scenario: As a developer, when a computer is edited, then the number of computers should not increase

Given the Homepage has loaded

When a computer is edited

Then the number of computers in the database should not increase

And the number of computers displayed on the application should not increase

Scenario: As a developer, when a computer is deleted, then the number of computers should decrease by 1

Given the Homepage has loaded

When a computer is deleted

Then the number of computers in the database should decrease by 1

And the number of computers displayed on the application should decrease by 1

**Exploratory testing**

1. Application performs as expected when using the browser back and forward buttons
2. Application performs as expected when double tapping <submit> buttons
3. Application performs as expected when cross site scripting or SQL injections are entered into input fields eg “><script>alert(‘hello’)</script>”

**Edge cases**

1. Test boundary values for input text fields with large text strings, numerical values
2. Test application with malformed query strings
3. Test application under different locales and note the date format of ‘introduced date and ‘discontinued date’ remains in the expected format