Approach

I began by Exploratory testing to learn how the database functions and to take notes with the aim of preparing for writing test cases.
I devised a brief exploratory Test Charter with the purpose of covering the CRUD operations and identifying any edge cases. This was timeboxed to 1 hour.
It would not include the look and feel of the website or any cross browser testing. For the purpose of this project all testing would be run in Chrome.

Debriefing from exploratory testing
Possible issues/defects:
Introduced date can be after the discontinued date.
Cannot filter on columns.
When updating a computer it states the new computer name has been updated instead of the old computer name.
There are no error messages when enter invalid data only colour changes.
Notes on Product Quality:
Can add multiple computers with the same name leading to duplicate records.
Also as this is on the public domain it is not static and will be updated by other users so this will effect testing. The computers found figure will fluctuate. So the test data quality is potentially brittle.

Test Cases
Next I scripted the test cases focusing on the CRUD operations as stated in the brief with some edge cases regarding the behaviour around cancelling a Create operation, and entering invalid dates. I scripted a negative test covering searching for no computers and cases around validating the input fields.

Automation
The CRUD features were added to the automation pack as that is the main focus of the project and if these failed it would represent the greatest risk to the project. Also field validation scenarios to ensure that malformed data cannot be entered which could lead to data corruption of the database. The search for no computers scenario was added. It is a useful process to check whether a Computer already exists so I would like to ensure that it does not fail.