Short explanations

Test Approach

I decided to do end-to-end testing to test the CRUD flow of the application first. This means I'm testing the system from beginning to end which replicates a real user scenario. This allows me to validate the systems data integrity between its components.

Test cases for Regression

**CRUD operations (Positives and Negatives)** – this is the core functionality of the application. If a change was made to the system for example; a “view”, “edit” or “delete” button was added as an additional option next to each computer entry in the table, then a regression test will need to be made to ensure other ways of reading, updating or deleting still works, as well as creating a computer. Covering both positive and negative scenarios ensures data integrity is validated.

**Filtering** – this allows a user to validate whether a computer exist or not which means its directly linked to the CRUD operations.

Behaviour-Driven-Development

Applying BDD approach ensures all members involved in a team understands the tests carried out. It also allows me to define my test cases in a business logic which provides advantages such as;

* Can be used as a template for defining my test cases
* Can estimate test coverage for each business outcome by going through test cases
* Good collaboration within the team