

Creation Feature

User should have the ability to CREATE a new computer entry when providing valid data.

Scenario 1: Successfully creating a computer entry	
Preconditions	Steps
<ul style="list-style-type: none">• None	Given a user navigates to the main page, When a user clicks the 'Add a new computer' button, And a valid value is entered into the 'Computer name', And a valid date is entered into the 'Introduced date' field, And a valid date is entered into the 'Discontinued date' field, And a valid value is selected from the 'Company' dropdown, And a user clicks the 'Create this computer' button, Then the user will be taken back to the main page, And a message will appear 'Done! Computer <i>NAME</i> has been created'.

Scenario 2: Attempt to create company fails for invalid data	
Preconditions	Steps
<ul style="list-style-type: none">• None	Given a user navigates to the main page, When a user clicks the 'Add a new computer' button, And the 'Computer name' field is left empty, And an invalid date is entered into the 'Introduced date' field, And a invalid date is entered into the 'Discontinued date' field, And a user clicks the 'Create this computer' button, Then the user will still be on the 'Add a computer' page, And the 'Computer name' field will be highlighted red, And the 'Introduced date' field will be highlighted red, And the 'Discontinued date' field will be highlighted red.
Considerations: Consider using various types of invalid data (too long, mixture of invalid fields, etc)	

Retrieval Feature

User should have the ability to RETRIEVE some high-level and individual entry details.

Scenario 1: Initial page header message reflects current total count of entries.

Preconditions	Steps
<ul style="list-style-type: none">Current count of pre-existing entries	Given a user navigates to the main page, Then the <h1> header message should reflect the number of entries. Ex: <i>count</i> computers found

Scenario 2: Retrieve previously entered entries using computer name.

Preconditions	Steps
<ul style="list-style-type: none">Pre-existing entry	Given a user navigates to the main page, When the entry name is entered into the search box, And the 'Filter by name' button is clicked, Then the <h1> header message should reflect the number of matching entries, And the displayed results table should match the entry's values. Sample header message: One computer found

Considerations: Consider using parts of the computer name to filter results.

Scenario 3: Attempt to retrieve a nonexistent entry.

Preconditions	Steps
<ul style="list-style-type: none">Non-matching filter	Given a user navigates to the main page, When a non-matching filter is entered into the search box, And the 'Filter by name' button is clicked, Then the <h1> header message should be 'No computers found', And the displayed results table should not be visible, And the message 'Nothing to display' should be present.

Scenario 4: Checking pagination for current entries

Preconditions	Steps
<ul style="list-style-type: none">At least 11 entries	Given a user navigates to the main page, Then all pages moving forward via the Next button will show at most 10 entries, And all pages moving backward via the Previous button will show at most 10 entries.

Update Feature

User should have the ability to UPDATE an existing entry with valid data.

Scenario 1: Successfully updating an existing entry	
Preconditions	Steps
<ul style="list-style-type: none">• Pre-existing entry	Given a user navigates to the main page, When the entry name is entered into the search box, And the 'Filter by name' button is clicked, And the entry is selected from the filtered results table, And the 'Edit computer' page is displayed, And the 'Computer name' field is changed to a valid entry, And the 'Introduced date' field is changed to a valid date, And the 'Discontinued date' field is changed to a valid date, And the 'Save this computer' button is clicked, Then the user will be taken back to the main page, And a message will appear 'Done! Computer <i>NAME</i> has been updated'.
Considerations: Consider chaining the end of this into a new search to verify all updated fields.	

Scenario 2: Attempting to update an existing entry with invalid data	
Preconditions	Steps
<ul style="list-style-type: none">• Pre-existing entry	Given a user navigates to the main page, When the entry name is entered into the search box, And the 'Filter by name' button is clicked, And the entry is selected from the filtered results table, And the 'Edit computer' page is displayed, And the 'Computer name' field is changed to a valid entry, And the 'Introduced date' field is changed to a valid date, And the 'Discontinued date' field is changed to a valid date, And the 'Save this computer' button is clicked, Then the user will still be on the 'Edit computer' page, And the 'Computer name' field will be highlighted red, And the 'Introduced date' field will be highlighted red, And the 'Discontinued date' field will be highlighted red.

Scenario 3: Canceling an attempt to update an entry	
Preconditions	Steps
<ul style="list-style-type: none">• Pre-existing entry	Given a user navigates to the main page, When the entry name is entered into the search box, And the 'Filter by name' button is clicked, And the entry is selected from the filtered results table, And the 'Edit computer' page is displayed, And the user clicks the 'Cancel' button, Then the user will be taken back to the main page.

Deletion Feature

User should have the ability to DELETE an existing entry

Scenario 1: User deletes an existing entry	
Preconditions	Steps
<ul style="list-style-type: none">• Pre-existing entry	Given a user navigates to the main page, When the entry name is entered into the search box, And the 'Filter by name' button is clicked, And the entry is selected from the filtered results table, And the 'Edit computer' page is displayed, And the user clicks the 'Delete this computer' button, Then the user will be taken back to the main page, And a message will appear 'Done! Computer has been deleted'.