**E-Portfolio Application**

**Testing Report**

**Emerging Trends in IT**

**Continuous Assessment**

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# **Test Case Scenarios**

**Test Case Scenario 1: Projects Showcase (Home Page)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 1.1 | This test case is to test if clicking the “Read More” button for the project “BackToGoal” will redirect the user to the project details page for “BackToGoal”. | Click the “Read More” button for the project “BackToGoal” | User is redirected to a project details page with the project details for the project “BackToGoal”. |
| 1.2 |  |  |  |
| 1.3 |  |  |  |
| 1.4 |  |  |  |
| 1.5 |  |  |  |

**Test Case Scenario 2: Contact Form (Home Page)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 2.1 | This is to test the submission of the contact message form when no input is given. | Name: None  Email: None  Message: None | Message showing “Please fill up empty” fields should appear. |
| 2.2 | This is to test the contact form when an invalid email is supplied for the email field. | Name: Jack  Email: jack#mail.com | Message showing invalid email format should appear. |
| 2.3 | This is to test the contact form when input is provided to all fields and that a valid email is supplied for the email field. | Name: Ray  Email: [ray@mail.com](mailto:ray@mail.com)  Message: “Hi! Would like to meet up?” | An alert showing that contact message was sent should appear. |
| 2.4 |  |  |  |
| 2.5 |  |  |  |

**Test Case Scenario 3: Blog Index**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 3.1 | This is to test | Username: None  Password: None | Alert “Please fill up this field” is shown at the “Username” input field |
| 3.2 |  |  |  |
| 3.3 |  |  |  |
| 3.4 |  |  |  |
| 3.5 |  |  |  |

**Test Case Scenario 4: Blog Category**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 4.1 | This is to test the blog index page | Username: None  Password: None | Alert “Please fill up this field” is shown at the “Username” input field |
| 4.2 | This is to test the user registration function |  |  |
| 4.3 |  |  |  |
| 4.4 |  |  |  |
| 4.5 |  |  |  |

**Test Case Scenario 5: Blog Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 5.1 | This is to test the login page when no input is given | Username: None  Password: None | Alert “Please fill up this field” is shown at the “Username” input field |
| 5.2 |  |  |  |
| 5.3 |  |  |  |
| 5.4 |  |  |  |
| 5.5 |  |  |  |

**Test Case Scenario 6: Login**

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| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 6.1 | This is to test the login function when no input is given | Username: None  Password: None | Alert “Please fill up this field” is shown at the “Username” input field |
| 6.2 | This is to test the login function when a wrong password is given for a registered user. | Username: David3  Password: red50blue | An error message appears on the same page which shows “Incorrect Username or Password” |
| 6.3 | This is to test the login function when an unregistered user provides a username and password. | Username:  Password: | An error message appears on the same page which shows “Incorrect Username or Password” |
| 6.4 | This is to test the login function when a registered user provides a username and correct password. | At “Home” page  Click “Login” on the navigation bar  At “Login” page  Username: David3  Password: Cyan30red | User is redirected to the previous page where they clicked “Login” on the navigation bar.  The “Login” option on the navigation bar should be changed to “Log Out”.  A welcome message  “Welcome, David3” is shown on an alert bar. |
| 6.5 | This is to test whether clicking on the back button of the login form will redirect the user back to the previous page where they came from.  **Note:** The login form has its own back button which is separate from the browsers back button. | At “Blog” page  Click “Login” on the navigation bar  At “Login” page  Click the back button on the top left of the login form. | User is redirected back to “Blog” page. |
| 6.6 | This is to test whether clicking on “Don’t have an account? Click here to register” will bring the user to the Registration page. | At “Login” page  Click the hyperlink “Don’t have an account? Click here to register” below the login button. | User is redirected to “Registration” page. |

**Test Case Scenario 7: User Registration**

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| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 7.1 | This is to test the registration function when no input is given. |  |  |
| 7.2 | This is to test the registration function when an invalid email is given. |  |  |
| 7.3 |  |  |  |
| 7.4 |  |  |  |
| 7.5 |  |  |  |

**Test Case Scenario 8: Log Out**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Scenario** | **Test Description** | **Test Values** | **Expected Outcome** |
| 7.1 | This is to test the registration function when no input is given. |  |  |
| 7.2 | This is to test the registration function when an invalid email is given. |  |  |
| 7.3 |  |  |  |
| 7.4 |  |  |  |
| 7.5 |  |  |  |

# **Test Results**

Run “pytest -v”

Insert screenshot of results here

Justify results (Explain why the test case failed)

# **Coverage Results**

Run “pytest --cov”

Insert screenshot of coverage test here.

Justify results (Explain why not all code was covered)