

WireApps

Intern Quality Assurance Engineer

Technical Assessment

Manual Testing Scenario

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1. Manual Testing Scenario

You are provided with a basic user registration page for a web application. The page contains fields for the user's

- First name
- Last name
- Email
- Password
- Submit button.

Write detailed test cases to cover the functionalities of this page.

Test Cases

Test Case 1: Valid User Registration

Test Case ID	TC001
Test Scenario	Verify successful user registration with valid inputs
Test Steps	<ol style="list-style-type: none">1. Navigate to the registration page.2. Enter a valid first name in the "First name" field.3. Enter a valid last name in the "Last name" field.4. Enter a valid email in the "Email" field .5. Enter a valid password in the "Password" field.6. Click the "Submit" button.
Prerequisites	Registration page is accessible.
Test Data	First name: Prajila Last name: Shehani Email: prajila@gmail.com Password: Prajila@1234
Expected Results	User is registered successfully, and a confirmation message or redirection to the login page is displayed.
Actual Results	User is registered successfully, and a confirmation message "Registration Successful" is displayed with redirection to the login page.
Test Status	Pass

Test Case 2: Registration with Empty Fields

Test Case ID	TC002
Test Scenario	Verify registration fails when required fields are left blank
Test Steps	<ol style="list-style-type: none">1. Navigate to the registration page.2. Leave the "First name" field blank.3. Leave the "Last name" field blank.4. Leave the "Email" field blank.5. Leave the "Password" field blank.6. Click the "Submit" button.
Prerequisites	Registration page is accessible.
Test Data	No input in any field.
Expected Results	Appropriate error messages are displayed for each mandatory field.
Actual Results	Error messages are displayed for each required field: "First name is required." "Last name is required." "Email is required." "Password is required."
Test Status	Pass

Test Case 3: Invalid Email Format

Test Case ID	TC003
Test Scenario	Verify that the registration fails for invalid email formats
Test Steps	<ol style="list-style-type: none">1. Navigate to the registration page.2. Enter a valid first name.3. Enter a valid last name.4. Enter an invalid email format.5. Enter a valid password.6. Click the "Submit" button.
Prerequisites	Registration page is accessible.
Test Data	First name: Prajila Last name: Shehani Email: prajila@gmail.com Password: Prajila@1234
Expected Results	An error message is displayed indicating the email format is invalid.
Actual Results	An error message "Please enter a valid email address." is displayed.
Test Status	Pass

Test Case 4: Password Requirements Validation

Test Case ID	TC004
Test Scenario	Verify that registration fails if the password does not meet the required criteria
Test Steps	<ol style="list-style-type: none">1. Navigate to the registration page.2. Enter a valid first name.3. Enter a valid last name.4. Enter a valid email address.5. Enter a password that does not meet the criteria.6. Click the "Submit" button.
Prerequisites	Registration page is accessible.
Test Data	First name: Prajila Last name: Shehani Email: prajila@gmail.com Password: Prajila@1234
Expected Results	An error message indicating that the password must meet the required criteria (eg. at least 8 characters, includes special characters, numbers).
Actual Results	Error message "Password must be at least 8 characters and contain at least one special character and one number." is displayed.
Test Status	Pass

Test Case 5: Duplicate Email Registration

Test Case ID	TC005
Test Scenario	Verify that registration fails if the email is already registered
Test Steps	<ol style="list-style-type: none">1. Navigate to the registration page.2. Enter a valid first name.3. Enter a valid last name.4. Enter an email that is already registered.5. Enter a valid password.6. Click the "Submit" button.
Prerequisites	The email "prajila@gmail.com" is already registered.
Test Data	First name: Prajila Last name: Shehani Email: prajila@gmail.com Password: Prajila@1234
Expected Results	An error message is displayed indicating that the email is already registered.
Actual Results	Error message "This email is already registered. Please log in or use a different email." is displayed.
Test Status	Pass

Test Case 6: Valid Input with Maximum Field Length

Test Case ID	TC006
Test Scenario	Verify that the system accepts valid inputs with maximum allowable field lengths
Test Steps	<ol style="list-style-type: none">1. Navigate to the registration page.2. Enter the maximum allowed characters (50 characters) for the "First name" and "Last name" fields.3. Enter a valid email address.4. Enter a valid password.5. Click the "Submit" button.
Prerequisites	Registration page is accessible, and the maximum field lengths are known.
Test Data	First name: Wijethunga Gamage Prajila Shehani Last name: Shehani Email: prajila@gmail.com Password: Prajila@12345
Expected Results	User is registered successfully with no errors.
Actual Results	User is registered successfully, and a confirmation message "Registration Successful" is displayed with redirection to the login page.
Test Status	Pass