

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.

1.

Test Case: Validate First name field

Test Case ID: TC001

Test Case Description: Verify that the First name field accepts valid input.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a valid first name in the First name field.
2. Click the Submit button.

Expected Result: The input should be accepted without errors, and the user should proceed to the next step or see a success message.

Priority: High

Test Data: Yasiru

2.

Test Case: Validate First name field with special characters

Test Case ID: TC002

Test Case Description: Verify that the First name field does not accept special characters.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a first name containing special characters in the First name field.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that special characters are not allowed.

Priority: High

Test Data: Yas\$iru

3.

Test Case: Validate First name field with numbers

Test Case ID: TC003

Test Case Description: Verify that the First name field does not accept numbers.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a first name containing numbers in the First name field.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that numbers are not allowed.

Priority: High

Test Data: Yasiru24

4.

Test Case: Validate empty First name field

Test Case ID: TC004

Test Case Description: Verify that the First name field cannot be left empty.

Preconditions: The registration page is loaded.

Test Steps:

1. Leave the First name field empty.

2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that the First name field is required.

Priority: High

Test Data: None

5.

Test Case: Validate Last name field

Test Case ID: TC005

Test Case Description: Verify that the Last name field accepts valid input.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a valid last name in the Last name field.

2. Click the Submit button.

Expected Result: The input should be accepted without errors, and the user should proceed to the next step or see a success message.

Priority: High

Test Data: Wijegunasinghe

6.

Test Case: Validate Last name field with special characters

Test Case ID: TC006

Test Case Description: Verify that the Last name field does not accept special characters.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a last name containing special characters in the Last name field.

2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that special characters are not allowed.

Priority: High

Test Data: Wijegun@singhe

7.

Test Case: Validate Last name field with numbers

Test Case ID: TC007

Test Case Description: Verify that the Last name field does not accept numbers.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a last name containing numbers in the Last name field.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that numbers are not allowed.

Priority: High

Test Data: "Wijegunasinghe24"

8.

Test Case: Validate Empty Last name field

Test Case ID: TC008

Test Case Description: Verify that the Last name field cannot be left empty.

Preconditions: The registration page is loaded.

Test Steps:

1. Leave the Last name field empty.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that the Last name field is required.

Priority: High

Test Data: None

9.

Test Case: Validate Email field with valid input

Test Case ID: TC009

Test Case Description: Verify that the Email field accepts valid email addresses.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a valid email address in the Email field.
2. Click the Submit button.

Expected Result: The input should be accepted without errors, and the user should proceed to the next step or see a success message.

Priority: High

Test Data: ysdwijegunasinghe@gmail.com

10.

Test Case: Validate Email field with invalid input

Test Case ID: TC010

Test Case Description: Verify that the Email field does not accept invalid email addresses.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter an invalid email address in the Email field.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that the email format is incorrect.

Priority: High

Test Data: ysdwijegunasinghe@com

11.

Test Case: Validate empty Email field

Test Case ID: TC011

Test Case Description: Verify that the Email field cannot be left empty.

Preconditions: The registration page is loaded.

Test Steps:

1. Leave the Email field empty.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that the Email field is required.

Priority: High

Test Data: None

12.

Test Case: Validate Password field with minimum length

Test Case ID: TC012

Test Case Description: Verify that the Password field accepts a password with the minimum required length.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a password with the minimum required length in the Password field.
2. Click the Submit button.

Expected Result: The input should be accepted without errors, and the user should proceed to the next step or see a success message.

Priority: High

Test Data: Yasiru1234

13.

Test Case: Validate Password field with less than minimum length

Test Case ID: TC013

Test Case Description: Verify that the Password field does not accept a password shorter than the minimum required length.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter a password shorter than the minimum required length in the Password field.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that the password is too short.

Priority: High

Test Data: Yasiru12

14.

Test Case: Validate empty Password field

Test Case ID: TC014

Test Case Description: Verify that the Password field cannot be left empty.

Preconditions: The registration page is loaded.

Test Steps:

1. Leave the Password field empty.
2. Click the Submit button.

Expected Result: An error message should be displayed, indicating that the Password field is required.

Priority: High

Test Data: None

15.

Test Case: Validate Submit button without filling any fields

Test Case ID: TC015

Test Case Description: Verify that the form displays error messages when trying to submit without filling any fields.

Preconditions: The registration page is loaded.

Test Steps:

1. Leave all fields empty.
2. Click the Submit button.

Expected Result: Error messages should be displayed for all required fields.

Priority: High

Test Data: None

16.

Test Case: Validate Submit button with all valid inputs

Test Case ID: TC016

Test Case Description: Verify that the form is successfully submitted when all fields are filled with valid data.

Preconditions: The registration page is loaded.

Test Steps:

1. Enter valid data in all fields
2. Click the Submit button.

Expected Result: The form should be successfully submitted, and a success message or redirect to the next page should occur.

Priority: High

Test Data:

First Name: Yasiru

Last Name: Wijegunasinghe

Email: ysdwijegunasinghe@gmail.com

Password: Yasiru1234