

Online Registration Form Test Scenarios and Test Case Assignment

Name: George Udonkwo

Mat No.: G2024/Meng/ETI/SET/FT/010

Test Scenarios vs. Test Cases

- **Test Scenario:** A high-level description of what you are testing. It often encapsulates a particular functionality or feature, such as “successful registration with valid inputs” or “registration fails with invalid email.”
- **Test Case:** A more detailed and actionable set of conditions, inputs, steps, and expected results used to verify the scenario. Each scenario can have multiple test cases covering various input combinations, edge cases, and system behaviors.

1. Identify Two Test Scenarios

Scenario A: Valid Registration

This scenario focuses on ensuring that the registration form works correctly when the user provides valid input values that meet all specified criteria.

Scenario B: Invalid Registration

This scenario tests how the form behaves when the user provides invalid or incomplete data. It covers error handling, validation messages, and other boundary conditions.

2. Write Two Test Cases for Each Scenario

Below is a sample test scenario use.

Template

1. **Test Case ID:** Unique identifier
2. **Test Case Name:** Descriptive name
3. **Preconditions:** Any setup or conditions needed before testing
4. **Test Steps:** Step-by-step instructions on how to execute the test.
5. **Test Data:** Specific input values.

6. **Expected Result:** The expected behavior or outcome.
7. **Status:** Pass/Fail (determined after execution).

Scenario A: Valid Registration

Test Case A1

1. **Test Case ID:** TC_Valid_Reg
2. **Test Case Name:** Valid Registration with All Mandatory Fields
3. **Preconditions:**
 - Registration page is accessible.
 - The user has not registered before
 - The email is not in use.
4. **Test Steps:**
 1. Navigate to the registration page.
 2. Enter a valid first name (e.g., "George").
 3. Enter a valid last name (e.g., "Udonkwo").
 4. Enter a valid email address (e.g., "enogeorgeudonkwo@gmail.com").
 5. Enter a valid password (e.g., "Passw0rd!").
 6. Confirm the same valid password.
 7. Click the **Submit** button.
5. **Test Data:**
 - First name: George
 - Last name: Udonkwo
 - Email: enogeorgeudonkwo@gmail.com
 - Password: Passw0rd!
6. **Expected Result:**
 - System accepts the registration, displays a success message ("Registration successful!"), and redirects user to a welcome or login page.
7. **Status:** To be updated after test execution.

Test Case A2

1. **Test Case ID:** TC_Valid_Reg_Optional
2. **Test Case Name:** Valid Registration with Optional Fields
3. **Preconditions:**
 - Registration page is accessible.
 - The user has not registered before, and the email is not in use.
4. **Test Steps:**
 1. Navigate to the registration page.
 2. Enter a valid first name and last name.
 3. Enter a valid email address.
 4. Enter a valid password and confirm it.
 5. **Leave optional fields** (e.g., "Address 2" or "Middle Name") **blank**.
 6. Click the **Submit** button.
5. **Test Data:**
 - First name: George
 - Last name: Udonkwo
 - Email: jane. enogeorgeudonkwo@gmail.com
 - Password: SecurePass123

- Optional fields: left blank
- 6. **Expected Result:**
 - System processes the registration without requiring non-mandatory fields.
 - Displays success message (“Registration successful!”).
- 7. **Status:** To be updated after test execution.

Scenario B: Invalid Registration

Test Case B1

1. **Test Case ID:** TC_Invalid_email
2. **Test Case Name:** Registration with Invalid Email Format
3. **Preconditions:**
 - Registration page is accessible.
4. **Test Steps:**
 1. Navigate to the registration page.
 2. Enter a valid first name and last name.
 3. Enter an **invalid** email address
 4. Enter a valid password and confirm it.
 5. Click the **Submit** button.
5. **Test Data:**
 - First name: George
 - Last name: Udonkwo
 - Email: invalid-email-format (enogeorgeudonkwogmailcom)
 - Password: Passw0rd!
6. **Expected Result:**
 - System should display an error message (e.g., “Please enter a valid email address.”).
 - Registration is not allowed to proceed.
7. **Status:** To be updated after test execution.

Test Case B2

1. **Test Case ID:** TC_Invalid_Psw
2. **Test Case Name:** Registration with Mismatched Passwords
3. **Preconditions:**
 - Registration page is accessible.
4. **Test Steps:**
 1. Navigate to the registration page.
 2. Enter a valid first name, last name, and a valid email address.
 3. Enter a valid password
 4. Enter a **different** confirm password
 5. Click the **Submit** button.
5. **Test Data:**
 - First name: George
 - Last name: Udonkww
 - Email: bob. enogeorgeudonkwo@gmail.com
 - Password: MyStrongPassword1
 - Confirm Password: Mismatchpassword
6. **Expected Result:**

- System should display an error message about password mismatch (e.g., “Passwords do not match.”).
 - Registration is not allowed to proceed.
7. **Status:** To be updated after test execution.