### Test Scenarios

**1. Full Name Field Validation**

**Scenario:** Validate the Full Name field on the registration form.

* **Steps:**
  1. Leave the Full Name field empty and attempt to submit the form.
  2. Enter a valid full name (e.g., "John Doe") and submit the form.
  3. Enter a name with special characters (e.g., "John@Doe") and submit the form.
* **Expected Results:**
  1. Error message "Full Name is required" should be displayed when the field is empty.
  2. No error message should be displayed when a valid name is entered.
  3. Error message "Invalid characters in Full Name" should be displayed if special characters are entered.

**2. Email Address Field Validation**

**Scenario:** Validate the Email Address field on the registration form.

* **Steps:**
  1. Leave the Email Address field empty and attempt to submit the form.
  2. Enter an invalid email address (e.g., "user@domain") and submit the form.
  3. Enter a valid email address (e.g., "user@example.com") and submit the form.
* **Expected Results:**
  1. Error message "Email Address is required" should be displayed when the field is empty.
  2. Error message "Please enter a valid email address" should be displayed for invalid email formats.
  3. No error message should be displayed when a valid email address is entered.

**3. Password Field Validation**

**Scenario:** Validate the Password field on the registration form.

* **Steps:**
  1. Leave the Password field empty and attempt to submit the form.
  2. Enter a password less than 8 characters long and submit the form.
  3. Enter a valid password (e.g., "password123") and submit the form.
* **Expected Results:**
  1. Error message "Password is required" should be displayed when the field is empty.
  2. Error message "Password must be at least 8 characters" should be displayed for passwords less than 8 characters long.
  3. No error message should be displayed when a valid password is entered.

**4. Confirm Password Field Validation**

**Scenario:** Validate the Confirm Password field on the registration form.

* **Steps:**
  1. Leave the Confirm Password field empty and attempt to submit the form.
  2. Enter a password that does not match the Password field and submit the form.
  3. Enter a matching password (e.g., "password123") and submit the form.
* **Expected Results:**
  1. Error message "Confirm Password is required" should be displayed when the field is empty.
  2. Error message "Passwords do not match" should be displayed when passwords entered do not match.
  3. No error message should be displayed when a matching password is entered.

**5. Date of Birth Field Validation**

**Scenario:** Validate the Date of Birth field on the registration form.

* **Steps:**
  1. Leave the Date of Birth field empty and attempt to submit the form.
  2. Enter an invalid date format (e.g., "01-01-2000") and submit the form.
  3. Enter a valid date (e.g., "2000-01-01") and submit the form.
* **Expected Results:**
  1. Error message "Date of Birth is required" should be displayed when the field is empty.
  2. Error message "Invalid date format" should be displayed for dates in an incorrect format.
  3. No error message should be displayed when a valid date format is entered.

**6. Gender Field Validation**

**Scenario:** Validate the Gender field on the registration form.

* **Steps:**
  1. Leave the Gender field unselected and attempt to submit the form.
  2. Select a gender option (e.g., "Male") and submit the form.
* **Expected Results:**
  1. Error message "Gender is required" should be displayed when no option is selected.
  2. No error message should be displayed when a gender option is selected.

**7. Newsletter Subscription Field Validation**

**Scenario:** Validate the Newsletter Subscription field on the registration form.

* **Steps:**
  1. Leave the Newsletter Subscription field unselected and attempt to submit the form.
  2. Select "Yes" for newsletter subscription and submit the form.
  3. Select "No" for newsletter subscription and submit the form.
* **Expected Results:**
  1. Form should submit without errors if this field is optional.
  2. Form should submit successfully with newsletter subscription selected.
  3. Form should submit successfully without newsletter subscription selected.

**8. Submit Button Functionality**

**Scenario:** Validate the functionality of the Submit button on the registration form.

* **Steps:**
  1. Fill in all required fields with valid data and click Submit.
  2. Leave one or more required fields empty and click Submit.
* **Expected Results:**
  1. Form should submit successfully and show a confirmation message or redirect to a success page when all required fields are filled.
  2. Error messages should be displayed for the empty required fields.

**9. Form Submission without Errors**

**Scenario:** Validate form submission without encountering validation errors.

* **Steps:**
  1. Fill in all required fields with valid data.
  2. Click the Submit button.
* **Expected Results:**
  1. Form should submit successfully and show a confirmation message or redirect to a success page.

**10. Security Testing**

**Scenario:** Perform security testing on the registration form to ensure it is secure against common vulnerabilities.

* **Steps:**
  1. Attempt SQL Injection attacks in input fields.
  2. Attempt Cross-Site Scripting (XSS) attacks in input fields.
* **Expected Results:**
  1. The form should reject malicious inputs (SQL Injection and XSS) and prevent them from affecting the system.
  2. No sensitive data leakage or script execution should occur.