**Test cases for a "Contact Us" page :**

It's important to consider various aspects, including functionality, usability, and design. Here are some test cases grouped by category:

**1. Functional Test Cases**

**Test Case 1: Form Submission**

**Description** : Verify that the form can be submitted successfully.

**Steps** : Fill in all fields with valid data and click the "Submit" button.

**Expected Result** : A confirmation message appears, and the user is redirected to a thank-you page.

**Test Case 2 : Required Fields Validation**

**Description :** Check that the required fields cannot be left blank.

**Steps :** Leave required fields empty and click "Submit."

**Expected Result :** An error message appears next to each required field.

**Test Case 3 : Email Format Validation**

**Description :** Ensure that the email field accepts valid email formats.

**Steps :** Enter an invalid email format (e.g., "test@com") and click "Submit."

**Expected Result :** An error message prompts the user to enter a valid email address.

**Test Case 4 : Maximum Character Limit**

**Description :** Verify that the message field has a character limit.

**Steps :** Enter a message that exceeds the maximum character limit and click

"Submit."

**Expected Result :** An error message indicates that the message is too long.

**2. Usability Test Cases**

**Test Case 6 : Accessibility Compliance**

**Description :** Check if the form is accessible for users with disabilities.

**Steps :** Use screen reader software to navigate the page.

**Expected Result :** All elements are properly announced, and the form is navigable.

**Test Case 7 : Placeholder Text**

**Description :** Verify that placeholder text provides guidance for each input field.

**Steps :** Review the placeholder text in each field.

**Expected Result :** Placeholder text clearly indicates what information is needed.

**Test Case 8 : Field Labels**

**Description :** Ensure that all input fields have clear labels.

**Steps :** Check each field for associated labels.

**Expected Result :** Each input field has a visible label that describes its purpose.

**3. Design Test Cases**

**Test Case 9 : Responsive Design**

**Description :** Verify that the contact form is responsive across different devices.

**Steps :** Access the form on mobile, tablet, and desktop devices.

**Expected Result :** The layout adjusts appropriately without losing functionality.

**Test Case 10 : Visual Design Consistency**

**Description :** Check for consistency in design elements (fonts, colors, buttons).

**Steps :** Compare the contact form design with the overall website design.

**Expected Result :** The contact form matches the overall website style guide.

**Test Case 11 : Error Message Display**

**Description :** Ensure that error messages are visually distinct and easy to

understand.

**Steps :** Trigger validation errors by submitting the form with invalid data.

**Expected Result :** Error messages appear in a contrasting color and are positioned

near the corresponding fields.

**4. Security Test Cases**

**Test Case 12: SQL Injection**

**Description** : Test the form against SQL injection attacks.

**Steps** : Input SQL code (e.g., "'); DROP TABLE users; --") in the fields.

**Expected Result** : The system does not execute the SQL command and displays an

error.

**Test Case 13 : Cross-Site Scripting (XSS)**

**Description** : Check if the form sanitizes input to prevent XSS attacks.

**Steps** : Enter a script tag (e.g., `<script>alert('XSS');</script>`) in the message field.

**Expected Result** : The system neutralizes the script and does not execute it.

These test cases provide a comprehensive framework for evaluating a "Contact Us" page from multiple perspectives.