QA Test Cases and Test Scenario Report

**1. Form Validation Tests**

**Test Scenario**: Verify that the form validates required fields and displays appropriate error messages when required fields are missing or invalid.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_01 | Verify Required Fields | Fill only required fields | Error message for missing fields | Submits successfully | **Failed** |
| TC\_03 | Verify Name Fields Validation | Enter only spaces in name fields | Should show error for spaces | Accepts spaces | **Failed** |
| TC\_04 | Required Fields Validation | Fill First Name, Last Name, Mobile Number, and Gender. | The form should submit successfully. | Form submitted successfully. | **Passed** |
| TC\_05 | Required Fields Validation | 1.Leave **First Name** or **Last Name** blank. 2. Submit the form. | The form should show a validation error for the missing field and not submit. | The form was not submitted. Error displayed. | **Passed** |
| TC\_06 | From Validation for Empty Fields | 1. Leave all fields blank. 2. Submit the form. | Forms should not submit and display validation errors for required fields. | The form was not submitted. Error displayed. | **Passed** |
| TC\_07 | Field Length Validation | 1. Enter a mobile number with **less than 10 digits**. 2. Submit the form. | Form should reject and show a validation error for incorrect mobile number length. | Form did not submit. Error displayed. | **Passed** |
| TC\_08 | Special Character Handling | 1. Try entering special characters (e.g., @, #, &) in First Name or Last Name. | The form should reject special characters and show a validation error for First Name and Last Name fields. | The form accepted special characters and submitted successfully without any error. | **Failed** |
| TC\_25 | Select and Remove a Subject | 1. Add a subject (e.g., "Biology") 2. Click the "x" icon next to the subject chip to remove it 3. Submit the form | Only the subject should be removed. Form should not reload or lose previously entered data | Clicking the "x" clears the entire form or reloads the page. Users must re-enter all info | **Failed** |
| TC\_41 | Select State but no City | 1. Select a State 2. Do NOT select a city 3. Submit | Should show validation error or prevent form submission | From submitted but **no State or City appeared** | **Failed *(Unexpected behavior)*** |
| TC\_43 | Submit form without selecting State/City | 1. Leave both dropdowns empty 2. Fill other required fields 3. Submit | Form should **accept submission** (State and City are not required) | Form accepted submission | **Passed** |
| TC\_47 | Check for Input Length Limit in Name | 1. Enter a very long string (100+ characters) in the First Name field. 2. Try submitting the form. | Input field should restrict length (e.g., max 50 chars) or show a validation error if too long. | Input accepted 100+ characters without error; field scrolls horizontally to show the full input. | **Failed** |
| TC\_49 | Gender Selection Feedback | 1. Do not select any gender 2. Submit the form | Should show visual feedback (red border or message) | Only red highlights are shown, no message | **Failed (Missing message)** |

**2. Email and Mobile Number, Validation**

**Test Scenario**: Verify that the email and mobile number fields only accept valid formats and display appropriate error messages when the input is invalid.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_09 | Email Format Validation | Enter rokayakapil15@facebook.com in email field | Accepts valid email format | Form accepts input | **Passed** |
| TC\_10 | Email field - consecutive dots | Enter rokaya@gmail...com in the email field | Show error, prevent submission | Accepted invalid email | **Failed** |
| TC\_11 | Email Field - Comma Instead of Dot | Enter rokaya@facebook,com in the email field | Show error, prevent submission | Show invalid email error | **Passed** |
| TC\_12 | Invalid Email Format | 1. Visit https://demoqa.com/automation-practice-form  2. In the Email field, enter .......@gmail.com.  3. Submit the form. | The form should reject the invalid email format (.......@gmail.com) and display a validation error. | The form accepted .......@gmail.com and submitted successfully. | **Failed** |
| TC\_14 | Valid Mobile Number | 1. Enter 9877448855 in the mobile number field. 2. Submit the form. | Form should accept the number and allow submission. | Accepted the number and submitted successfully. | **Passed** |
| TC\_15 | Invalid Mobile Number (Short) | 1. Enter 123456789 (9 digits) in the mobile number field. 2. Submit the form. | Form should reject the input and show an error message for the short number. | Form rejected the input and showed an error. | **Passed** |
| TC\_16 | Invalid Mobile Number (Non-Digits) | 1. Enter abcdefghi in the mobile number field. 2. Submit the form. | Form should reject the input and show an error message for non-digit characters. | Form rejected the input and showed an error. | **Passed** |
| TC\_17 | Mobile Number with Special Chars | 1. Enter 123-456-7890 (with dashes) in the mobile number field. 2. Submit the form. | Form should either accept the number or automatically strip the dashes. | Form accepted the number with dashes. | **Passed** |
| TC\_18 | Mobile Number Field Validation | 1. Enter a **non-numeric** value in the **Mobile Number** field (e.g., **abc123**). 2. Submit the form. | Form should reject the input and display a validation error for invalid mobile number format. | The form was not submitted. Error displayed. | **Passed** |
| TC\_19 | Mobile Number with Spaces | 1. Enter 9847 88 88 (with spaces between digits) in the mobile number field. 2. Submit the form. | The form should reject the input and show an error message for spaces in the number. | Form rejected the input with spaces and showed an error message. | **Passed** |
| TC\_48 | Validation Message for Email Format | 1. Enter iefhewihfe@.com | Should show a validation error | No clear validation message shown; just red highlight | **Failed (Missing message)** |

**3. Subject Field Validation**

**Test Scenario**: Ensure the subject field behaves as expected, including selecting from suggestions, handling invalid input, and multiple subjects.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_21 | Valid Subject from Suggestions | 1. Type "Maths" and select from the suggestion list 2. Submit the form | Form should accept the selected subject and display it | Form accepted the subject and displayed it correctly | **Passed** |
| TC\_22 | Type Random Invalid Text | 1. Type " asdfgh " and do not select any suggestion 2. Submit the form | Form should not accept invalid entries that are not in the suggestion list | Form rejected unselected random input | **Passed** |
| TC\_23 | Leave Subject Field Blank | 1. Do not enter or select anything in the Subjects field 2. Fill other required fields 3. Submit | Form should allow submission since Subjects is not required | Form submitted successfully without subject | **Passed** |
| TC\_24 | Add Multiple Subjects from Suggestions | 1. Type "Maths" and select 2. Type "English" and select 3. Submit | Form should allow multiple valid subjects | Form accepted multiple subjects and displayed them | **Passed** |
| TC\_26 | Select Same Subject Twice | 1. Try adding "Physics" twice using suggestion | Duplicate should be prevented or ignored | Form automatically ignored duplicate selection | **Passed** |

**4. Hobby Field Validation**

**Test Scenario**: Verify that the hobby selection works correctly, including single and multiple hobby selection, deselecting, and validation for invalid input.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_27 | Select Single Hobby | 1. Select only "Sports" 2. Submit the form | Only "Sports" should be submitted and displayed in the confirmation modal | Only selected hobby "Sports" was submitted and displayed | **Passed** |
| TC\_28 | Select Multiple Hobbies | 1. Select "Sports", "Reading", and "Music" 2. Submit the form | All selected hobbies should be submitted and displayed properly | All selected hobbies were submitted and displayed correctly | **Passed** |
| TC\_29 | Submit Without Selecting Any Hobby | 1. Leave all hobby checkboxes unchecked 2. Fill required fields and submitted the form | Form should still be submitted (as hobbies are optional) | Form submitted without hobbies | **Passed** |
| TC\_30 | Select and Deselect a Hobby | 1. Select "Music" 2. Deselect "Music" 3. Submit the form | Deselected hobby should not be submitted | Deselected hobby was not submitted | **Passed** |
| TC\_31 | Select Invalid Input (Negative Test) | 1. Try to manipulate the DOM or inspect element and force check an invalid value (e.g., value="Dance") | Invalid value should be ignored or not submitted | Invalid value did not appear in submission | **Passed** |

**5. File Upload Validation**

**Test Scenario**: Verify the behavior of file uploads, including valid, large, and invalid files, and ensuring that the file upload functionality works as expected.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_32 | Upload a valid image file | 1. Choose a .jpg, .jpeg, or .png file 2. Submit the form | Form should accept the image and display file name after upload | Form accepted and submitted with image name | **Passed** |
| TC\_33 | Upload Large File | Upload 10MB+ file | Should accept or throw file size error | File accepted and form submitted | **Passed (No client-side limit)** |
| TC\_34 | Upload no file (optional field test) | 1. Leave the upload field empty 2. Fill other required fields 3. Submit | Form should be submitted since picture is not a required field | Form submitted successfully | **Passed** |
| TC\_35 | Upload image with special characters in filename | 1. Upload image with name like pic@#1!.jpg | File should be accepted if it’s a valid image | File accepted | **Passed** |
| TC\_36 | Upload a non-image file | 1. Try to upload .txt, .pdf, .exe, or .bat file | File should be rejected or display an error | Form accepted non-image files without warning | **Failed** |
| TC\_37 | Upload executable disguised as image (advanced) | 1. Rename .exe or .bat to .jpg and upload | Should detect MIME type and block invalid file | File accepted (no validation on type) | **Failed** |

**6. Address Field Validation**

**Test Scenario**: Test the behavior of the address field, including handling of special characters, long text, and empty input.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_38 | Submit form with empty Current Address | 1. Leave "Current Address" field empty 2. Fill required fields 3. Submit | Form should submit successfully (address is optional) | Form submitted without address | **Passed** |
| TC\_39 | Input special characters in Address | 1. Enter special characters like @#$%^&\*() in the address field | Field should accept them (addresses may include special chars in some cases) | Special characters accepted | **Passed** |
| TC\_40 | Enter long address text | 1. Paste a very long address (300+ characters) | Text area should accept the long input | Accepted full long address | **Passed** |

**7. State and City Dropdown Behavior**

**Test Scenario**: Test the behavior of the State and City dropdowns, ensuring they work correctly based on the user’s selection.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_42 | Select City but not State | 1. Try selecting city before selecting state | City dropdown should be disabled or show no options | City dropdown is disabled until state is selected | **Passed** |
| TC\_44 | State-City Dependency Validation | 1. Select a state 2. Check if city options change based on the state | City dropdown should only show cities relevant to selected state | Dynamic city list shown as per selected state | **Passed** |
| TC\_45 | Quickly switch states multiple times | 1. Select a state 2. Switch to another state immediately 3. Check city dropdown | City list should reset and update according to the latest selected state | City list updated properly | **Passed** |

**8. UI and Usability Tests**

**Test Scenario**: Verify the usability and UI elements of the form, ensuring proper feedback, display, and behavior.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_46 | Check for Required Field Indicators | 1. Leave a required field empty 2. Try to submit form | The field should display a clear **validation message** (e.g., "This field is required") | No text message shown; only red border appears | **Failed (UX issue)** |
| TC\_50 | Extra Empty Box in Layout | 1. Scroll to the bottom of the form page. 2. Inspect the empty box below the form (via dev tools). | No extra or unused container should be present if not rendering actual content | An empty container <div> with id="Ad.Plus-970x250-2" and no content is visible on the page | **UI Bug** |
| TC\_51 | Success Modal Appears on Submission | 1. Fill form correctly 2. Submit | Success message/modal should appear with confirmation | Success modal appeared with confirmation | **Passed** |
| TC\_52 | Modal Close Functionality | 1. Submit form successfully 2. Click close button | Modal should close and return to form | Modal closed and form was reset | **Passed** |
| TC\_53 | Modal Close (Outside Click) Behavior | 1. Fill all required fields. 2. Submit the form. 3. When the modal appears, click outside the modal instead of "Close" button. | Modal should close and form should reset regardless of how it’s closed | Modal closes, but the form remains filled and is **not reset** | **Failed** |
| TC\_50 | Extra Empty Box in Layout | 1. Scroll to the bottom of the form page. 2. Inspect the empty box below the form (via dev tools). | No extra or unused container should be present if not rendering actual content | An empty container <div> with id="Ad.Plus-970x250-2" and no content is visible on the page | **UI Bug** |

**9. Date of Birth and Miscellaneous Field Validation**

**Test Scenario**: Validate date of birth and other fields that do not belong to other major form sections but are essential for overall input accuracy.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| TC\_02 | Verify Date of Birth Validation | Select future date | Should reject future date | Accepts future date | **Failed** |
| TC\_13 | Gender Selection | 1. Select **Male**, **Female**, or **Other** for Gender. 2. Submit the form. | Form should accept any gender selection and submit successfully. | Form submitted successfully. | **Passed** |
| TC\_20 | Date of Birth Validation | 1. Select a valid past date (e.g., **19 Apr 1995**) in the **Date of Birth** field. 2. Submit the form. | Form should accept valid past dates and submit successfully. | Form submitted successfully. | **Passed** |