**REGISTRATION FORM-TEST PLANNING**

**Introduction**

This documents outlines the test planning for Registration Form .The purpose of this documents is to validate User Inputs and show appropriate error message on invalid input and ensure that data should be submitted to the server on valid User Input

**Objectives**

* Verify that the registration form correctly validates user inputs.
* To ensure that System should Show Appropriate Error messages on invalid Input
* Confirm Successful Submission of form data to the server upon correct User Input

**Scope**

**In-Scope**

* Input validation (Full Name, Email, Password, Confirm Password, Date of Birth, Gender, Newsletter Subscription).
* valid error message display on invalid User input
* Successful form Submission on valid User Inputs

**Out-of-Scope**

* **Mobile Responsiveness**: Required separate testing plan for checking responsiveness on different devices
* **Performance testing :** Required separate performance testing planning and tools to detect high or low performance of system

**Environment Requirements**

**Test Environments**

* **Browser:**Chrome,FireFox
* **OS**:Windows 10
* **Tools**:Cypress

**Test data**

We will add following Data to valid our Registration Form

| **Field** | **Valid Data** | **Invalid Data** |
| --- | --- | --- |
| Full Name | Sana Sajid | Null |
| Email Address | sanaSajid@304.gmail.com | Sanasajid@gmailcom |
| Password | Saa7@aa1 | saa@1 |
| Confirm Password | Saa7@aa1 | saa@1 |
| Date of Birth | 2/11/1999 | Null |
| Gender | Male/female/other | Null |
| Newsletter | Yes/No | unchecked/Null |

**Testing Scenario**

* Enter invalid Email Address and submit the form
* Enter Password of less than 8 character
* Leave required Field Empty and Submit The form
* Enter mismatched Password & Confirm Password and Submit The form
* Enter valid data & submit the User data to the Server

**Test Execution Schedule**

Specify how testing will be conducted schedule-wise

| **Activity** | **Date** | **Role** |
| --- | --- | --- |
| Test Plan | July 15,2024 | QA lead ,QA Engineer |
| Test Design | July 16,2024 | QA Engineer |
| Test Environment Setup | July 17,2024 | QA Engineer,Devops Team |
| Test Execution | July 18 - july 19,204 | QA Engineer |
| Bug Reporting and retesting | July 19,2024 | QA Engineer,Developers |
| Test Completion | July 21,2024 | QA lead,QA Engineer |

**Risks & Assumptions**

**Risks**

* Delay in execution of tests because of not proper Environment Setup
* InComplete test Data may affect the test coverage

**Assumptions**

* All required Fields must be carefully mentioned in Registration Form
* Error message which should be Displayed for each invalid Input case should be Specified in the Requirements

Test Cases

Positive Test-Case

| **Test Scenario ID** | | Reg-1 | | | **Test Case ID** | | | Reg-1A | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case**  **Description** | | Form Submission on Valid User Input | | | **Test Priority** | | | High | | |
| **Prerequisite** | | Should be on Registration Form | | | **Post-Requisite** | | | Form should be submit Successfully | | |
| Test Execution Steps: | | | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected**  **Output** | | **Actual**  **Output** | **Test**  **Browser** | | **Test**  **Result** | **Test**  **Comments** | |
| 1 | Enter Valid User Input and click Submit Button | | **FullName**:Sana Sajid  **Emai**l:[SanaSajid@gmail.com](mailto:SanaSajid@ggmail.com)  **Passord**:Saa7@aa1  **ConfirmPassword**:Saa7@aa1  **DateofBirth**:2/11/1999  **Gende**r:Female  **Newsletters:** Yes | Form Data should be Submitted on Server | | Form Data submitted on server | IE -11 | | Pass | Test has been passed | |
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Negative Test-Case

| **Test Scenario ID** | | Reg-2 | | | **Test Case ID** | | | Reg-2A | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case**  **Description** | | Form Shouldn’t Submit on In Valid Email Address | | | **Test Priority** | | | High | | |
| **Prerequisite** | | NA | | | **Post-Requisite** | | | User remains on the registration form page. | | |
| Test Execution Steps: | | | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected**  **Output** | | **Actual**  **Output** | **Test**  **Browser** | | **Test**  **Result** | **Test**  **Comments** | |
| 1 | Enter Valid User Input and click Submit Button | | **FullName**:Sana Sajid  **Emai**l:[SanaSajid@gmailcom](mailto:SanaSajid@ggmail.com)  **Passord**:Saa7@aa1  **ConfirmPassword**:Saa7@aa1  **DateofBirth**:2/11/1999  **Gende**r:Female  **Newsletters:** Yes | 1) Invalid Email Address should be displayed on Screen  2) form should not submit on server | | Error Message of invalid Email Address is displayed  Fom is not Submitted | IE -11 | | Pass | Test has been passed | |
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Negative Test Case

| **Test Scenario ID** | | Reg-3 | | | **Test Case ID** | | | Reg-3A | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case**  **Description** | | Form Shouldn’t Submit on In Password less than 8 char | | | **Test Priority** | | | High | | |
| **Prerequisite** | | NA | | | **Post-Requisite** | | | User remains on the registration form page. | | |
| Test Execution Steps: | | | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected**  **Output** | | **Actual**  **Output** | **Test**  **Browser** | | **Test**  **Result** | **Test**  **Comments** | |
| 1 | Enter Valid User Input and click Submit Button | | **FullName**:Sana Sajid  **Emai**l:[SanaSajid@gmail.com](mailto:SanaSajid@ggmail.com)  **Password**:Saa7@  **ConfirmPassword**:Saa7@  **DateofBirth**:2/11/1999  **Gende**r:Female  **Newsletters:** Yes | 1)error Message should be displayed Password should be of at least 8 character  2) form should not submit on server | | Error Message : password should be of at least 8 character  Fom is not Submitted | IE -11 | | Pass | Test has been passed | |
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Scenario Identification

**Positive Scenarios**

1. **Scenario 1: Valid Registration**
   * **Steps:** fill out the fields and click on Submit Button
   * **Expected Outcome:** Form data should be submitted to server and success message should be displayed on screen
2. **Scenario 2: Newsletter Subscription**
   * **Steps:** fill out the Form with valid Input and select Yes for NewsLetter
   * **Expected Outcome:** Form Data Should be submitted on the server , and the user is subscribed to the newsletter.

**Negative Scenarios**

1. **Scenario 1: Invalid Email Address**
   * **Steps:** Fill out the registration form with invalid Email address
   * **Expected Outcome:** Error message of invalid Email Address should be displayed on Screen and form should not be submitted

2.  **Scenario 2: Password Mismatch**

* + **Steps:** Fill out the form with a valid password but a different confirm password, and click the submit button.
  + **Expected Outcome:** An error message is displayed indicating the passwords do not match.