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| **Test Plan** |
| **Objective Definition:** Objective for the Registration form is to verify the behaviour and the correctness of all the mandatory fields and the User should be able to complete the Registration successfully.  **Test Scope:** The Scope of the Registration Form must include both positive and negative scenarios related to the condition for all the fields, buttons and the User Interface validations. **Test Environment:** Assuming the testing will take place in Test Environment.  **Test Approach:**  1. **Input Fields**:   * The typical input fields for a registration form include:   + Name   + Phone Number   + Email Address   + User ID   + Password   + Submit   + Cancel   + Clear   2. **Page Layout and UI Validation Scenarios**:   * Ensure that required fields are marked as mandatory (usually denoted by an asterisk). * Validate special character business logic for username, password fields. * Verify length restrictions (both minimum and maximum) for Name, Phone number, Email Address, User ID, Password * Check for additional business logic around each input field.   3. **Server-Side Validation Scenarios:**   * Test if the registration form displays the right error messages for invalid or wrong inputs. * Verify that the form clears all fields after successful registration. * Test if the registration process allows users to enter special characters where applicable.   **4.Positive and Negative Test Cases:**   * Write both positive (valid input) and negative (invalid input) test cases for each scenario. * Cover edge cases, boundary values, and common user interactions.   **Test Data:** Determine the test data needed for the test cases. Prepare specific input values for testing. **Test Execution:** Specify how the tests will be executed (manually or using automation tools). **Test Deliverables:** List the expected deliverables, such as test reports, defect logs, and documentation. **Roles and Responsibilities:** Define the roles of team members involved in testing (e.g., testers, developers, test lead).  **Exit Criteria:**  These criteria define when the registration process is considered complete and successful.   * The name field should accept a minimum of **3 characters** and a **maximum of 25 characters.** * The phone number should start with either 0 or +, followed by 8 to 13 digits. * The email address should follow the standard format**: example@example.com.** * The user ID (username) must be between 5 and 8 characters in length. * The password should be between 4 and 10 characters. * It must contain at least:   One special character (such as !, @, #, etc.)  One capital letter (A-Z).  **Risk Assessment:** Identify potential risks related to testing the demo function and propose mitigation strategies.  **Test Schedule:** Create a timeline for test execution.  **Review and Approval:** Ensure that this document is reviewed and approved by relevant stakeholders. |
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| **Test Strategy** |
| 1.Validate the boundary conditions for each and every fields and buttons and UI |
| 2.Prioritize the Positive test cases and Negative test cases. |
| **Execution Report** |
| Test Execution Report for Registration Form   1. **Name Validation**:    * We tested the name field with various inputs:      + Valid names (within the specified length range).      + Invalid names containing special characters (which should be rejected).    * All tests passed successfully. 2. **Phone Number Validation**:    * We have verified phone numbers:      + Started with either 0 or +.      + Had 8 to 13 digits following the prefix.    * All valid phone numbers were accepted, and invalid ones were rejected. 3. **Email Address Validation**:    * We tested email addresses:      + Valid formats (e.g., example@example.com).      + Invalid formats (e.g., missing @, incorrect domain).    * The form correctly validated email addresses. 4. **UserID Validation**:    * We checked user IDs:      + Ensured they were between 5 and 8 characters.      + Rejected any containing special characters.    * All valid user IDs were accepted. 5. **Password Validation**:    * Passwords were tested:      + Length validation (between 4 and 10 characters).      + At least one special character and one capital letter.    * The form correctly enforced password rules. 6. **Submit and Cancel Buttons**:    * We verified that clicking Submit triggered form submission.    * Clicking Cancel cleared all fields. 7. **Error Handling**:    * Error messages were displayed for invalid inputs.    * The form guided users to correct their mistakes. 8. **Security Measures**:    * Sensitive data (like passwords) was handled securely.    * No vulnerabilities were detected. 9. **Usability and Layout**:    * The form layout was not at all user friendly    * Labels were not aligned properly. |
| **Defect Report** |
| Defect Report for Registration Form   1. **User Interface:**    * Issue: User Interface is not looking good and all fields are not in proper order    * Expected: User Interface should be good looking and all the fields should be in proper Order 2. **User ID Field:**    * Issue: Form is getting submitted with the already Registered information.    * Expected: "Form should not be submitted with duplicate User ID value - alert message should be displayed to indicate as 'already exist'    * ". 3. **Email Address Field:**    * Issue: Accepts emails without any domain.    * Expected: Form should not be submitted with the invalid email Address-Ex: **praveen. eee29@gmail** - gave input value without domain name for testing purpose 4. **Password Field:**    * Issue: Password text box is not accepting the value if it is not having atleast one number - missing this detail in the instruction    * Expected: Password should be created with the given instructions. |