

Test Plan Document: Registration Page

Objective:

The objective of this test plan is to ensure that the registration page functions correctly and efficiently, adhering to the specified requirements and conditions for each mandatory input field.

Scope:

This test plan covers the testing of the registration page, focusing on validating the input fields and their respective conditions. It includes testing of the name, phone number, email address, user ID, password fields, as well as the functionality of the submit, cancel, and clear buttons.

Test Scenarios:

Scenario Description	Test Data/Steps	Expected Result	Actual Result	Pass/Fail
Verify name input field allows a minimum of 3 characters	Enter a name with 3 characters	Name field accepts input		
Verify name input field allows a maximum of 25 characters	Enter a name with 25 characters	Name field accepts input		
Verify name input field does not accept special characters	Enter a name with special characters	Name field shows error message		

Verify error message is displayed if the name field is left blank	Leave the name field blank	Name field shows error message		
Verify phone number input field accepts '0' as the starting digit	Enter a phone number starting with 0	Phone number field accepts input		
Verify phone number input field accepts '+' followed by digits	Enter a valid phone number	Phone number field accepts input		
Verify phone number input field rejects alphabets and special characters	Enter alphabets or special characters	Phone number field shows error message		
Verify error message is displayed if the phone number field is left blank	Leave the phone number field blank	Phone number field shows error message		
Verify email address input field accepts valid email addresses	Enter a valid email address	Email address field accepts input		

Verify email address input field rejects invalid email formats	Enter an invalid email address	Email address field shows error message		
Verify error message is displayed if the email address field is left blank	Leave the email address field blank	Email address field shows error message		
Verify user ID input field allows a minimum of 5 characters	Enter a user ID with 5 characters	User ID field accepts input		
Verify user ID input field allows a maximum of 8 characters	Enter a user ID with 8 characters	User ID field accepts input		
Verify error message is displayed if the user ID field is left blank	Leave the user ID field blank	User ID field shows error message		
Verify password input field allows a minimum of 4 characters	Enter a password with 4 characters	Password field accepts input		

Verify password input field allows a maximum of 10 characters	Enter a password with 10 characters	Password field accepts input		
Verify password input field contains at least one special character	Enter a password with a special character	Password field accepts input		
Verify password input field contains at least one capital letter	Enter a password with a capital letter	Password field accepts input		
Verify error message is displayed if the password field is left blank	Leave the password field blank	Password field shows error message		
Verify submit button successfully registers the user	Fill all fields with valid data and click Submit	Form submits successfully		
Verify submit button displays appropriate error messages	Fill some or all fields with invalid data and click Submit	Form shows error messages and does not submit		

Verify cancel button functionality	Click the cancel button	Redirects the user to the previous page or clears all fields and returns to the initial state		
Verify clear button functionality	Click the clear button	Clears all input fields above		

Test Execution:

1. Manual Testing:

- Perform manual testing of each test scenario mentioned above.
- Document the test results, including any observed deviations or defects.

2. Automated Testing (Optional):

- If applicable, automate the testing process using suitable automation tools.
- Create test scripts to validate the functionality of each input field and button.

Test Data:

- Prepare test data covering boundary conditions and valid/invalid inputs for each input field.
- Utilize different combinations of data to ensure comprehensive testing coverage.

Test Environment:

- Ensure that the testing environment replicates the production environment as closely as possible.
- Use appropriate browsers and devices for testing compatibility.

Test Reporting:

- Record and report all test results, including passed tests, failed tests, and any defects identified during testing.
- Document any suggestions or recommendations for improvement.

Conclusion:

Upon completion of testing, ensure that all requirements have been met satisfactorily and that the registration page functions correctly according to the specified conditions. Any defects or issues identified should be documented and addressed promptly to ensure the reliability and usability of the registration functionality.