

Test Report – User Registration Website

Project: To-do Task list Management

Module: User Registration Form

Assignee: Adarsha Yemparala

Reporter: Adarsha Yemparala

Issue: TDTLM-1

Timeline: Sprint-01 (Nov 10 – Nov 21 2025)

Test Summary

Metric	Value
Total Test Cases	6
Passed	4
Failed	2
Blocked	0
Pass Rate (%)	66%
Build Version	1.0.0
Browser Version	Chrome 90.214
OS	Windows 11

Test Scope

This test report covers:

- Form input validation
- Client-side email/password validation
- API failure handling
- API success flow
- UI state updates
- Loading state
- Error message rendering

Out of scope:

- Cross-browser testing
- Accessibility testing

Test Case Overview

Test Case ID	Description	Precondition	Steps to Reproduce	Expected Outcome	Actual Outcome	Status
TC-01	Required Fields validation	App loads successfully	Leave either one or more of the fields to blank and hit 'Register'	Throws "All fields required" error and calls hitFailureAPI()	Behavior is as expected.	PASS
TC-02a	Name Format validation	App loads successfully with validated fields expect Name	In the name field, enter an invalid name that contains less than 3 characters, then hit 'Register'	Throws "Name must be at least 3 characters" error and calls hitFailureAPI()	Behavior is as expected.	PASS
TC-02b	Name format validation for invalid characters	App loads successfully with validated fields expect Name	In the name field, enter the value greater than 3 characters having numerals or special characters for eg: 'John123#'	Throws "Name must contain only alphabets and spaces" error and calls hitFailureAPI()	Invalid name gets validated and user successfully registers	FAIL
TC-03	Email Format Validation	App loads successfully with validated fields except Email	In the email field, enter invalid email format, such as email starting with numerals	Throws "Invalid email format" error and calls hitFailureAPI()	Invalid email gets validated and user successfully registers	PASS
TC-04	Password Validation	App loads successfully with validated fields except Password	In the password field enter a string with a length less than 6 characters and hit 'Register'	Throws "Password length must be atleast 6 characters" and calls hitFailureAPI()	Successfully throws "Password length must be atleast 6 characters" but failureAPI is not evoked	FAIL
TC-05	hitSuccessAPI() call	App loads successfully with all the validated fields	Input all the fields following the proper business rules	Shows "User saved" and calls hitSuccessAPI(), display API message.	Behavior is as expected.	PASS
TC-06	Loading state visibility	App loads successfully with all the	Input all the fields following the proper business rules	Shows "Loading..." label on the Register button	Behavior is as expected.	PASS

		validated fields				
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Test Coverage:

Listed requirements during this sprint (User Registration Form)

1. **R1:** Name field should take at least 3 characters that contains only alphabets and spaces.
2. **R2:** Email field should be validated against the format, should invoke appropriate API based on the result.
3. **R3:** Password field should contain at least 6 characters.
4. **R4:** On the entry of the validated data, the “User saved” message along with the API message should be visible.
5. **R5:** On the entry of the validated data, “Loading...” state should be visible before the successful registration.
6. **R6:** Application should let the user register only when all the required fields have been entered.

Requirements Traceability Matrix (RTM):

Test Case/ Req.	R1	R2	R3	R4	R5	R6
TC-01						
TC-02a						
TC-02b						
TC-03						
TC-04						
TC-05						
TC-06						

Bug Report

Bug #1:

Description: Name regex set in the code but is not invoked while submitting through ‘Register’ button.

Test Data & Observed Behavior:

Name	Validation	Remarks
Adarsha	PASS	Successfully lets the user register
Ad	PASS	throws respective error message
Adarsha194\$	FAIL	User registers with invalid name

Affected test cases: TC-02b

Reproduction Steps:

1. After loading the app, enter the valid field values in email and password.
2. Enter names that contain numerals or special characters.

Test Sets: {Name: "Adarsha194\$", Email: adarsha@gmail.com, Password: "Adarsha123"},

{Name: "John123#\$&", Email: j@gmail.com, Password: "John123"},

Recommended fixes: Implement name validation logic during the form submission.

Severity: CRITICAL

Impact: Allowing users to submit invalid or non-alphabetical names leads to data quality issues, incorrect customer identity records, and inconsistent database entries, causing further problems in reporting, analytics and integration.

Bug #2:

Description: The failureAPI is not being called when password validation fails, either due to incorrect program flow or missing code

Affected test cases: TC-04

Recommended fixes: Fix validation block by calling: await hitFailureAPI()

Reproduction Steps:

1. After loading the app, enter the valid field values in name and email.
2. Enter the password which contains less than 6 characters.

Test Sets: {Name: "John", Email: j@gmail.com, Password: "Ad125"},

Severity: HIGH

Impact: If the failure API is not called during password validation errors, the system behaves inconsistently. This results in missing error logs, incomplete audit trails, and incorrect failure metrics. Monitoring dashboards might display invalid success rates.