

Test Plan of Registration form

1. Introduction

This test plan outlines the strategy, objectives, scope, and execution schedule for testing the online registration form of our website. The form collects essential user information, including Full Name, Email Address, Password, Confirm Password, Date of Birth, Gender, and Newsletter Subscription preferences.

2. Objectives

The primary objective of this test plan is to ensure the registration form functions correctly and meets specified requirements. This includes verifying that all input fields accept appropriate data, validations work as expected, and the form submits successfully.

3. Scope

The scope of testing includes:

- Functional testing of all form fields
- Validation testing for input data
- Usability testing of the form layout and flow
- Compatibility testing across different browsers and devices
- Security testing for password fields

4. Test Environment

The testing will be conducted in the following environment:

- **Operating Systems:** Windows, macOS, Linux
- **Browsers:** Google Chrome, Mozilla Firefox, Microsoft Edge, Safari
- **Devices:** Desktop, Tablet, Mobile
- **Network Conditions:** Varying internet speeds to simulate different user conditions

5. Test Data

Sample data to be used for testing:

- **Full Name:** John Doe, Jane Smith
- **Email Address:** validemail@example.com, invalidemail@, emailwithoutat.com
- **Password:** Pass1234, short, passwordwithoutnumbers
- **Confirm Password:** Pass1234, mismatchpassword
- **Date of Birth:** 1990-01-01, 2025-12-31 (future date)
- **Gender:** Male, Female, Other
- **Newsletter Subscription:** Yes, No

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6. Test Scenarios

1. Form Field Validation:
2. Email Validation:
3. Date of Birth Validation:
4. Gender Selection:
5. Newsletter Subscription:
6. Form Submission:

->Detailed test scenarios and test cases are documented separately in the following sheet:

<https://docs.google.com/spreadsheets/d/1ZZyKcy1BG7ldw346bb9t-z08ZzpCVtgHKL4fbI59msl/edit?usp=sharing>

7. Test Execution Schedule

- **Week 1:** Prepare test environment and test data
- **Week 2:** Execute functional and validation tests
- **Week 3:** Perform usability and compatibility tests
- **Week 4:** Conduct security testing and prepare test report

8. Risks and Assumptions

- **Risks:**
 - Delays in setting up the test environment.
 - Potential bugs in the form validation logic.
 - Incompatibilities across different browsers and devices.
- **Assumptions:**
 - All required resources and tools will be available for testing.
 - The development team will fix reported bugs promptly.
 - The test environment accurately reflects the production environment.