

Registration_Form

Test Plan

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Table of Contents

1. Introduction
2. Test Strategy
3. Execution Strategy
4. Test Management
5. Test Roles and Responsibilities
6. Milestone/Deliverables

1. Introduction

1.1 Purpose

This registration form is a list of fields where a user inputs data and submits it to a company or individual. The purpose of the form is to organize and maintain an efficient system for collecting and passing on information.

1.2 Project Overview

We check the Registration_Form input field and observe if it is working or not. After the Registration_Form input field properly then the submit option and observe the registration_form properly connects the database management system or store the data in the server.

2. Test Strategy

Software development is inherently complex, and errors can frequently occur. In traditional development methodologies, many issues are discovered during later stages, often when the application is already in use by end users. This context underscores the need for a robust testing framework for the Registration_Form.

2.1 Test Objectives

- Identifying defects introduced during the software development process.
- Verifying that the Registration_Form input field
- Building confidence in the application' s quality by providing clear insights into its performance.
- Preventing future defects through thorough testing.
- Ensuring compliance with the Registration_Form and System Requirements Specification (SRS).
- Gaining customer confidence by delivering a high-quality product.
- Certifying the application for release into the production environment.

Functional Testing

- During functional testing, the team will utilize preloaded data available at the time of execution.
- Functional testing will be performed on each module.

User Acceptance Testing (UAT)

- UAT execution will be conducted by end users (L1, L2, and L3), with support from the QA Group in creating UAT scripts.

3. Execution Strategy

3.1

- Business requirements and design are documented and approved.
- Unit testing is complete and passed.
- A test environment is set up; the initial smoke test is approved.

3.2

1. Identifies critical/high defects with workarounds. (1st cycle)
2. Addresses remaining defects, remove workarounds, and refines scripts. (2nd cycle)

UAT(user acceptance test) includes one cycle after functional testing.

3..3

- Defects are tracked in ClickUp by priority (Immediate to Low) and status (New to Ready for Release).
- Daily reviews by the technical team.

3..4

- All test cases are executed 90% pass rate.
- No critical/high defects are open; medium defects are closed.
- The remaining defects are documented as change requests or closed.
- Test results and metrics are documented in Google Sheets.

3.5

| Priority Level | Description |
|----------------|--|
| 3 - High | The defect should be resolved promptly as it is business-critical. |
| 5 - Low | The defect is an annoyance but can wait until more serious defects are resolved. |

3.6

| Status | Description |
|-------------|--|
| New | Indicates a new issue that needs resolution. |
| In Progress | Indicates that someone is working on the issue. |
| Fixed | Indicates that the developer has fixed the reported problem. |
| Reopen | Indicates that the issue is not fixed. |

4. Test Management

Tools Used:

- Google sheet is used for test management and defect tracking.
- Google Sheets stores all test artifacts, including test cases and results.

Access and Structure:

- All team members have Read/Write access to modify test cases in Google Sheets and update issues in Google Sheets.

Test Design Process:

- Test cases are written and reviewed in Google Sheets.

- QA Lead reviews test cases, and testers rework based on feedback.
- Clarifications and updates are documented in a Google sheet shared with the requirements team.

Test Execution Process:

- Testers execute test cases in Google Sheets and report results (Pass/Fail/Process).

Defect Management:

- Defects are tracked in Google Sheets and reassigned to testers after developer fixes.
- Testers verify fixes and update Google Sheets accordingly.

5. Test Roles and Responsibilities

The following list defines the expectations related to the roles directly involved in the management, planning, or execution of the test for the Registration Form project.

Project Manager:

- Ensure the overall project adheres to deadlines and quality standards.
- Facilitate communication between the development and QA teams.
- Manage resources, and project timelines, and resolve high-level issues.

- Approve the test plan and ensure testing is part of the overall project plan.

QA Manager:

- Oversee the entire testing process, including planning, execution, and reporting.
- Develop the test plan and ensure coverage for each page of the form (functionality, validation, compatibility, and performance).
- Assign tasks to QA Members and monitor the progress of testing activities.
- Communicate with the Project Manager and Development Team Leader on test progress, issues, and risks.
- Ensure all bugs are tracked, documented, and resolved.

Development Team Leader:

- Ensure the 4-page registration form is developed according to requirements.
- Provide technical support to the QA team during testing.
- Communicate with the QA Manager to prepare for bug fixes and adjustments during the testing phase.
- Ensure timely delivery of bug fixes and feature changes as identified during the testing process.

Test Engineer/Tester 1:

- Designs and writes test cases.
- Executes functional testing (testing the features of the registration form to ensure they work correctly).

- Reports any bugs or defects found during testing.

Test Engineer/Tester 2:

- Executes usability testing (ensures the form is user-friendly).
- Performs compatibility testing (checks the form on different devices and browsers).
- Ensures that all test cases are completed and documented.
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6. Milestone/Deliverables

Milestone 1: Requirement Gathering and Test Planning Completed

- Start Date: 10/2/2024
- End date: 10/4/2024
- Description: The Project Manager and Development Team Leader finalize all the details and requirements for the 4-page registration form. The QA Manager prepares the test plan, which includes testing for each page, validation rules, and form submission.

Milestone 2: Test Case Design Completed

- Start Date: 10/5/2024
- End Date: 10/7/2024

- **Description:** The QA Members design detailed test cases for each page of the form, covering field validations, page navigation, and the final submission process.

Milestone 3: Development Completed & Form Ready for Testing

- **Start Date:**10/8/2024
- **End Date:**10/12/2024
- **Description:** The Development Team Leader confirms that the form is ready for testing. The 4-page form is fully developed with proper field validations, user input handling, and page navigation.

Milestone 4: Initial Test Execution & Bug Reporting

- **Start Date:** 10/13/2024
- **End Date:** 10/15/2024
- **Description:** QA Members begin executing the test cases for all four pages. They ensure that every field functions correctly, and all pages transition smoothly from one to the next. Bugs and issues are logged and reported to the Development Team Leader.

Milestone 5: Bug Fixing and Retesting

- **Start Date:** 10/16/2024
- **End Date:** 10/18/2024
- **Description:** The Development Team fixes the reported bugs, and the QA Members retest the form to ensure that the fixes work and no new bugs have been introduced.

Milestone 6: Final Testing (Compatibility, Usability, Performance)

- Start Date: 10/19/2024
- End Date: 10/20/2024
- **Description:** QA Members complete final rounds of testing, including compatibility testing across different browsers and devices. They also ensure the form is easy to use and performs well (quick page loading, responsive design).

Milestone 7: Project Sign-Off

- Start Date: 10/21/2024
- **Description:** Once the QA Manager confirms that all critical bugs are fixed and the form works as expected, the Project Manager signs off on the project.