

Test Plan

Test Plan for Login, Signup, and Home Page Functionalities

Test Plan Name: Login, Signup, and Home Page Functionalities Testing

Project Name: Finance Management Web Application

Prepared By: Manoj Kumar

Test Plan Start Date: 14th December 2024

Test Plan End Date: 19th December 2024

1. Introduction

This test plan outlines the approach, resources, schedule, and scope for testing the Finance Management web application's "Login," "Signup," and "Home Page" functionalities. The objective is to ensure these features are functional, user-friendly, and secure across various platforms and devices.

2. Scope

In Scope:

- Validation of "Login" and "Signup" page functionalities, including form validation, error handling, and responsiveness.
- Testing of Home Page functionalities such as adding income/expense, editing/deleting transactions, applying filters, and downloading transaction details.
- Verification of UI/UX consistency and user interactions.

Out of Scope:

- Stress and load testing.
 - Functionalities not related to Login, Signup, or the Home Page.
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3. Test Objectives

- To ensure that users can log in, sign up using valid credentials, and encounter proper validations for invalid inputs.
- To verify the addition, deletion, and editing of transactions on the Home Page.
- To confirm the accessibility and usability of all UI elements.
- To ensure responsiveness across devices and browsers.

4. Test Strategy

Testing Types:

- **Functional Testing:** Validate Login, Signup, and Home Page functionalities.
- **Usability Testing:** Ensure ease of use and consistent design.
- **Compatibility Testing:** Check functionality on various browsers and devices.
- **Security Testing:** Verify data security measures such as password masking and invalid login attempts.

Test Execution Schedule:

- **14th December 2024:** Test planning, environment setup, and initial test case execution for Login/Signup.
 - **15th December 2024:** Complete execution of Login/Signup test cases.
 - **16th December 2024:** Execute test cases related to Home Page functionalities.
 - **17th December 2024:** Perform UI/UX testing and compatibility tests.
 - **18th December 2024:** Execute security testing and re-execute failed test cases.
 - **19th December 2024:** Test closure activities, including summary reporting and sign-off.
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5. Test Environment

Test Devices:

- Desktop (Windows 11)

Browsers:

- Chrome
- Firefox
- Microsoft Edge

Test Data:

- Valid and invalid credentials for Login/Signup.
 - Sample transactions for adding/editing/deleting income and expenses.
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6. Resources

Testers:

- Manoj Kumar (Lead Tester)

Tools:

- Test management tool (e.g., JIRA, TestRail)
 - Browsers and devices for compatibility testing
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7. Risks and Mitigation

Risk: Delayed testing due to environment setup issues.

Mitigation: Ensure early setup and validation of the testing environment.

Risk: Incomplete test coverage due to tight deadlines.

Mitigation: Prioritize high-risk and high-impact test cases for execution.

8. Test Deliverables

- **Test Cases:** Documented and stored in the test management tool.
 - **Test Execution Report:** Daily progress reports.
 - **Final Test Summary Report:** Includes overall results and recommendations.
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9. Entry and Exit Criteria

Entry Criteria:

- Test environment set up and ready.
- Test cases reviewed and approved.

Exit Criteria:

- All planned test cases executed.
 - No high-severity defects remain open.
 - Test summary report reviewed and approved.
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10. Approvals

Test Lead: Test Lead

Project Manager: Biju

Stakeholders: Stephen Chitaranjan