

# Test Plan for Secure Bank Website

## 1. Introduction

Project Name: Secure Bank Website

Purpose of Testing: To validate that all functionalities of the Secure Bank website work as intended and meet user requirements.

Scope:

- - Included: Functionalities related to user registration, login, password management, and transaction operations.
- - Excluded: Backend database performance tuning, third-party payment gateway testing.

Objective: To identify and resolve functional, usability, and security issues before deployment.

## 2. Test Scope

Features to be Tested:

- - User Registration
- - User Login
- - Forgot Password
- - Create New Transactions
- - Transactions

Features Not to be Tested:

- - Backend integrations with external APIs
- - Advanced analytics or reporting functionalities

## 3. Test Strategy

Levels of Testing: Unit Testing, Integration Testing, System Testing, User Acceptance Testing (UAT)

Types of Testing: Functional Testing, Usability Testing, Security Testing, Regression Testing

Test Approach: Combination of manual and automated testing. Automation for repetitive tasks such as regression tests.

## 4. Test Environment

Hardware Requirements: Windows 10 PC with 8GB RAM, Smartphones (iOS and Android)

Software Requirements: Chrome, Firefox, Safari, Edge; Selenium (automation), Postman (API testing)

Test Data: Sample user data for registration and login; Sample transaction data (valid and invalid).

5. Test Schedule

Phase	Start Date	End Date
Test Planning	26-Nov-2024	28-Nov-2024
Test Case Design	29-Nov-2024	30-Nov-2024
Test Environment Setup	30-Nov-2024	30-Nov-2024
Test Execution	01-Dec-2024	01-Dec-2024
Bug Fix and Re-testing	02-Dec-2024	02-Dec-2024
Final Report and Sign-off	03-Dec-2024	03-Dec-2024

6. Test Criteria

Entry Criteria:

- - Complete access to the Secure Bank website features.
- - Test environment fully set up.
- - Approved test cases.

Exit Criteria:

- - All critical and high-priority test cases executed.
- - 95% of critical defects resolved.
- - Test summary report approved by stakeholders.

7. Roles and Responsibilities

Role	Responsibility
Test Lead	Create the test plan, assign tasks, and track progress.
Test Engineers	Design and execute test cases, log defects, and verify fixes.
Developers	Resolve defects and provide support during testing.

Project Manager	Approve the test plan and ensure timely delivery.
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## 8. Risks and Mitigations

Risk	Mitigation
Delays in setting up the test environment	Start environment preparation early and test in parallel.
Scope creep during testing	Clearly define and lock the test scope upfront.
High defect count in critical features	Prioritize critical defect resolution early.

## 9. Tools

Test Management: Jira or TestRail

Automation: Selenium WebDriver

API Testing: Postman

Bug Tracking: Jira

Security Testing: OWASP ZAP

## 10. Deliverables

Test Plan Document

Test Cases and Scripts

Test Results Report

Defect Log

Final Test Summary Report

## 11. Approval

Stakeholder	Name	Signature
QA Lead	Jishan Ahmed Rabbi	Jishan
Project Manager	Ehsanul Sabbir	Sabbir