Test Plan – Source Bank Web Application

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# 1. Introduction

This Test Plan outlines the overall testing strategy for the Source Bank Web Application, a secure, web-based banking system. It defines the scope, objectives, methodology, resources, deliverables, and schedule to be followed during the manual testing process.

# 2. Objective

• To validate the functionality and usability of the Source Bank application  
• To detect and document defects through structured manual testing  
• To ensure that all business-critical workflows operate as expected  
• To improve application quality before release

# 3. Scope

In Scope:  
• Landing Page: Login, Sign Up, Forgot Password  
• Dashboard  
• Transaction Page: Create Transaction, View History, Search  
• Store: Buy services, View purchased items  
• Logout and Navigation  
• UI Consistency & Field-Level Validations  
• Client-side validations and error handling

Out of Scope:  
• Automation Testing  
• Backend Load/Performance Testing  
• Mobile Responsiveness Testing

# 4. Test Approach

• Manual black-box testing simulating real user behavior  
• Test cases based on UI flows, validation rules, business logic  
• Independent and integrated module testing  
• Defects tracked manually (Excel/Notion)  
• Retesting and regression for each defect fix

# 5. Test Environment

Platform: Web-based application  
Devices: Desktop / Laptop  
OS: Windows 10+  
Browsers: Chrome, Firefox  
Server: Localhost (Docker)  
DB Tool: DBeaver

# 6. Test Case Design Techniques

• Equivalence Partitioning  
• Boundary Value Analysis  
• Error Guessing  
• Use Case Testing

# 7. Test Types

Functional Testing, UI Testing, Validation Testing, Smoke Testing, Regression Testing, Basic Security Testing

# 8. Entry and Exit Criteria

Entry:  
• App deployed in test/staging  
• Modules are stable  
• Test cases are ready  
  
Exit:  
• All test cases executed  
• Critical defects resolved  
• Test summary documented

# 9. Test Deliverables

• Test Plan  
• Test Cases (Excel)  
• Bug Reports  
• Test Summary Report  
• Mind Maps  
• Test Metrics Sheet

# 10. Roles and Responsibilities

Tester: MD. Abdul Alim  
Responsibilities: Test design, execution, logging, reporting

# 11. Defect Management

Defects tracked in Excel/Notion:  
• ID, Summary, Module, Steps  
• Severity, Status, Screenshot

# 12. Tools Used

MS Word/Excel, Draw.io/XMind, Browser DevTools, DBeaver

# 13. Risks and Mitigation

Missed Edge Cases → Use checklists  
Time Constraints → Prioritize critical modules  
Browser Issues → Use Chrome & Firefox

# 14. Test Schedule

Test Case Design: May 25 – May 26  
Execution: May 27 – May 29  
Bug Fixing: May 30 – May 31  
Final Report: June 1, 2025