1. Introduction

This test plan defines the manual testing approach for the secure bank website. The focus is to ensure the website functions correctly, securely, and efficiently while providing a seamless user experience.

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2. Scope

The testing scope includes the website's core functionalities, security mechanisms, user interface, and performance under various scenarios.

In-Scope:

- User authentication and authorization.
- Core banking functionalities like transactions, balance checks, and account management.
- Compliance with security and usability standards.

Out-of-Scope:

- Automated testing.
- Third-party system integration testing.

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3. Objectives

- Validate that all user actions function as intended.
- Ensure secure handling of user data and transactions.
- Identify and report defects in the application.
- Confirm compatibility across different browsers and devices.

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4. Test Approach

4.1 Test Types

1. **Functional Testing**
   - Validate login/logout functionality.
   - Verify transactions: transfers, deposits, withdrawals, and payments.
   - Test profile management: updating details and resetting passwords.
2. **Security Testing**
   - Test password policies and account lockout after failed attempts.
   - Validate session management, such as session expiration and re-authentication.

o Check secure data transmission using HTTPS.
3. **Usability Testing**
     o Evaluate the website's navigation and responsiveness.
     o Test error messages for clarity and helpfulness.
4. **Compatibility Testing**
     o Perform manual tests on browsers (Chrome, Firefox, Safari, Edge).
     o Test responsiveness on devices (mobile, tablet, desktop).
5. **Performance Testing (Basic)**
     o Simulate multiple users manually to observe response time and application stability.

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5. Test Environment

- **Devices:** Windows PC, macOS, Android, iOS
- **Browsers:** Chrome, Firefox, Safari, Edge
- **Network Conditions:** High-speed and limited bandwidth
- **Test Data:** Mock accounts with valid/invalid credentials, test transactions

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6. Test Deliverables

- Test Cases Document
- Test Execution Logs
- Bug Reports
- Final Test Summary Report

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7. Approval

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