

# Test Plan – Banking System

## 1. Project Overview

This test plan outlines the testing strategy and scope for the Banking System. The application allows two users (User1 and User2) to perform core banking operations such as deposit, withdrawal, transfer, and more. It also includes features like dark mode and transaction history.

## 2. Objectives

- To verify the functionality of core banking features (deposit, withdrawal, transfer).
- To ensure the accuracy and reliability of transactions and history recording.
- To validate the UI/UX elements, including the toggle dark mode.
- To identify and log bugs before deployment.

## 3. Features to be Tested

- Deposit Functionality
- Withdraw Functionality
- Transfer Functionality
- Add Interest
- Reset Account
- Transaction History
- Filter Transactions
- Toggle Dark Mode

#### 4. Features Not to be Tested

- Backend integration with real banking systems.
- Data encryption or security aspects.
- API/database layers


#### 5. Test Scope

- **In-Scope:** UI Testing, Functional Testing, Data Validation, Manual and Automated test coverage.
- **Out-of-Scope:** Load Testing, Integration with 3rd-party systems.

#### 6. Test Approach

- **Manual Testing:** For verifying UI elements, simple flows, and edge cases.
- **Automation Testing:** Using Playwright to test repetitive flows like deposit, transfer, and reset.

#### 7. Test Deliverables

- Test Plan document ( this file)
- Manual Test Cases (Excel)
- Automated Test Scripts (<https://github.com/Akram-BSMRSTU/Banking-System>)
- Bug Reports
- Final Test Summary Report

#### 8. Test Environment

- **Browser:** Chrome, Firefox (latest)
- **OS:** Windows 10+
- **Tools:** Playwright, Excel, TestNG, IntelliJ

## 9. Entry Criteria

- The application build is deployed and ready
- Functional requirements are finalized
- Test data is available

## 10. Exit Criteria

- All critical and high-severity test cases have passed
- No blocker/critical bugs remain open
- All test cases executed with reports submitted

## 11. Roles and Responsibilities

Role	Responsibility
QA Engineer	Write and execute test cases
Developer	Fix defects and support QA
Test Lead	Review test results and ensure coverage