Test Plan - Fund Transfer Functionality in a Core Banking Application

1. Project Overview

This project covers functional, regression, and integration testing of the Fund Transfer feature within a core banking application. The functionality allows customers to transfer funds between their own accounts and to third-party accounts.

2. Scope of Testing

- Customer login verification
- Fund transfer between savings and current accounts
- IMPS, NEFT, RTGS transfers
- OTP-based verification
- Error handling (e.g., insufficient balance, invalid account number)

3. Testing Types Covered

- Functional Testing
- UI Testing
- API Testing
- Regression Testing
- UAT (User Acceptance Testing)

4. Assumptions

- The backend APIs are integrated and stable.
- Test data will be provided for various transfer types.
- OTP service is available in the test environment.

5. Test Environment

- Frontend: Angular (Web App)
- Backend: Java-based REST APIs
- Database: Oracle

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- Tools: Postman, Selenium, JIRA, TestNG

- Cloud: AWS DynamoDB for temporary transaction data

6. Sample Test Cases

Test Case ID	Description	Steps	Expected Result
TC01	Transfer between own accounts	Login -> Go to Transfers -> Select Own Accounts -> Enter Amount -> Sub	Transfer success message and upd
TC02	Insufficient balance error	Same as above but with excess amount	Error: 'Insufficient Balance'
TC03	Third-party transfer (IMPS)	Login -> Add Beneficiary -> Transfer via IMPS	Success message, transaction ID gen
TC04	OTP failure	Simulate invalid OTP	Error: 'Invalid OTP. Please try again.'

7. Defect Tracking

All defects will be logged in JIRA with severity, screenshots, and steps to reproduce.

8. Status Reporting

Daily status updates shared with the team on Slack and Confluence dashboard. Test summary report after each test cycle.

9. Exit Criteria

- All critical test cases executed

- No open Sev-1 or Sev-2 defects

- Test coverage above 90%