

## Test Report

### Test Case: Create and Update Account

Test Case ID: TC\_Banking\_001

Test Case Title: Create and Update Account in the Banking Application

#### Test Scenario:

- Create a new account for a user.
- Update the account details.
- Verify that the account is correctly created and updated.

#### Preconditions:

- The banking application should be running.
- The necessary services and repositories are initialized.

#### Test Data:

- **Account ID:** "A001"
- **Initial Account Type:** "Savings"
- **Updated Account Type:** "Checking"
- **Customer ID:** "C001"

#### Test Steps:

1. **Step 1:** Create a new account using the initial account data.
2. **Step 2:** Verify that the account is created with the correct details.
3. **Step 3:** Update the account type from "Savings" to "Checking".
4. **Step 4:** Verify that the account type is updated correctly.

### Iteration 1: Fail Case

#### Iteration Summary:

In the first iteration, there is an intentional mistake in the account creation process, where the account type is incorrectly set.

#### Test Input:

- **Account ID:** "A001"
- **Account Type:** "Savings" (Intentional typo)
- **Customer ID:** "C001"

**Expected Output:**

- Account creation should fail or proceed with incorrect data.
- Account update should either fail or proceed incorrectly.

**Actual Output:**

- Account creation proceeds with the incorrect type "Savings".
- Account update fails due to the incorrect initial account type.

**Test Result: FAIL****Remarks:**

- The account type was not validated during creation.
- The system allowed an invalid account type.

**Iteration 2: Pass Case****Iteration Summary:**

The error from the first iteration is fixed, and the account is created and updated correctly.

**Test Input:**

- **Account ID:** "A001"
- **Account Type:** "Savings"
- **Customer ID:** "C001"

**Expected Output:**

- Account should be created with type "Savings".
- Account type should be updated to "Checking".

**Actual Output:**

- Account created successfully with type "Savings".
- Account updated successfully to type "Checking".

**Test Result: PASS**

**Remarks:**

- The issue from the first iteration was resolved.
- Account creation and update flow works as expected.

**Final Test Report Summary**

Iteration	Test Case ID	Test Case Title	Result	Remarks
1	TC_Banking_001	Create and Update Account	FAIL	Typo in account type, update failed.
2	TC_Banking_001	Create and Update Account	PASS	Fixed typo, account created and updated successfully.