# Bank Account Management System

# Test Plan

## **Integration test plan**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | | **Description** | **Pre-Condition** | **Expected input** | **Expected Output** | **Actual output** |
| I01\_H01 | Create new account | | Customer is not registered before | Register with customer details and create new account | Creates new account and allows login with provided info | Creates new account and allows login with provided info |
| I02\_H02 | | Login | User is registered | User enters valid credentials | Successful login | Successful login |
| I03\_H02 | | Login | User isn’t register | User enters invalid credentials | Login failed | Login failed |
| I04\_H03 | | Update customer data | Registered user | New credentials | Update information | Update information |
| I05\_H03 | | Update customer data | Invalid user | New credentials | Displays invalid user | Displays invalid user |

Table no.3. Integration test plan

## **Unit test plan**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Description** | **Pre-Condition** | **Expected input** | **Expected Output** | **Actual output** |
| U01\_L01 | Registration | Customer provides his information | Customer information like username, password, phone number, address etc. are entered | Registration complete | Registration complete |
| U02\_L02 | Registration | Customer provides his information | Password entered is not as per requirements | Registration failed | Registration failed |
| U03\_L03 | Login | Credit amount into customer account | Customer enters amount | Balance gets updated | Balance gets updated |
| U04\_L04 | Login | Debit amount from customer account | Customer enters amount | Balance gets decreased | Balance gets decreased |
| U05\_L05 | Login | Several transactions are done | Customer selects to view transactions | Last 5 transactions are displayed | Last 5 transactions are displayed |
| U06\_L08 | Update | Pre-existing credentials | New credentials are entered | User information is updated | User information is updated |
| U07\_L09 | Update | Pre-existing customer information | New information is provided | Customer information is updated | Customer information is updated |
| U08\_L10 | Update | Initial deposit is <10000 | Update request is placed | Balance is debited | Balance is debited |
| U09\_L10 | Update | Initial deposit is >10000 | Update request is placed | Balance is credited with interest | Balance is credited with interest |
| U10\_L06 | Display | Registration is done | Customer information | Customer information is displayed | Customer information is displayed |
| U11\_L07 | Display | Transaction is done | Minimum one transaction is done | Last 5 transactions are displayed | Last 5 transactions are displayed |

Table no.4. Unit test plan