**1. Login Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| Login\_TC001 | Verify login with valid credentials | User is registered with valid username and password | User successfully logged in | 1. Navigate to login page. 2. Enter registered username in the username field (e.g., user123). 3. Enter correct password in the password field (e.g., password123). 4. Click the "Login" button. | User is redirected to the dashboard page. The header displays "Welcome, [Username]" confirming the login. | Functional |
| Login\_TC002 | Verify login with incorrect password | User is registered with a valid username and password | User not logged in | 1. Navigate to login page. 2. Enter registered username (e.g., user123). 3. Enter incorrect password (e.g., wrongpass). 4. Click the "Login" button. | Error message appears: "Incorrect password. Please try again." | Security |
| Login\_TC003 | Verify account lock after 3 failed attempts | User is registered with a valid username | User account temporarily locked | 1. Navigate to login page. 2. Enter registered username and incorrect password. 3. Click "Login". 4. Repeat step 2 and 3 three times consecutively. | Error message after 3 attempts: "Account locked due to multiple failed login attempts. Please try again after 15 minutes." | Security |
| Login\_TC004 | Verify "Forgot Password" functionality | User has access to registered email address | Password reset initiated | 1. Click the "Forgot Password" link on the login page. 2. Enter the registered email address in the "Email" field. 3. Click "Submit". 4. Check the email inbox for a reset email link. 5. Click the link in the email to reset the password. | A reset link is sent to the email. Clicking on the link redirects to the password reset page with a form to enter a new password. | Functional |

**2. Dashboard/Home Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| Dashboard\_TC001 | Verify account summary is displayed | User is logged in | Account summary displayed | 1. Log in successfully. 2. On the dashboard, locate the "Account Summary" section. 3. Verify the balance, recent transactions, and any pending actions are visible in the account summary. | The account summary displays account balance, recent transactions, and any pending actions. | Functional |
| Dashboard\_TC002 | Verify quick transfer options are functional | User is logged in | Quick transfer completed | 1. On the dashboard, locate the "Quick Transfer" section. 2. Select an account or recent payee from the dropdown. 3. Enter an amount (e.g., $100). 4. Click "Transfer". | Transfer confirmation appears with transaction ID and success message: "Transfer completed successfully." | Functional |
| Dashboard\_TC003 | Verify recent transactions load correctly | User is logged in | Recent transactions are displayed | 1. On the dashboard, scroll down to the "Recent Transactions" section. 2. Check that recent transactions are displayed with date, description, amount, and status (e.g., completed, pending). | Recent transactions display with all necessary details: date, description, amount, and status. | Functional |
| Dashboard\_TC004 | Verify logout button functionality | User is logged in | User successfully logged out | 1. On the dashboard, locate and click the "Logout" button. 2. Observe if the user is redirected to the login page. | User is redirected to the login page, and session data is cleared. A message appears: "You have been successfully logged out." | Functional |

**3. Account Details Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| Account\_TC001 | Verify account details are displayed | User is logged in | Account details are visible | 1. Log in successfully. 2. Navigate to "Account Details" page. 3. Confirm account information (e.g., account number, account type, balance, branch) is displayed in a structured format. | Account details such as account number, type, balance, and branch location are displayed accurately and consistently. | Functional |
| Account\_TC002 | Verify ability to view account statements | User is logged in | Statement is displayed or downloaded | 1. Navigate to the "Account Statements" section. 2. Select a date range (e.g., from 01-01-2024 to 31-01-2024). 3. Click "Generate Statement". | A statement is generated with transaction history for the specified date range, and a download option (PDF/Excel) is provided. | Functional |
| Account\_TC003 | Verify account statement download in PDF format | User is logged in | PDF statement downloaded | 1. Navigate to "Account Statements". 2. Select a date range. 3. Click "Generate Statement". 4. Choose "Download as PDF". | The statement downloads as a PDF with the selected date range transactions, formatted appropriately for readability. | Functional |

**4. Fund Transfer Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| Transfer\_TC001 | Verify intra-bank fund transfer | User is logged in with sufficient balance | Transfer successful | 1. Navigate to the "Fund Transfer" page. 2. Choose "Intra-bank Transfer". 3. Enter recipient details (account number, name). 4. Enter amount (e.g., $50) and click "Transfer". | A confirmation message appears: "Transfer successful." Transaction ID is provided. | Functional |
| Transfer\_TC002 | Verify inter-bank fund transfer | User is logged in with sufficient balance | Transfer successful | 1. Navigate to the "Fund Transfer" page. 2. Choose "Inter-bank Transfer". 3. Enter recipient bank, branch, and account details. 4. Enter transfer amount and click "Transfer". | Confirmation message appears: "Transfer successful." Transaction ID is provided, and transfer is scheduled for the next working day. | Functional |
| Transfer\_TC003 | Verify insufficient balance error for transfer | User has insufficient funds | Transfer not processed | 1. Attempt an intra-bank transfer. 2. Enter an amount that exceeds the current balance. 3. Click "Transfer". | An error message appears: "Insufficient balance. Transfer could not be completed." | Functional |
| Transfer\_TC004 | Verify maximum transfer limit per transaction | User is logged in | Transfer limited | 1. Attempt an intra-bank transfer. 2. Enter an amount that exceeds the maximum transaction limit. 3. Click "Transfer". | An error message appears: "Transaction limit exceeded. Please enter an amount within the transfer limit." | Functional |

**5. Bill Payment Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| BillPay\_TC001 | Verify utility bill payment (e.g., electricity) | User is logged in | Payment completed | 1. Navigate to "Bill Payment" page. 2. Select utility type (e.g., electricity) and provider. 3. Enter customer account details and amount (e.g., $100). 4. Click "Pay". | A confirmation message appears: "Payment successful." Receipt is generated with transaction ID and payment details. | Functional |
| BillPay\_TC002 | Verify future-dated bill payment scheduling | User is logged in | Payment scheduled | 1. Navigate to "Bill Payment". 2. Enter details as in BillPay\_TC001. 3. Select a future date from the calendar. 4. Click "Schedule Payment". | Confirmation message: "Payment scheduled for [selected date]." Payment is shown in "Scheduled Payments" section on the dashboard. | Functional |

**6. Settings/Profile Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| Profile\_TC001 | Verify updating personal information | User is logged in | Information updated | 1. Navigate to "Profile" page. 2. Edit fields like address and phone number. 3. Click "Save". | A message appears: "Profile updated successfully." Profile information is refreshed and displayed with new details. | Functional |
| Profile\_TC002 | Verify changing password | User is logged in | Password updated | 1. Navigate to "Change Password" page. 2. Enter current password. 3. Enter and confirm new password. 4. Click "Update". | Message: "Password changed successfully." User can log in with the new password. | Security |

**7. Logout Page**

| **Test Case ID** | **Summary** | **Pre-condition** | **Post-condition** | **Execution Steps** | **Expected Result** | **Testing Type** |
| --- | --- | --- | --- | --- | --- | --- |
| Logout\_TC001 | Verify successful logout | User is logged in | User logged out | 1. Click the "Logout" button on the dashboard. | User is redirected to login page. Session is cleared. | Functional |
| Logout\_TC002 | Verify session timeout and auto logout | User is logged in | User automatically logged out | 1. Stay inactive for the specified session timeout period (e.g., 15 minutes). | User is redirected to the login page with a message: "Session expired." | Performance |