# Phase #1 - Front End Requirements (CSCI 3060U)

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## List of Test Cases

| ID | Test Cases | Intention / Description |
|---|---|---|
| *LOGIN SESSION RULES* | | |
| TC-01 | Login - Standard Valid | Confirm a standard user can log in successfully with a valid account holder name |
| TC-02 | Login - Invalid Name | Confirm login is rejected when the account name is invalid |
| TC-03 | Login - Admin Valid | Confirm an admin user can log in successfully |
| TC-04 | Login - Invalid Sessions Type | Confirm login is rejected when an invalid session type is entered |
| TC-05 | Transaction Before Login | Confirm any transaction made other than login is rejected before logged in |
| TC-06 | Login While Already Logged In | Confirm a second login is rejected while already logged in |

| LOGOUT SESSION RULES | | |
| --- | --- | --- |
| TC-07 | Logout – Normal | Verify that logout successfully ends a session and writes the transaction file |
| TC-08 | Logout – Without Login | Verify that logout is rejected if no user is currently logged in |
| TC-09 | Transaction after Logout | Confirm only login is accepted after logout |
| SESSION MODE RULES | | |
| TC-10 | Standard Blocks Privileged | Privileged transactions are rejected in standard mode |
| TC-11 | Admin Allows Privileged | Confirm privileged transactions are accepted in admin mode |
| TRANSFER | | |
| TC-12 | Transfer – Valid Amount | Verify that money can be transferred between two valid accounts within allowed limits |
| TC-13 | Transfer – Invalid Target | Verify that transfers to a non-existent or invalid target account are rejected |
| TC-14 | Transfer – Insufficient Funds | Verify that transfers are rejected if the source account lacks sufficient funds |
| TC-15 | Transfer - Wrong Source | Confirm transfer is rejected if the source account doesn't belong to the logged-in user |
| TC-16 | Transfer - Invalid Amount | Verify that zero or negative transfer amounts are rejected |

| TC-17 | Transfer - Session Limit | Confirm transfers exceeding the max session limit ( either $1000 or $10,000 ) are rejected |
|---|---|---|
| *WITHDRAWAL* | | |
| TC-18 | Withdrawal – Valid | Verify that a valid withdrawal is accepted and recorded correctly |
| TC-19 | Withdrawal – Insufficient Funds | Verify that a withdrawal is rejected when it would result in a negative balance |
| TC-20 | Withdrawal – Invalid Amount | Verify that zero or negative withdrawal amounts are rejected |
| TC-21 | Withdrawal - Wrong Account | Confirm withdrawal is rejected for an account not owned by the logged-in user |
| TC-22 | Withdrawal - Session Limit | Confirm withdrawals exceeding ( either $200 - $500 ) limit are rejected. |
| *DEPOSIT* | | |
| TC-23 | Deposit – Valid | Verify that a valid deposit is accepted and recorded correctly |
| TC-24 | Deposit – Invalid Account | Verify that deposits to an invalid account are rejected |
| TC-25 | Deposit – Immediate Use | Verify that deposited funds cannot be used in the same session |
| TC-26 | Deposit - Invalid Amount | Confirm zero/negative amounts are denied |

| PAYBILL | | |
|---|---|---|
| TC-27 | Paybill – Valid Company | Verify that a bill payment to an approved company is accepted |
| TC-28 | Paybill – Invalid Company | Verify that bill payments to unapproved companies are rejected |
| TC-29 | Paybill - Insufficient Funds | Bill payment is rejected if funds are insufficient |
| TC-30 | Paybill - Invalid Amount | Zero or negative bill payments are rejected |
| TC-31 | Paybill - Session Limit | Confirm bill payments exceeding ( $2000 to $??? ) session limit |
| CREATE - **ADMIN** | | |
| TC-32 | Create - Valid | Verify an admin can create a new account with valid details |
| TC-33 | Create - Standard Rejected | Verify create is rejected when in standard mode |
| TC-34 | Create - Name Too Long | Confirm create is rejected when account holder exceeds 20 characters |
| TC-35 | Create - Balance Too Big | Confirm create is rejected when initial balance exceeds $999,999.99 limit |
| TC-36 | Create - Not Usable Same Session | Verify newly created accounts cannot be used in the same session |
| DELETE - **ADMIN** | | |
| TC-37 | Delete - Valid | Verify an admin can delete an existing account |

| TC-38 | Delete - Invalid Account | Verify delete is rejected because account is invalid or doesn't exist |
|---|---|---|
| TC-39 | Delete - No Further Use | Disabled accounts cannot be used or accessed for further transactions |
| *DISABLE- **ADMIN*** | | |
| TC-40 | Disable - Valid | Verify an admin can disable an existing account |
| TC-41 | Disable - Invalid | Verify disable is rejected due to invalid / non-existing account |
| TC-42 | Disable - No Further Use | Verify disabled accounts cannot be used for further transactions temporarily |
| *CHANGEPLAN - **ADMIN*** | | |
| TC-43 | Changeplan - Valid | Verify an admin can change an account plan from SP (student) to NP (non-student) |
| TC-44 | Changeplan - Invalid Account | Confirm change plan is rejected for an invalid account holder or invalid account information |