Test Cases

ADMIN

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| TC#1 – Admin Login | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_A1 | Authenticate System Administrator | System is on and displaying a login page | Input system admin username and password | Username=”admin”  Password=”admin” | System displays system administrator homepage |
| TC\_A2 | System rejects system admin username and/or password | System is on and displaying a login page | Input invalid system admin username and/or password | Username=”admin123”  Password=”admin123” | System displays an error screen and is ready to start a new session |

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| TC#2 – Creating an Account | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_B1 | System allows system admin to choose Open account option | The user must be logged-in as System Administrator | Choose Open account option | Choose “Open Account” | System displays Create account option session |
| TC\_B2 | Create non-existing account with valid initial balance of 1000PhP and above | Create account session is displayed | 1. Type-in user details  2. Type-in account details of non-existing account and valid initial balance | 1.   * First name=”Chris” * Middle name=”Robert” * Last name=”Evans” * Age=”37” * Contact #=”09154848488” * Email=[crevans@gmail.com](mailto:crevans@gmail.com) * Address=”Boston”   2.   * Card Number=”9999999999999999” * Account Number=”999999999999” * PIN Number=”999999” * Initial Balance=”10000” | System displays User account successfully created and goes back to homepage |
| TC\_B3 | Create existing account with valid initial balance of 1000PhP and above | Create account session is displayed | 1. Type-in user details  2. Type-in account details of existing account and valid initial balance | 1.   * First Name=”Chris” * Middle Name=”Robert” * Last Name=”Evans” * Age=”37” * Contact #=”09154848488” * Email=[crevans@gmail.com](mailto:crevans@gmail.com) * Address=”Boston”   2.   * Card Number=”1111111111111111” * Account Number=”111111111111” * PIN Number=”111111” * Initial Balance=”10000” | System displays Account Number and/or Card Number already existed and prompts to enter again |
| TC\_B4 | Create non-existing account with an invalid initial balance less than 1000PhP | Create account session is displayed | 1. Type-in user details  2. Type-in account details of non-existing account and invalid initial balance | 1.   * First name=”Chris” * Middle name=”Robert” * Last name=”Evans” * Age=”37” * Contact #=”09154848488” * Email=[crevans@gmail.com](mailto:crevans@gmail.com) * Address=”Boston”   2.   * Card Number=”9999999999999999” * Account Number=”999999999999” * PIN Number=”999999” * Initial Balance=”500” | System displays that initial balance must be 1000 or above and prompts to enter again |
| TC\_B5 | Create an account with missing field/s | Create account session is displayed | Type-in missing fields on user and account details | First Name=” “  Middle Name=” “  Last Name=” “  Age=” “  Contact #=” “  Email=” “  Address=” “  Card Number=” “  Account Number=” “  PIN Number=” “  Initial Balance=” “ | System displays there is/are missing field/s detected and prompts to enter again |

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| TC#3 – Closing an Account | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_C1 | System allows system admin to choose Close account option | The user must be logged-in as System Administrator | Choose Close account option | Choose “Close Account” | System displays Close account option session |
| TC\_C2 | Close existing account | Close account session is displayed | Enter valid account# | Account Number=”111111111111” | System displays User account successfully closed and goes back to homepage |
| TC\_C3 | Close non-existing account | Close account session is displayed | Enter invalid account# | Account Number=”444444444444” | System displays account number doesn’t exist and prompts to enter again |

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| TC#4 – View Account Info | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_D1 | System allows system admin to choose View Account Info | The user must be logged-in as System Administrator | Choose View Account Info option | Choose “View Account Info” | System displays View Account Info session |
| TC\_D2 | View existing user account info | View Account Info session is displayed | Enter account# | Account Number=”111111111111” | System displays User account info successfully and goes back to homepage |
| TC\_D3 | View non-existing user account info | View Account Info session is displayed | Enter invalid account# | Account Number=”444444444444” | System displays account number doesn’t exist and prompts to enter again |

CLIENT

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| TC#5 – ATM Transaction (Login) | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_E1 | System authenticates the user | System is on and displaying a login page | Insert card (user card#) and PIN | Card Number=”1111111111111111”  PIN=”111111” | System displays a menu of transaction types |
| TC\_E2 | System rejects invalid user card (card#) and/or PIN | System is on and displaying a login page | Insert invalid card (user card#) and/or PIN | Card Number=”4444444444444444”  PIN=”444444” | System displays invalid Card Number and/or PIN and prompts to enter again |
| TC\_E3 | Customer exceeds max number of invalid PIN tries (3 entries) and system aborts session | System is on and displaying a login page | Enter 3rd try ofinvalid card (user card#) and/or PIN | Card Number=”4444444444444444”  PIN=”444444” | System displays maximum number of login attempts has exceeded and session is terminated |

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| TC#6 – ATM Transaction (Deposit) | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_F1 | System allows customer to perform a Deposit transaction | Menu of transaction types is being displayed | Choose Deposit transaction | Choose “DEPOSIT” | System displays the Deposit transaction session |
| TC\_F2 | System allows customer to enter a peso amount to deposit | System is displaying a request for the customer to type a peso amount | Enter a peso amount | Amount=”5000” | System prints receipt showing deposited amount and updated balance |
| TC\_F3 | System automatically sets missing field on amount to 0PhP | System is displaying a request for the customer to type a peso amount | Enter missing field | Amount=” “ | System prints receipt showing deposited amount of 0PhP and updated balance |
| TC\_F4 | System allows customer to cancel Deposit Transaction | System is displaying a request for the customer to type a peso amount | Choose cancel option | Choose “CANCEL” | System displays a menu of transaction types |
| TC\_F5 | System allows multiple transactions in one session | System is asking whether customer wants another transaction | Choose yes | Choose “YES” | System displays a menu of transaction types |
| TC\_F6 | Session ends when customer chooses not to do another transaction | System is asking whether customer wants another transaction | Choose no | Choose “NO” | System terminates and is ready to start a new session |

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| TC#7 – ATM Transaction (Withdrawal) | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_G1 | System allows customer to perform a Withdrawal transaction | Menu of transaction types is being displayed | Choose Withdrawal transaction | Choose “WITHDRAW” | System displays the Withdrawal transaction session |
| TC\_G2 | System verifies that customer's balance is sufficient to fulfill the request | System is displaying a request for the customer to type a peso amount | Choose an amount that is not greater than the account balance | Amount=”500” | System prints receipt showing withdrawn amount and updated balance |
| TC\_G3 | System verifies that customer's balance is insufficient to fulfill the request | System is displaying a request for the customer to type a peso amount | Choose an amount that is greater than the account balance | Amount=”2000” | System displays Insufficient Balance error and prompts to enter again |
| TC\_G4 | System verifies that customer's withdrawal amount is greater than per transaction limit amount (10000Php) | System is displaying a request for the customer to type a peso amount | Choose an amount that is greater than per transaction limit amount | Amount=”11000” | System displays withdrawal limit per transaction has exceeded and prompts to enter again |
| TC\_G5 | System automatically sets missing field on amount to 0PhP | System is displaying a request for the customer to type a peso amount | Enter missing field | Amount=” “ | System prints receipt showing withdrawn amount of 0PhP and updated balance |
| TC\_G6 | System allows customer to cancel Withdrawal Transaction | System is displaying a request for the customer to type a peso amount | Choose cancel option | Choose “CANCEL” | System displays a menu of transaction types |
| TC\_G7 | System allows multiple transactions in one session | System is asking whether customer wants another transaction | Choose yes | Choose “YES” | System displays a menu of transaction types |
| TC\_G8 | Session ends when customer chooses not to do another transaction | System is asking whether customer wants another transaction | Choose no | Choose “NO” | System terminates and is ready to start a new session |

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| TC#8 – ATM Transaction (Balance Inquiry) | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_H1 | System allows customer to perform a Balance Inquiry transaction | Menu of transaction types is being displayed | Choose Balance Inquiry transaction | Choose “BALANCE INQUIRY” | System prints receipt showing balance |
| TC\_H2 | System allows multiple transactions in one session | System is asking whether customer wants another transaction | Choose yes | Choose “YES” | System displays a menu of transaction types |
| TC\_H3 | Session ends when customer chooses not to do another transaction | System is asking whether customer wants another transaction | Choose no | Choose “NO” | System terminates and is ready to start a new session |

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| TC#9 – ATM Transaction (Change PIN) | | | | | |
| TC\_ID# | Test Objective | Precondition | Steps | Test Data | Expected Result |
| TC\_I1 | System allows customer to perform Change PIN | Menu of transaction types is being displayed | Choose Change PIN | Choose “CHANGE PIN” | System displays the Change PIN session |
| TC\_I2 | System verifies that customer's new PIN is valid | System is displaying a request for the customer to enter new PIN | Enter valid new PIN | New PIN=”222222”  Re-enter New PIN=”222222” | System prompts the customer that current PIN is successfully changed |
| TC\_I3 | System verifies that customer's new PIN is not the same with re-entered PIN | System is displaying a request for the customer to enter new PIN | Enter valid new PIN different with re-entered PIN | New PIN=”222222”  Re-enter New PIN=”333333” | System displays New PIN doesn’t match Re-entered PIN and prompts to enter again |
| TC\_I4 | System verifies that customer's new PIN is the same as old PIN | System is displaying a request for the customer to enter new PIN | Enter invalid or old PIN | New PIN=”111111”  Re-enter New PIN=”111111” | System displays Invalid PIN where New PIN is the same as old PIN and prompts to enter again |
| TC\_I5 | System verifies that there is/are missing field/s | System is displaying a request for the customer to enter new PIN | Enter missing fields | New PIN=” “  Re-enter New PIN=” “ | System displays missing field detected and prompts to enter again |
| TC\_I6 | System allows customer to cancel Change PIN session | System is displaying a request for the customer to enter new PIN | Choose cancel option | Choose “CANCEL” | System displays a menu of transaction types |
| TC\_I7 | System allows multiple transactions in one session | System is asking whether customer wants another transaction | Choose yes | Choose “YES” | System displays a menu of transaction types |
| TC\_I8 | Session ends when customer chooses not to do another transaction | System is asking whether customer wants another transaction | Choose no | Choose “NO” | System terminates and is ready to start a new session |