Exploratory(Manual Non-Scripted) Testing

Defect ID:	Function	Initial State	Steps to Reproduce	Expected outcome	Actual Outcome	Severity	Version	Status
1	Session Timeout	ATM is ON, card inserted, user at transaction menu	1. Start the ATM and log in.2. Wait 5 minutes without interacting.3. Observe if the session times out.	ATM should time out and return to home screen, ejecting the card.	ATM remains active indefinitely, keeping session open.	high	"1.0"	Open
2	Receipt Log Clearing	ATM restarted after a transaction	1. Perform a withdrawal or deposit.2. Restart the ATM.3. Check if the previous transaction receipt is still available.	The receipt log should be cleared after restart.	The old receipt remains visible even after restarting the ATM.	high	"1.0"	Open
3	Transaction Selection Validation	ATM is ON, card inserted, valid PIN entered, transaction menu displayed	If any other button is clicked other than option	The ATM should reject invalid selections and display "Invalid Option".	The ATM incorrectly executes a $20 withdrawal.	critical	"1.0"	resolved in 1.1
4	System crash	System Crash on Random Button Pressing	ATM is ON, card inserted, transaction menu displayed	The ATM should ignore multiple inputs or handle them gracefully.	The ATM crashes and becomes unresponsive.	critical	"1.0"	resolved in 1.1
5	UI/UX error	ATM prompts users for another transaction	Complete any transaction(Withdraw,Deposit,etc.)	The system should display: "Would you like to do another transaction?"	The system should display: "Wood you like to do another transaction?"	low	"1.0"	resolved in 1.1
6	Balance Inquiry	Balance Inquiry Execution Error	ATM is ON, user selects "Balance Inquiry"	The ATM should display the correct Money Market balance.	The ATM shows "Unknown Error" and executes a $500 transaction.	critical	"1.0"	resolved in 1.1

Manual Scripted Testing

Defect ID:	Function	Initial State	Steps to Reproduce	Expected outcome	Actual Outcome	Severity	Version	Status
1	Incorrect PIN Handling	ATM is ON, card inserted, PIN entry screen displayed	1. Enter an incorrect PIN (9999).2. Enter the correct PIN (42).3. Observe if access is granted.	The ATM should accept the correct PIN after the second attempt.	The ATM still asks for PIN entry after entering the correct PIN.	low	"1.0"	Open
2	Incorrect Withdrawal Selection	ATM is ON, user selects "Withdraw"	1. Insert a valid card and enter PIN.2. Select Withdraw.3. Choose an amount, but press a different button mid-selection.4. Observe if the correct amount is withdrawn.	The ATM should withdraw the exact selected amount.	The ATM withdraws the amount from the next higher option.	critical	"1.0"	resolved in 1.1
3	Transfer Amount Rounding Error	ATM is ON, user selects "Transfer Funds"	1. Insert a valid card and enter PIN.2. Select Transfer Funds.3. Enter an amount (e.g., $100).4. Complete the transfer and check the receipt.	The receipt should show the exact amount entered by the user.	The receipt shows a $0.50 discrepancy (e.g., $99.50 instead of $100).	medium	"1.0"	resolved in 1.1
4	Deposit Balance Not Updating	ATM is ON, user selects "Deposit"	1. Insert a valid card and enter PIN.2. Select Deposit and enter an amount (e.g., $100).3. Confirm deposit and check updated balance.	The balance should be updated as "Previous Balance + Deposit Amount".	The balance does not update correctly after deposit.	high	"1.0"	Open

Regression Testing

Defect ID:	Function	Initial State	Steps to Reproduce	Expected outcome	Actual Outcome	Severity	Version	Status
1	Incorrect PIN Handling	ATM is ON, card inserted, PIN entry screen displayed	1. Enter an incorrect PIN.2. Enter the correct PIN.3. Observe system response.	The ATM should accept the correct PIN after the incorrect attempt.	The ATM still asks for PIN entry even after entering the correct PIN.	low	"1.1"	Still exists
2	Deposit Calculation Error	ATM is ON, user selects "Deposit"	1. Insert a valid card and enter PIN.2. Select Deposit and enter $100.3. Confirm deposit and check balance.	The balance should reflect $100 added to previous balance.	The system miscalculates by $0.10 (e.g., $99.90 instead of $100).	medium	"1.1"	Open
3	Receipt Log Not Clearing After Restart	ATM restarted after transaction	1. Perform a withdrawal or deposit.2. Restart the ATM.3. Check if the previous transaction receipt is still available.	The receipt log should be cleared after restart.	The old receipt remains visible even after restarting the ATM.	high	"1.1"	Still exists
4	Balance Inquiry Executing $20 Instead of Showing Balance	ATM is ON, user selects "Balance Inquiry"	1. Insert a valid card and enter PIN.2. Select Balance Inquiry.3. Observe system response.	The ATM should display the correct balance.	The ATM executes $20 instead of displaying the balance.	critical	"1.1"	Open