

Test Case Id	Date Tested	Tester	Pass/Fail	Pre-condition(s)	Input(s)	Observed Output(s)	Expected Output(s)	Post-condition(s)	Comments
1	2/28/2016	Joseph Lai	Pass	System is off	Activate the "on" switch	System requests number of \$20 bills	System requests initial cash amount	Screen prompts integer input	
2	2/28/2016	Joseph Lai	Pass	System is requesting cash amount	Enter a legitimate amount	Prompts to insert card	System is on	System is on and ready	
3	2/28/2016	Joseph Lai	Pass	System has just been turned on	Perform a legitimate inquiry transaction	Transaction Completed, No confirmation stating "Connection established"	System output should demonstrate that a connection has been established to the Bank	Back to "Insert card" screen	
4	2/28/2016	Joseph Lai	Pass	System is on and not servicing a customer	Activate the "off" switch	System states "Not currently available"	System is off	System prompts "Click button to turn on ATM"	
5	2/28/2016	Joseph Lai	Pass	System has just been shut down		No working buttons.	Verify from the bank side that a connection to the ATM no longer exists	Only "Show Log" works.	
6	2/28/2016	Joseph Lai	Pass	System is on and not servicing a customer	Insert a readable card	"insert card" button changes font and button shrinks, ask for card number	Card is accepted; System asks for entry of PIN	Successful login after correct card number and pin	Observed doesn't match expected, but to prompt for PIN, card number must be entered
7	2/28/2016	Joseph Lai	Pass	System is on and not servicing a customer	Insert an unreadable card	Card rejected, button expands from small to large.	Card is ejected; System displays an error screen; System is ready to start a new session	Card rejected, system prompts for card insertion	
8	2/28/2016	Joseph Lai	Pass	System is asking for entry of PIN	Enter a PIN	"Please choose a transaction type"	System displays a menu of transaction types	Choose from list of 4 transactions	
9	2/28/2016	Joseph Lai	Pass	System is displaying menu of transaction types	Perform a transaction	System prompts, "would you like to do another transaction?"	System asks whether customer wants another transaction	1 for yes, 2 for no.	
10	2/28/2016	Joseph Lai	Pass	System is asking whether customer wants another transaction	Answer yes	Back to prompt of "please choose transaction type"	System displays a menu of transaction types	User is back to previously tested case.	
11	2/28/2016	Joseph Lai	Pass	System is asking whether customer wants another transaction	Answer no	Ejecting card button slowly shrinks.	System ejects card and is ready to start a new session	System asks user to insert new card	
12	2/28/2016	Chai Thao	Fail	A readable card has been entered	4321	System displayed a menu of transaction types	The Invalid PIN Extension is performed	Menu of transaction types is being displayed	System allowed user to continue after entering incorrect pin. Invalid PIN Extension is performed later instead
13	2/28/2016	Chai Thao	Pass	Menu of transaction types is being displayed	1	System displayed a menu of account types	System displays a menu of account types	Menu of account types is being displayed	
14	2/28/2016	Chai Thao	Pass	Menu of account types is being displayed	1	System displayed a menu of possible withdrawal amounts	System displays a menu of possible withdrawal amounts	Menu of possible withdrawal amounts is being displayed	
15	2/28/2016	Chai Thao	Pass	System displayed correct amount. System displays receipt showing correct amount, updated balance	1 (\$20)	System dispenses this amount of cash; System prints a correct receipt showing amount and correct updated balance; System records transaction correctly in the log (showing both message to the bank and approval back)	System dispenses this amount of cash; System prints a correct receipt showing amount and correct updated balance; System records transaction correctly in the log (showing both message to the bank and approval back)	Menu for another transaction is being displayed	
16	2/28/2016	Chai Thao	Fail	System has been started up with less than the maximum withdrawal amount in cash on hand; System is requesting a withdrawal amount	5 (\$200)	System displayed message: "Insufficient available balance" and option for another transaction	System displays an appropriate message and asks customer to choose a different amount	Message: "Insufficient available balance" and menu for another amount is being displayed.	Wrong error message was displayed
17	2/28/2016	Chai Thao	Fail	System is requesting a withdrawal amount	4 (\$100)	System displayed message: "Insufficient cash available" and asked customer to choose another amount	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Insufficient cash available" and menu to choose another amount is being displayed	Wrong error message was displayed
18	2/28/2016	Chai Thao	Pass	System is displaying menu of account types	Cancel	System displayed message: "Last transaction was canceled" and option for another transaction	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
19	2/28/2016	Chai Thao	Pass	System is displaying menu of dollar amounts	Cancel	System displayed message: "Last transaction was canceled" and option for another transaction	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
20	2/28/2016	Chai Thao	Pass	Menu of transaction types is being displayed	2 (Deposit)	System displayed menu of account types	System displays a menu of account types	Menu of account types is being displayed	
21	2/28/2016	Chai Thao	Pass	Menu of account types is being displayed	1 (Checking)	System displayed a request for the customer to type a dollar amount	System displays a request for the customer to type a dollar amount	Message requesting customer to choose another dollar amount displayed	
22	2/29/2016	Jonathan Coffman	Pass	System is displaying a request for the customer to type a dollar amount	Enter a legitimate dollar amount	\$12.00	System requests that customer insert an envelope	System requests that customer insert an envelope	
23	2/29/2016	Jonathan Coffman	Pass	System is requesting that customer insert an envelope	Insert an envelope	insert envelope	System accepts envelope; System prints a correct receipt showing amount and correct updated balance; System records transaction correctly in the log (showing message to the bank, approval back, and acceptance of the envelope)	Message: INIT_DEP CARD# 2 TRANS# 1 NO FROM TO 0 \$12.00 Response: SUCCESS Envelope: received Message: COMP_DEP CARD# 2 TRANS# 1 NO FROM TO 0 \$12.00 Response: SUCCESS	Operated normally with the print receipt option.
24	2/29/2016	Jonathan Coffman	Pass	System is displaying menu of account types	Press "Cancel" key	press cancel	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
25	2/29/2016	Jonathan Coffman	Pass	System is requesting customer to enter a dollar amount	Press "Cancel" key	cancel	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
26	2/29/2016	Jonathan Coffman	Pass	System is requesting customer to insert an envelope	Press "Cancel" key	cancel	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
27	2/29/2016	Jonathan Coffman	Pass	System is requesting customer to insert an envelope	Wait for the request to time out	pause	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
28	2/29/2016	Jonathan Coffman	Pass	Menu of transaction types is being displayed	Choose Transfer transaction	choose transfer	System displays a menu of account types specifying transfer from	System displays a menu of account types specifying transfer from	
29	2/29/2016	Jonathan Coffman	Pass	Menu of account types to transfer from is being displayed	Choose checking account	choose checking	System displays a menu of account types specifying transfer to	System displays a menu of account types specifying transfer to	

30	2/29/2016	Jonathan Coffman	Pass	Menu of account types to transfer to is being displayed	Choose savings account	choose savings	System displays a request for the customer to type a dollar amount	System displays a request for the customer to type a dollar amount	
31	2/29/2016	Jonathan Coffman	Fail	System is displaying a request for the customer to type a dollar amount	Enter a legitimate dollar amount	\$12	System prints a correct receipt showing amount and correct updated balance; System records transaction correctly in the log (showing both message to the bank and approval back)	Message: TRANSFER CARD# 2 TRANS# 7 FROM 0 TO 1 \$12.00 Response: FAILURE Invalid to account type	Fails to transfer to the receiving account
32	2/29/2016	Jonathan Coffman	Pass	System is displaying menu of account types specifying transfer from	Press "Cancel" key	cancel	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
33	2/29/2016	Jonathan Coffman	Pass	System is displaying menu of account types specifying transfer to	Press "Cancel" key	cancel	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	Message: "Last transaction was canceled" and menu for another transaction is being displayed	
34	2/29/2016	Jonathan Coffman	Pass	menu of account types is being displayed	Choose inquiry transaction	choose balance inquiry	System displays a menu of account types		
35	2/28/2016	Justin Langshaw	Pass	System is requesting customer to enter a dollar amount	cancel button	System displays message: "Last transaction was canceled. Would you like to do another transaction?"	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays message: "Last transaction was canceled. Would you like to do another transaction?"	
36	2/28/2016	Justin Langshaw	Pass	Menu of transaction types is being displayed	1 (withdrawl)	Message "Account to withdraw from" and 3 options displayed	System displays a menu of account types	Message: "Please insert your card" displayed after user inputs initial cash amount.	
37	2/28/2016	Justin Langshaw	Pass	System is displaying menu of account types	Choose 1) checking account	Offers 5 different amounts to withdraw, after selecting 1) checking, correct receipt is displayed, and after clicking log, correct log is displayed.	System prints a correct receipt showing correct balance; System records transaction correctly in the log (showing both message to the bank and approval back)	Message: "Would you like to do another transaction? 1) Yes 2) No	
38	2/28/2016	Justin Langshaw	Fail	System is displaying menu of account types	cancel button	System displays message: "Please insert your card"	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays message: "Please insert your card"	
39	2/28/2016	Justin Langshaw	Fail	Request to enter PIN is being displayed	41	User is asked to choose account type and amount of funds, then displays message "Insufficient cash available"	Customer is asked to re-enter PIN	Customer is asked to re-enter PIN	
40	2/28/2016	Justin Langshaw	Pass	Request to re-enter PIN is being displayed	1234	original transaction of displaying ballence completes successfully and shows receipt.	Original transaction completes successfully	Message: "Would you like to do another transaction? 1) Yes 2) No	
41	2/28/2016	Justin Langshaw	Fail	An incorrect PIN has been re-entered and transaction completed normally	Choose 1) checking account, 1) 20\$	Message "Insufficient cash available" is displayed"	This transaction completes successfully as well	Message: "Would you like to do another transaction? 1) Yes 2) No	
42	2/28/2016	Justin Langshaw	Pass	Request to re-enter PIN is being displayed	41	Message "Pin was incorrect. Please re-enter your PIN Then press ENTER" displayed	An appropriate message is displayed and re-entry of the PIN is again requested	Message "Pin was incorrect. Please re-enter your PIN Then press ENTER" displayed	
43	2/28/2016	Justin Langshaw	Pass	Request to re-enter PIN is being displayed	41, 42	Receipt is displayed and message "Would you like to do another transaction? 1) Yes 2) No" is displayed	Original transaction completes successfully	Receipt is displayed and message "Would you like to do another transaction? 1) Yes 2) No" is displayed	
44	2/28/2016	Justin Langshaw	Pass	Request to re-enter PIN is being displayed	41, 41, 42	Receipt is displayed and message "Would you like to do another transaction? 1) Yes 2) No" is displayed	Original transaction completes successfully	Receipt is displayed and message "Would you like to do another transaction? 1) Yes 2) No" is displayed	
45	2/28/2016	Justin Langshaw	Pass	Request to re-enter PIN is being displayed	41, 41, 41	Message "Your card has been retained. Please contact the bank" displayed	An appropriate message is displayed; Card is retained by machine; Session is terminated	Message "Your card has been retained. Please contact the bank" displayed and then message "Please insert your card" displayed.	