

Manual Scripted Testing (Group 23)

#	Use Case	Function being tested	Initial System state	Input	Expected Output	Actual Output (ver 1.0)	Bug - 1.0 (yes/no)	Actual Output (ver 1.1)	Bug - 1.1 (yes/no)
1	System Startup	System is started when the switch is turned "on"	System is Off	Activate the "on" Switch	System requests initial cash amount	System requests initial cash amount	No	System requests initial cash amount	No
2	System Startup	System accepts initial cash amount	System is requesting cash amount	Enter a legitimate amount	System is on	System is on	No	System is on	No
3	System Startup	Connection to the bank is established	System has just been turned on	Perform a legitimate inquiry transaction	System output should demonstrate that a connection has been established to the Bank	System output should demonstrate that a connection has been established to the Bank	No	System output should demonstrate that a connection has been established to the Bank	No
4	System Shutdown	System is shut down when the switch is turned "off"	System is on and not servicing a customer	Activate the "off" switch	System is off	System is off	No	System is off	No
5	Session	System reads a customer's ATM card	System is on and not servicing a customer	Insert a readable card	Card is accepted; System asks for entry of PIN	Card is accepted System asks for entry of PIN	No	Card is accepted System asks for entry of PIN	No
6	Session	System rejects	System is on	Insert an unreadable card	Card is ejected	Card is ejected	No	Card is ejected	No

		an unreadable card	and not servicing a customer	le card	System displays an error screen; System is ready to start a new session	System displays an error screen; System is ready to start a new session		System displays an error screen; System is ready to start a new session	
7	Session	System accepts customer's PIN	System is asking for entry of PIN	Enter a PIN	System displays a menu of transaction types	System displays a menu of transaction types	No	System displays a menu of transaction types	No
8	Session	System allows customer to perform a transaction	System is displaying menu of transaction types	Perform a transaction	System asks whether customer wants another transaction	System asks whether customer wants another transaction	No	System asks whether customer wants another transaction	No
9	Session	System allows multiple transactions in one session	System is asking whether customer wants another transaction	Answer yes	System displays a menu of transaction types	System displays a menu of transaction types	No	System displays a menu of transaction types	No
10	Session	Session ends when customer chooses not to do another transaction	System is asking whether customer wants another transaction	Answer No	System ejects card and is ready to start a new session	System ejects card and is ready to start a new session	No	System ejects card and is ready to start a new session	No
11	Transaction	System handles an	A readable card has	Enter an incorrect PIN and	The Invalid PIN	The Invalid PIN	No	The Invalid PIN	No

		invalid PIN properly	been entered	then attempt a transaction	exception is performed	exception is performed		exception is performed	
1 2	Withdrawal	System asks customer to choose an account to withdraw from	Menu of transaction types is being displayed	Choose Withdrawal transaction	System displays a menu of account types	System displays a menu of account types	No	System displays a menu of account types	No
1 3	Withdrawal	System asks customer to choose a dollar amount to withdraw	Menu of account types is being displayed	Choose checking account	System displays a menu of possible withdrawal amounts	System displays a menu of possible withdrawal amounts	No	System displays a menu of possible withdrawal amounts but it miss the \$ sign in option 3 of the menu	Yes backlog bug # (1-17)
1 4	Withdrawal	System performs a legitimate withdrawal transaction properly	System is displaying the menu of withdrawal amounts	Choose an amount that the system currently has and which is not greater than the account balance	System dispenses this amount of cash; System prints a correct receipt showing amount and correct updated balance; System records transaction correctl	User selects \$20 in the withdrawal menu, System dispenses \$40 from the Checking account with the incorrect Card Number on the receipt with the correct updated balance System records	Yes backlog bug # (1-12)	System dispenses this amount of cash; prints the incorrect receipt with incorrect card Number and correct updated balance; System records transaction correctly in the log	Yes backlog bug # (1-7)

					y in the log (showing both message to the bank and approval back)	transaction correctly in the log (showing both message to the bank and approval back)			
15	Withdrawal	System verifies that it has sufficient cash on hand to fulfill the request	System has been started up with less than the maximum withdrawal amount in cash on hand; System is requesting a withdrawal amount	Choose an amount greater than what the system currently has	System displays an appropriate message and asks customer to choose a different amount	System displays an appropriate message and asks customer to choose a different amount	Yes backlog bug #(1-18)	System displays an appropriate message and asks customer to choose a different amount	No
16	Withdrawal	System verifies that customer's balance is sufficient to fulfill the request	System is requesting a withdrawal amount	Choose an amount that the system currently has but which is greater than the account balance	System displays an appropriate message and offers customer the option of choosing to do another transaction or	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No

					not.				
17	Withdrawal	A withdrawal transaction can be canceled by the customer any time prior to choosing the dollar amount	System is displaying menu of account types	Press "Cancel" key	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No
18	Withdrawal	A withdrawal transaction can be canceled by the customer any time prior to choosing the dollar amount	System is displaying menu of dollar amounts	Press "Cancel" key	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No
19	Deposit	System asks customer to choose an account to deposit to	Menu of transaction types is being displayed	Choose Deposit transaction	System displays a menu of account types	System displays a menu of account types	No	System displays a menu of account types	No
20	Deposit	System asks customer to enter	Menu of account types is being	Choose checking account	System displays a request	System displays a request for the	No	System displays a request for the	No

		a dollar amount to deposit	displayed		for the customer to type a dollar amount	customer to type a dollar amount		customer to type a dollar amount	
21	Deposit	System asks customer to insert an envelope	System is displaying a request for the customer to type a dollar amount	Enter a legitimate dollar amount	System requests that customer insert an envelope	System requests that customer insert an envelope	No	System requests that customer insert an envelope	No
22	Deposit	System performs a legitimate deposit transaction properly	System is requesting that customer insert an envelope	Insert an 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)	System accepts envelope; System prints a receipt with correct amount but incorrect updated balance.	Yes backlog bug # (1-8)	System accepts envelope; System prints a receipt with correct amount but incorrect updated balance and incorrect card Number	Yes backlog bug # (1-7, 1-8)
23	Deposit	A deposit transaction	System is displaying	Press "Cancel" key	System displays an	System displays an	No	System displays an	No

		on can be canceled by the customer any time prior to inserting an envelope	g menu of account types		appropriate message and offers customer the option of choosing to do another transaction or not.	appropriate message and offers customer the option of choosing to do another transaction or not.		appropriate message and offers customer the option of choosing to do another transaction or not.	
24	Deposit	A deposit transaction can be canceled by the customer any time prior to inserting an envelope	System is requesting customer to enter a dollar amount	Press "Cancel" key	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No
25	Deposit	A deposit transaction can be canceled by the customer any time prior to inserting an envelope	System is requesting customer to insert an envelope	Press "Cancel" key	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No
26	Transfer	System asks customer to	Menu of transaction types is being	Choose Transfer transaction	System displays a menu of	System displays a menu of	No	System displays a menu of	No

		choose an account to transfer from	displayed		account types specifying transfer from	account types specifying transfer from		account types specifying transfer from	
27	Transfer	System asks customer to choose an account to transfer to	Menu of account types to transfer from is being displayed	Choose checking account	System displays a menu of account types specifying transfer to	System displays a menu of account types specifying transfer to	No	System displays a menu of account types specifying transfer to	No
28	Transfer	System asks customer to enter a dollar amount to transfer	Menu of account types to transfer to is being displayed	Choose savings account	System displays a request for the customer to type a dollar amount	System displays a request for the customer to type a dollar amount	No	System displays a request for the customer to type a dollar amount	No
29	Transfer	System performs a legitimate transfer transaction properly	System is displaying a request for the customer to type a dollar amount	Enter a legitimate dollar amount	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	Transfer relates to MMRT is not allowed (shows invalid from account type); Transfer from cheque to saving results incorrect amount and balance. Also displays incorrect	Yes backlog bug # (1-11, 1-7, 1-6)	Transfer relates to MMRT is not allowed (shows invalid from account type); Transfer from cheque to saving displays incorrect card number	Yes backlog bug # (1-11, 1-7)

					back)	card number			
30	Transfer	A transfer transaction can be canceled by the customer any time prior to entering dollar amount	System is displaying menu of account types specifying transfer to	Press "Cancel" key	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No
31	Transfer	A transfer transaction can be canceled by the customer any time prior to entering dollar amount	System is displaying menu of account types specifying transfer to	Press "Cancel" key	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	No	A transfer transaction can be canceled by the customer any time prior to entering dollar amount	No
32	Transfer	A transfer transaction can be canceled by the customer any time prior to	System is requesting customer to enter a dollar amount	Press "Cancel" key	System displays an appropriate message and offers customer the option of	System displays an appropriate message and offers customer the option of	No	System displays an appropriate message and offers customer the option of	No

		entering dollar amount			choosing to do another transaction or not.	choosing to do another transaction or not.		choosing to do another transaction or not.	
33	Inquiry	System asks customer to choose an account to inquire about	Menu of transaction types is being displayed	Choose Inquiry transaction	System displays a menu of account types	System displays a menu of account types (but saving account is missing)	Yes backlog bug # (1-1)	System displays a menu of account types	No
34	Inquiry	System performs a legitimate inquiry transaction properly	System is displaying menu of account types	Choose checking account	System prints a correct receipt showing correct balance; System records transaction correctly in the log (showing both message to the bank and approval back)	System prints a correct receipt showing correct balance with incorrect Card Number; System records transaction correctly in the log (showing both message to the bank and approval back)	Yes backlog bug # (1-7)	System prints a correct receipt showing correct balance incorrect Card Number; System records transaction correctly in the log (showing both message to the bank and approval back)	Yes backlog bug # (1-7)
35	Inquiry	An inquiry transaction can be	System is displaying menu of	Press "Cancel" key	System displays an appropriate	System displays an appropriate	No	System displays an appropriate	No

		cancel ed by the custome r any time prior to choosin g an account	account types		messag e and offers custome r the option of choosin g to do another transacti on or not.	messag e and offers custome r the option of choosin g to do another transacti on or not.		messag e and offers custome r the option of choosin g to do another transacti on or not.	
3 6	Invalid PIN Extensio n	Custom er is asked to reenter PIN	System is asking for entry of PIN	Enter an incorrect PIN; Attempt an inquiry transacti on on the custome r's checkin g account	Custom er is asked to re-enter PIN	Custom er is asked to re-enter PIN	No	Custom er is asked to re-enter PIN	No
3 7	Invalid PIN Extensio n	Correct re-entry of PIN is accepte d	Request to re-enter PIN is being displaye d	Enter correct PIN	Original transacti on complet es success fully	Transact ion unsucce ssful, after enter the correct key, system asks to enter the key again	Yes backlog bug # (1-14)	Transact ion unsucce ssful, after enter the correct key, system asks to enter the key again	Yes backlog bug # (1-14)
3 8	Invalid PIN Extensio n	Incorrec t re-entry of PIN is not accepte d	Request to re-enter PIN is being displaye d	Enter incorrect PIN	An appropri ate messag e is displaye d and	An appropri ate messag e is displaye d and	No	An appropri ate messag e is displaye d and	No

					re-entry of the PIN is again requested	re-entry of the PIN is again requested		re-entry of the PIN is again requested	
39	Invalid PIN Extension	Correct re-entry of PIN on the second try is accepted	Request to re-enter PIN is being displayed	Enter incorrect PIN the first time, then correct PIN the second time	Original transaction completes successfully	Transaction unsuccessful, after enter the correct key, system asks to enter the key again	Yes backlog bug # (1-15)	Transaction unsuccessful, after enter the correct key, system asks to enter the key again	Yes backlog bug # (1-15)
40	Invalid PIN Extension	Correct re-entry of PIN on the third try is accepted	Request to re-enter PIN is being displayed	Enter incorrect PIN the first time and second times, then correct PIN the third time	Original transaction completes successfully	Shows "please contact bank message", bank card has been retained	Yes backlog bug # (1-16)	Shows "please contact bank message", bank card has been retained	Yes backlog bug # (1-16)