Exploratory (Manual Non-scripted) Testing – Abdul, Azmath

Test Case #	Use Case	Function Being Tested	Initial System State	Input	Expected Output	The actual outcome	How to recreate
1	System Startup	System is started when the switch is turned "on"	System is off	Activate the "on" switch	System requests the initial cash amount	System requested the initial cash amount	N/A
2	Session	System reads a customer's ATM card	System is on and idle	Insert a readable card	Card is accepted; system asks for entry of PIN	Card was accepted; system asked for entry of PIN	N/A
3	Session	System accepts customer's PIN	System prompts for PIN entry	Enter correct PIN (e.g., 42)	System displays a menu of transaction types	System displayed a menu of transaction types	N/A
4	Session	System handles an invalid PIN	System prompts for PIN entry	Enter an incorrect PIN	Error message is displayed; system prompts for re-entry of PIN	Error message was displayed; system prompts for re-entry of PIN	N/A
5	Withdrawal	System performs a legitimate withdrawal transaction properly	System displays withdrawal options	Select a withdrawal amount within account balance and ATM cash	Cash is dispensed; receipt printed with correct amount and updated balance; transaction logged	Wrong amount of cash is dispensed than what is selected; receipt printed with incorrect amount requested but correct correlating updated balance; transaction logged with incorrect amount	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 1. Press 1. Press 1.
6	Withdrawal	System verifies sufficient ATM cash for withdrawal	ATM is started with limited cash relative to request	Select a withdrawal amount greater than available ATM cash	System displays a message indicating insufficient ATM cash; prompts user to	System displays a message indicating insufficient ATM cash; prompts user to	N/A

					choose a	choose a	
					different	different	
					amount	amount	
7	Withdrawal	System verifies sufficient account balance for withdrawal	System prompts for withdrawal amount	Select a withdrawal amount exceeding account balance	System displays a message indicating insufficient funds; offers the option to perform another transaction	System proceeds with transaction then offers the option to perform another transaction	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 1. Press 5.
8	Deposit	System performs a legitimate deposit transaction properly	System prompts for deposit amount and envelope insertion	Enter a valid deposit amount; simulate envelope insertion	Envelope accepted; receipt printed showing deposit amount and updated balance; transaction logged	Envelope accepted; receipt printed shows correct deposit amount but updated wrong balance amount and wrong amount available; transaction logged correctly	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 2. Press 1. Enter \$50 Press enter. Click insert envelop.
9	Transfer	System performs a legitimate transfer transaction properly	System prompts for transfer details (source, destination, amount)	Select valid source and destination accounts; enter a valid transfer amount	Transfer completed; receipt printed with correct details and updated balances; transaction logged	can't transfer from or to money market	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 3. Press 3. Press 2. Enter \$50 Press enter.
10	Inquiry	System performs a legitimate balance inquiry transaction	System displays the transaction menu	Choose balance inquiry; select an account (e.g., Checking)	Receipt printed showing correct account balance; transaction logged	Receipt printed showing incorrect card number card 1 shows card 2 card 2 shows card 3	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 4. Press 1.

11	Transaction	Customer	System is in	Press the	System	System	N/A
	Cancellation	cancels a	the middle	"Cancel"	displays a	does not	,
		transaction	of a	key	cancellation	display a	
		before	transaction		message;	cancellation	
		completion	(e.g., during		transaction	message;	
			withdrawal)		aborted;	transaction	
					returns to	aborted;	
					the	ejects card	
					transaction		
					menu or		
12	Transaction	System	Menu of	Press	ejects card An	The system	Enter 10 in number of
12	ITATISACTION	handles an	transactions	menu	appropriate	dispenses	\$20 bills.
		invalid	being	option that	message is	\$20	Insert card.
		menu	displayed	is not	displayed	7-5	Enter card number.
		option		1,2,3,4	and re-		Enter pin.
				, , ,	entry of		Press 0.
					transaction		
					type is		
					again		
					requested		
13	Transaction	Customer	System	Press the	System	Spelling	Enter 10 in number of
	Cancellation	cancels any	displays any	"Cancel"	displays a	mistake	\$20 bills.
		transaction	Transaction	key	would you	would is	Insert card.
			e.g		like to do	spelled as	Enter card number.
			Withdraw,		another transaction	"wood"	Enter pin. Press 1.
			Deposit, Money				Press 1. Press cancel.
			Transfer,		message		riess cancel.
			Balance				
			Inquiry				
14	Balance	user	Menu of	User	All accounts	Only	Enter 10 in number of
	Inquiry	selects	balance	presses 4	should be	"Checking"	\$20 bills.
		Balance	Inquiry	for balance	displayed	and	Insert card.
		Inquiry		inquiry		"Money	Enter card number.
						Market"	Enter pin.
						menu	Press 4.
						options are displayed.	
15	Invalid PIN	Leading	System is	For card 1	Card	Card is	Enter 10 in number of
-3	Extension	Zeros in	asking for	user enters	Ejection	accepted	\$20 bills.
		PIN	entry of PIN	0042	with error	3000ptcu	Insert card.
			,		message		Enter card number 1.
					"FAILURE		Enter pin 0042.
					invalid		
					card" or		
					"PIN was		
					incorrect"		
16	Balance	user	Menu of	User	Displays	Displays	Enter 10 in number of
	Inquiry	selects	balance 	presses 2	account	Unknown	\$20 bills.
		money	Inquiry		information	Error on	Insert card.
		market				the green	Enter card number.
						screen and	Enter pin.
I	Ì					\$500	Press 4.
						annearc	Droce)
						appears	Press 2
						appears right below the green	Press 2

						screen and the receipt prints	
17	Transaction	Transaction finished	System displays any Transaction e.g Withdraw, Deposit, Money Transfer, Balance Inquiry	User finishes a transaction	System displays a would you like to do another transaction message	Spelling mistake would is spelled as "wood"	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 1. Press 1.

Exploratory (Manual Non-scripted) Testing – Hashir, Taiwu

Test Case	Use Case	Function Being Tested	Initial System State	Input	Expected Output	The actual outcome	How to recreate Bug
1	System Startup and Cash Initialization	ATM startup and cash initialization	ATM is off	Press the power "on" button and enter \$20 bills	ATM powers on and indicating the next step	ATM powers on and asks for inserting card	N/A
2	Valid Card Insertion	Card recognition and acceptance	ATM is on and idle	Insert a valid card (card number "1")	Card is accepted; system prompts for PIN entry	Same as expected	N/A
3	Unreadable/Invalid Card Insertion	Handling of an invalid or unreadable card	ATM is on and idle	Insert an unreadable or invalid card	Card is ejected	Asking for PIN	N/A
4	Correct PIN Entry	PIN validation	After valid card insertion, PIN prompt is displayed	Enter correct PIN "42"	PIN is validated; transaction menu is displayed	Same as expected	N/A
5	Incorrect PIN Entry and Re-Entry	Handling of incorrect PIN and re- entry process	After valid card insertion; PIN prompt is displayed	Enter an incorrect PIN then reenter the correct PIN "42"	First attempt rejected with an error; on correct re- entry, the transaction menu is displayed	Same as expected	N/A
6	Withdrawal - Valid	Processing a withdrawal transaction	Transaction menu is displayed; account and ATM have	Select withdrawal; enter a valid amount within	Correct amount of cash is dispensed	cash dispensed is the amount entered + \$20, which is correct	N/A

			sufficient funds	account balance and ATM cash limits			
7	Withdrawal – Insufficient Account Funds	Withdrawal processing when account funds are low	Transaction menu is displayed; account balance is lower than the requested amount	Select withdrawal; enter an amount exceeding the account balance	Error message "Insufficient funds" is displayed; no cash is dispensed	No error message is displayed, charged \$20	Select withdrawal Select checking Select \$200
8	Withdrawal – Cancellation	Ability to cancel a withdrawal transaction	Withdrawal process initiated	Begin a withdrawal and press "Cancel" at the account or amount selection stage	no cash is dispensed	no cash is dispensed, Showing "Insufficient available balance", Typo "Wood"	When withdrawing, click "Cancel" button
9	Deposit - Valid	Processing a deposit transaction	Transaction menu is displayed; deposit option is available	Select deposit; choose an account; enter a valid deposit amount; simulate envelope insertion	Correct Amount is deposited into respective account, ATM adds deposited number to the overall balance.	Incorrect Value is displayed, every deposit amount is added but then it subtracts \$10 from balance	When depositing notes down inputted value, click the input envelope button, when the display information shows the updated balance, it will display the number that was added - \$10
10	Deposit - Cancellation	Cancelling a deposit transaction	Deposit process initiated	Press "Cancel" during the deposit process	The deposit process is cancelled; prompts user on another transaction	Same as expected, however the only defect is the incorrect spelling of "would".	When initiating for deposit, press the cancel button through the process. When it is cancelled it will show on the green screen, "wood you like to do another transaction".
11	Balance Inquiry	Displaying the account balance	Transaction menu is displayed; account is available	Select balance inquiry; choose the account	Shows account balance of the respective account; Shows an accurate number	Outcome as expected.	N/A

12	Transfer - Valid	Transferring funds between accounts	Transaction menu is displayed; both source and destination accounts are active	Select transfer; choose source and destination accounts; enter a valid transfer amount	Transfers correct amount from bank A to bank B, maintaining correct values.	Incorrect amount transferred. Deducts \$0.50 from input transfer amount.	When transferring note down inputted value, click the input enter button, when the display information shows the updated balance, it will display the number that was added – \$0.50
13	Transfer Insufficient Account Funds	Handling invalid input during transfer	Transfer process initiated	Enter an invalid (e.g., negative) amount	If invalid amount is inputted, notifies user and directs user for next step	ATM Freezes with blank screen	After arriving at the transfer screen, input an extremely large number, such as "600000", when you press the enter button the app should freeze
14	Transfer – Cancellation	Handling cancellation during transfer	Transfer process initiated	Start a transfer then press "Cancel"	Transferring of balance is cancelled leaving both accounts unaffected	Cancel button does not work, transfer goes through regardless.	During the transfer process press the "cancel" button, note that the button becomes unresponsive and the transfer continues.
15	Multiple Transactions	Managing multiple transactions in one session	Transaction menu is displayed after successful authentication	Execute a series of transactions sequentially (e.g., deposit, then withdrawal, then balance inquiry)	Consistent balance account throughout the process	Multiple transactions break logic, will show insufficient funds when withdrawing even if there is	Firstly deposit any number(eg.\$20) into the checking's account. Afertwards make it to the withdraw screen and try to withdraw an amount that is less than current balance (eg,\$10), it will prompt the user with insufficient funds.

Manual Scripted Testing

Test	Use Case	Function	Initial System	Input	Expected	The actual	How to
Case #	_	Being Tested	State	_	Output	outcome	recreate
2	System	System	System is	Enter a	System is on	System is on	N/A
	Startup	accepts initial	requesting	legitimate			
		cash amount	cash amount	amount			
3	System	Connection to	System has	Perform a	System	System output	N/A
	Startup	the bank is	just been	legitimate	output	demonstrates	
		established	turned on	inquiry	should	that a	
				transaction	demonstrate	connection	
					that a	has been	
					connection	established to	
					has been	the Bank	
					established		
					to the Bank		
4	System	System is shut	System is on	Activate	System is off	System is off	N/A
	Shutdown	down when	and not	the "off"			
		the switch is	servicing a	switch			
		turned "off"	customer				
6	Session	System	System is on	Insert an	Card is	Card is	N/A
_		rejects an	and not	unreadable	ejected;	ejected;	,
		unreadable	servicing a	card	System	System	
		card	customer	cara	displays an	displays an	
		Cara	Customer		error screen;	error screen;	
					System is	System is	
					ready to start	ready to start	
					a new	a new session	
					session	a new session	
8	Session	System allows	System is	Perform a	System asks	System asks	N/A
0	36331011	customer to	displaying	transaction	whether	whether	IN/A
		perform a	menu of	transaction	customer	customer	
		transaction	transaction		wants	wants another	
		transaction			another	transaction	
			types			liansaction	
0	Cossien	Custom allows	Customs is	A m a	transaction	Custom	NI /A
9	Session	System allows	System is	Answer yes	System	System	N/A
		multiple	asking		displays a	displays a	
		transactions	whether		menu of	menu of	
		in one session	customer		transaction	transaction	
			wants		types	types	
			another				
			transaction	.			
10	Session	Session ends	System is	Answer no	System ejects	System ejects	N/A
		when	asking		card and is	card and is	
		customer	whether		ready to start	ready to start	
		chooses not	customer		a new	a new session	
		to do another	wants		session		
		transaction	another				
			transaction				
12	Withdrawal	System asks	Menu of	Choose	System	System	N/A
		customer to	transaction	Withdrawal	displays a	displays a	
		choose an	types is being	transaction	menu of	menu of	
		account to	displayed		account	account types	
		withdraw			types		
		from					

13	Withdrawal	System asks	Menu of	Choose	System	System	N/A
		customer to	account types	checking	displays a	displays a	,
		choose a	is being	account	menu of	menu of	
		dollar amount	displayed		possible	possible	
		to withdraw	. ,		withdrawal	withdrawal	
					amounts	amounts	
17	Withdrawal	Withdrawal	System is	Press	System	System	N/A
		transaction	displaying	"Cancel"	displays an	displays an	
		can be	menu of	key	appropriate	appropriate	
		cancelled by	account types		message and	message and	
		the customer			offers the	offers the	
		prior to			option to do	option to do	
		choosing			another	another	
		amount			transaction	transaction	
18	Withdrawal	Withdrawal	System is	Press	System	System	N/A
		transaction	displaying	"Cancel"	displays an	displays an	
		can be	menu of	key	appropriate	appropriate	
		cancelled by	dollar		message and	message and	
		the customer	amounts		offers the	offers the	
		prior to			option to do	option to do	
		choosing			another	another	
		amount			transaction	transaction	
19	Deposit	System asks	Menu of	Choose	System	System	N/A
		customer to	transaction	Deposit	displays a	displays a	
		choose an	types is being	transaction	menu of	menu of	
		account to	displayed		account	account types	
		deposit to	_		types		
20	Deposit	System asks	Menu of	Choose	System	System	N/A
		customer to	transaction	checking	displays a	displays a	
		enter a dollar	types is being	account	request for	request for the	
		amount to	displayed		the customer	customer to	
		deposit			to type a	type a dollar	
					dollar	amount	
21	Donasit	Customa asks	Customais	Fotos o	amount	Customs	N/A
21	Deposit	System asks	System is	Enter a	System	System	N/A
		customer to	displaying a	legitimate dollar	requests that	requests that	
		insert an	request for the customer		the customer insert an	the customer	
		envelope		amount	envelope	insert an envelope	
			to type a dollar amount		envelope	envelope	
23	Deposit	Deposit	System is	Press	System	System	N/A
23	Dehosit	transaction	displaying	"Cancel"	displays an	displays an	14/7
		can be	menu of	key	appropriate	appropriate	
		cancelled by	account types	,	message and	message and	
		the customer	account types		offers the	offers the	
		prior to			option to do	option to do	
		inserting an			another	another	
		envelope			transaction	transaction	
24	Deposit	Deposit	System is	Press	System	System	N/A
		transaction	requesting	"Cancel"	displays an	displays an	,
						appropriate	
1		can be	customer to	l key	appropriate	appropriate	l l
			customer to enter a dollar	key	appropriate message and		
		can be cancelled by the customer		кеу	message and offers the	message and offers the	
		cancelled by	enter a dollar	кеу	message and	message and	
		cancelled by the customer	enter a dollar	кеу	message and offers the	message and offers the	

25	Deposit	Deposit transaction can be cancelled by the customer prior to inserting an envelope System asks customer to	System is requesting customer to insert an envelope Menu of transaction	Press "Cancel" key Choose Transfer	System displays an appropriate message and offers the option to do another transaction System displays a	System displays an appropriate message and offers the option to do another transaction System displays a	N/A
		choose an account to transfer from	types is being displayed	transaction	menu of account types specifying transfer from	menu of 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	N/A
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	N/A
30	Transfer	Transfer transaction can be cancelled by the customer prior to entering amount	System is displaying menu of account types specifying transfer from	Press "Cancel" key	System displays an appropriate message and offers the option to do another transaction	System displays an appropriate message and offers the option to do another transaction	N/A
31	Transfer	Transfer transaction can be cancelled by the customer prior to entering amount	System is displaying menu of account types specifying transfer to	Press "Cancel" key	System displays an appropriate message and offers the option to do another transaction	System displays an appropriate message and offers the option to do another transaction	N/A
32	Transfer	Transfer transaction can be cancelled by the customer prior to entering amount	System is requesting customer to enter a dollar amount	Press "Cancel" key	System displays an appropriate message and offers the option to do another transaction	System displays an appropriate message and offers the option to do another transaction	N/A

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 incomplete menu of account types saving account missing	Enter 10 in number of \$20 bills. Insert card. Enter card number. Enter pin. Press 4.
35	Inquiry	Inquiry transaction can be cancelled by the customer prior to choosing an account	System is displaying menu of account types	Press "Cancel" key	System displays an appropriate message and offers the option to do another transaction	System displays an appropriate message and offers the option to do another transaction	N/A
36	Invalid PIN Extension	Customer is asked to reenter PIN	System is asking for entry of PIN	Enter an incorrect PIN; attempt an inquiry transaction	Customer is asked to re- enter PIN	Customer is asked to re- enter PIN	N/A
37	Invalid PIN Extension	Correct re- entry of PIN is accepted	Request to re- enter PIN is being displayed	Enter correct PIN	Original transaction completes successfully	Requests to enter PIN again	Enter 10 in number of \$20 bills. Insert card. Enter card number 1. Enter pin 1. Enter pin 42.
38	Invalid PIN Extension	Incorrect re- entry of PIN is not accepted	Request to re- enter PIN is being displayed	Enter incorrect PIN	Appropriate message is displayed and re-entry of PIN is requested	Appropriate message is displayed and re-entry of PIN is 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 first, then correct PIN	Original transaction completes successfully	Asks for pin again after correct PIN Second time	Enter 10 in number of \$20 bills. Insert card. Enter card number 1. Enter pin 1. Enter pin 42.
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 twice, then correct PIN	Original transaction completes successfully	Asks for pin again after correct PIN third time	Enter 10 in number of \$20 bills. Insert card. Enter card number 1. Enter pin 1. Enter pin 1. Enter pin 42

Regression Testing (Version 1.1)

Test Case #	Use Case	Function Being Tested	Initial System State	Input	Expected Output	The actual outcome	Status
5	Withdrawal	System performs a legitimate withdrawal transaction properly	System displays withdrawal options	Select a withdrawal amount within account balance and ATM cash	Cash is dispensed; receipt printed with correct amount and updated balance; transaction logged	Cash is dispensed; a receipt is printed showing the correct amount and updated balance; the transaction is logged.	RESOLVED
6	Withdrawal	System verifies sufficient ATM cash for withdrawal	ATM is started with limited cash relative to request	Select a withdrawal amount greater than available ATM cash	System displays a message indicating insufficient ATM cash; prompts user to choose a different amount	The system displays a message indicating insufficient cash in the ATM and prompts the user to select a different amount.	RESOLVED
7	Withdrawal	System verifies sufficient account balance for withdrawal	System prompts for withdrawal amount	Select a withdrawal amount exceeding account balance	System displays a message indicating insufficient funds; offers the option to perform another transaction	The system displays a message indicating insufficient funds and provides the option to proceed with another transaction.	RESOLVED
8	Deposit	System performs a legitimate deposit transaction properly	System prompts for deposit amount and envelope insertion	Enter a valid deposit amount; simulate envelope insertion	Envelope accepted; receipt printed showing deposit amount and	The envelope is accepted; a receipt is printed displaying the correct deposit	IN- PROGRESS

	1						
					updated balance;	amount but an incorrect	
					transaction	updated	
					logged	balance,	
					loggeu	which is	
						one less	
						than the	
						actual	
						amount, and the	
						wrong	
						available	
						balance is	
						shown;	
						however,	
						the	
						transaction	
						is logged	
						correctly.	
9	Transfer	System	System	Select valid	Transfer	The	RESOLVED
	Transici	performs a	prompts for	source and	completed;	transfer is	MESOLVED
		legitimate	transfer	destination	receipt	completed;	
		transfer	details	accounts;	printed	a receipt is	
		transaction	(source,	enter a	with	printed	
		properly	destination,	valid	correct	containing	
		property	amount)	transfer	details and	the correct	
				amount	updated	details and	
					balances;	updated	
					transaction	balances;	
					logged	the	
					108860	transaction	
						is logged.	
10	Inquiry	System	System	Choose	Receipt	Receipt	IN-
	,	performs a	displays the	balance	printed	printed	PROGRESS
		legitimate	transaction	inquiry;	showing	showing	
		balance	menu	select an	correct	incorrect	
		inquiry		account	account	card	
		transaction		(e.g.,	balance;	number	
				Checking)	transaction	card 1	
				J	logged	shows card	
					- 50-1	2 card 2	
						shows card	
						3	
11	Transaction	Customer	System is in	Press the	System	The system	RESOLVED
	Cancellation	cancels a	the middle	"Cancel"	displays a	displays a	
		transaction	of a	key	cancellation	cancellation	
		before	transaction		message;	message,	
		completion	(e.g., during		transaction	aborts the	
		-	withdrawal)		aborted;	transaction,	
			<u> </u>		returns to	and either	
					the	returns to	
					transaction	the	
					menu or	transaction	
					ejects card	menu or	
					-	ejects the	
						card.	
	1	l	l .	l		Ju. u.	

12	Transaction	System handles an invalid menu option	Menu of transactions being displayed	Press menu option that is not 1,2,3,4	An appropriate message is displayed and reentry of transaction type is again	The system dispenses \$20	IN- PROGRESS
13	Transaction Cancellation	Customer cancels any transaction	System displays any Transaction e.g Withdraw, Deposit, Money Transfer, Balance Inquiry	Press the "Cancel" key	requested System displays a would you like to do another transaction message	Spelling mistake would is spelled as "wood"	RESOLVED
14	Balance Inquiry	user selects Balance Inquiry	Menu of balance Inquiry	User presses 4 for balance inquiry	All accounts should be displayed	Only "Checking" and "Money Market" menu options are displayed.	RESOLVED
15	Invalid PIN Extension	Leading Zeros in PIN	System is asking for entry of PIN	For card 1 user enters 0042	Card Ejection with error message "FAILURE invalid card" or "PIN was incorrect"	Card is accepted	IN- PROGRESS
16	Balance Inquiry	user selects money market	Menu of balance Inquiry	User presses 2	Displays account information	Displays Unknown Error on the green screen and \$500 appears right below the green screen and the receipt prints	IN- PROGRESS
17	Transaction	Transaction finished	System displays any Transaction e.g Withdraw, Deposit, Money Transfer,	User finishes a transaction	System displays a would you like to do another transaction message	Spelling mistake would is spelled as "wood"	RESOLVED

	1						
			Balance				
			Inquiry				
33	Inquiry	System	Menu of	Choose	System	System	RESOLVED
		asks	transaction	Inquiry	displays a	displays	
		customer	types is	transaction	menu of	incomplete	
		to choose	being		account	menu of	
		an account	displayed		types	account	
		to inquire				types	
		about				saving	
						account	
						missing	
37	Invalid PIN	Correct re-	Request to	Enter	Original	Requests to	RESOLVED
	Extension	entry of	re-enter PIN	correct PIN	transaction	enter PIN	
		PIN is	is being		completes	again	
		accepted	displayed		successfully		
39	Invalid PIN	Correct re-	Request to	Enter	Original	Asks for pin	RESOLVED
	Extension	entry of	re-enter PIN	incorrect	transaction	again after	
		PIN on the	is being	PIN first,	completes	correct PIN	
		second try	displayed	then	successfully	Second	
		is accepted		correct PIN		time	
40	Invalid PIN	Correct re-	Request to	Enter	Original	Asks for pin	RESOLVED
	Extension	entry of	re-enter PIN	incorrect	transaction	again after	
		PIN on the	is being	PIN twice,	completes	correct PIN	
		third try is	displayed	then	successfully	third time	
		accepted		correct PIN			