

Test Case #	Use Case	Function Being Tested	Initial System State	Input	Expected Output	Actual Outcome	Steps to Reproduce	Priority/Severity	Version 1.0	Version 1.1	Jira Bug Link	Notes
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		N/A	PASS	PASS		
2	System Startup	System accepts initial cash amount	System is requesting cash amount	Enter a legitimate amount	System is on	System is on		N/A	PASS	PASS		
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 demonstrates that a connection has been established to the Bank		N/A	PASS	PASS		
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		N/A	PASS	PASS		
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		N/A	PASS	PASS		
6	Session	System rejects an unreadable card	System is on and not servicing a customer	Insert an unreadable card	Card is ejected; System displays an error screen; System is ready to start a new session	Card is ejected; System displays an error screen; System is ready to start a new session		N/A	PASS	PASS		
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		N/A	PASS	PASS		
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		N/A	PASS	PASS		
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		N/A	PASS	PASS		
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		N/A	PASS	PASS		
11	Transaction	System handles an invalid PIN properly	A readable card has been entered	Enter an incorrect PIN and then attempt a transaction	The Invalid PIN exception is performed	The Invalid PIN exception is performed		N/A	PASS	PASS		
12	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		N/A	PASS	PASS		
13	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		N/A	PASS	PASS		
14	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 correctly in the log (showing both message to the bank and approval back)	ATM dispenses incorrect amounts for withdrawals. For example, selecting \$60 dispenses \$100, and selecting \$200 dispenses \$20. This issue occurs consistently for all withdrawal amounts.	Turn on the system using the operator panel  Enter 10 for number of \$20 bills  Click on the "Click to Insert Card Button"  Enter 1 for card number  Enter 42 for PIN  Press 1 on the ATM numpad to select Withdrawal  Press 1 on the ATM numpad to select Checkings  Press 1 on the ATM numpad to withdraw \$20	HIGH	FAIL	PASS	<a href="https://seng637g13.atlassian.net/browse/SEN-22?atlOrigin=eyJpIjojMTdhMDM4YjYjImZQ0NDMzZTk5NjFjZTEzMjVhMWU0NmEiLCJwIjoiaU9">https://seng637g13.atlassian.net/browse/SEN-22?atlOrigin=eyJpIjojMTdhMDM4YjYjImZQ0NDMzZTk5NjFjZTEzMjVhMWU0NmEiLCJwIjoiaU9</a>	Also found in non scripted testing
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		N/A	PASS	PASS		

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 not.	System displays an appropriate message and offers customer the option of choosing to do another transaction or not.	N/A	PASS	PASS		
17	Withdrawal	A withdrawal transaction can be cancelled 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.	N/A	PASS	PASS		
18	Withdrawal	A withdrawal transaction can be cancelled 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.	N/A	PASS	PASS		
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	N/A	PASS	PASS		
20	Deposit	System asks customer to enter a dollar amount to deposit	Menu of account types is being displayed	Choose checking 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	PASS	PASS		
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	N/A	PASS	PASS		
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)	<p>The deposited amount does not match the actual amount added to the balance. For example, depositing \$40 adds only \$30 to the balance.</p> <p>Turn ATM on</p> <p>Enter 100 for the number of bills</p> <p>Press insert card button</p> <p>Enter 1 for card number</p> <p>Enter the correct password</p> <p>Select deposit for the transaction type</p> <p>Select checking account for the deposit</p> <p>Enter \$40 for the deposit amount</p>	HIGH	FAIL	FAIL	<a href="https://seng637g13.atlassian.net/browse/SEN-6?atlOrigin=eyJpIjoiYmNjNDZkZDg1ZDczMWY4NDY4YjNkZGEiLCJwIjoiYj9">https://seng637g13.atlassian.net/browse/SEN-6?atlOrigin=eyJpIjoiYmNjNDZkZDg1ZDczMWY4NDY4YjNkZGEiLCJwIjoiYj9</a>	Also found in non scripted testing
23	Deposit	A deposit transaction can be cancelled by the customer any time prior to inserting an envelope	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.	N/A	PASS	FAIL	<a href="https://seng637g13.atlassian.net/browse/SEN-29?atlOrigin=eyJpIjoiYTk4Yzk3YWVjM2YwNDY4NDY4YjNkZGEiLCJwIjoiYj9">https://seng637g13.atlassian.net/browse/SEN-29?atlOrigin=eyJpIjoiYTk4Yzk3YWVjM2YwNDY4NDY4YjNkZGEiLCJwIjoiYj9</a>	Spelling Error when system asks if user need to do another transaction
24	Deposit	A deposit transaction can be cancelled 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.	N/A	PASS	FAIL		Same as Test Case 23
25	Deposit	A deposit transaction can be cancelled 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.	N/A	PASS	FAIL		Same as Test Case 23
26	Transfer	System asks customer to choose an account to transfer from	Menu of transaction types is being displayed	Choose Transfer transaction	System displays a menu of account types specifying transfer from	System displays a menu of account types specifying transfer from	N/A	PASS	PASS		

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	PASS	PASS	
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	PASS	PASS	
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 back)	<ul style="list-style-type: none"><li>• “From Account” and “To Account” are reversed during transfers.</li><li>• The system log displays an incorrect transfer amount.</li><li>• The amount transferred between accounts is inaccurate.</li></ul> <div>Turn ATM on</div> <div>Enter 100 for the number of bills</div> <div>Press insert card button</div> <div>Enter 1 for card number</div> <div>Enter the correct password (42)</div> <div>Select transfer for the transaction type</div> <div>Select from savings account</div> <div>Select transfer account to checking</div> <div>Enter \$40 dollars for the transfer amount</div>	HIGH	FAIL	FAIL	1. <a href="https://seng637g13.atlassian.net/browse/SEN-24?atlOrigin=eyJpIjoImZlZjgzZTE1YTRINDE0ZWE2ZTlxNjM2YzdjYTkWZjciLCJwIjoiaUI9">https://seng637g13.atlassian.net/browse/SEN-24?atlOrigin=eyJpIjoImZlZjgzZTE1YTRINDE0ZWE2ZTlxNjM2YzdjYTkWZjciLCJwIjoiaUI9</a> , 2. <a href="https://seng637g13.atlassian.net/browse/SEN-25?atlOrigin=eyJpIjojOTFhMWM4NGY2MmU0NGJjN2lyYzRlMTFiNmVhYmI5ZmQlClwIjoiaUI9">https://seng637g13.atlassian.net/browse/SEN-25?atlOrigin=eyJpIjojOTFhMWM4NGY2MmU0NGJjN2lyYzRlMTFiNmVhYmI5ZmQlClwIjoiaUI9</a> , 3. <a href="https://seng637g13.atlassian.net/browse/SEN-7?atlOrigin=eyJpIjoImZlZjgzZTE1YTRINDE0ZWE2ZTlxNjM2YzdjYTkWZjciLCJwIjoiaUI9">https://seng637g13.atlassian.net/browse/SEN-7?atlOrigin=eyJpIjoImZlZjgzZTE1YTRINDE0ZWE2ZTlxNjM2YzdjYTkWZjciLCJwIjoiaUI9</a>
30	Transfer	A transfer transaction can be cancelled by the customer any time prior to entering dollar amount	System is displaying menu of account types specifying transfer from	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.	N/A	PASS	FAIL	Same as Test Case 23
31	Transfer	A transfer transaction can be cancelled 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.	N/A	PASS	FAIL	Same as Test Case 23
32	Transfer	A transfer transaction can be cancelled by the customer any time prior to entering dollar amount	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.	N/A	PASS	FAIL	Same as Test Case 23
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	N/A	PASS	PASS	
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; System records transaction correctly in the log (showing both message to the bank and approval back)	N/A	PASS	PASS	
35	Inquiry	An inquiry transaction can be cancelled by the customer any time prior to choosing an account	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.	N/A	PASS	FAIL	Same as Test Case 23
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 on the customer's checking account	Customer is asked to re-enter PIN	Customer is asked to re-enter PIN	N/A	PASS	PASS	

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	Customer is asked to enter pin again	Turn ATM on  Enter 100 for the number of bills  Press insert card button  Enter 1 for card number  Enter an incorrect pin  Now enter the correct pin	MEDIUM	FAIL	FAIL	<a href="https://seng637g13.atlassian.net/browse/SEN-19?atlOrigin=eyJpIjoINTEyYUwMTI2ODQzNDcyNjlmZTQ0MDM0YmFlYmEyODkiLCJwIjoiaU9">https://seng637g13.atlassian.net/browse/SEN-19?atlOrigin=eyJpIjoINTEyYUwMTI2ODQzNDcyNjlmZTQ0MDM0YmFlYmEyODkiLCJwIjoiaU9</a>
38	Invalid PIN Extension	Incorrect re-entry of PIN is not accepted	Request to re-enter PIN is being displayed	Enter incorrect PIN	An appropriate message is displayed and re-entry of the PIN is again requested	An appropriate message is displayed and re-entry of the PIN is again requested		N/A	PASS	PASS	
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	Customer is asked to re-enter pin	Turn ATM on  Enter 100 for the number of bills  Press insert card button  Enter 1 for card number  Enter an incorrect pin  Enter another incorrect pin  Now enter the correct pin	MEDIUM	FAIL	FAIL	<a href="https://seng637g13.atlassian.net/browse/SEN-20?atlOrigin=eyJpIjoINzI3MTU3MzgxNTkzNGM2ODIjYkzYTAvY2M5YTg5ZWMiLCJwIjoiaU9">https://seng637g13.atlassian.net/browse/SEN-20?atlOrigin=eyJpIjoINzI3MTU3MzgxNTkzNGM2ODIjYkzYTAvY2M5YTg5ZWMiLCJwIjoiaU9</a>
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	Original transaction completes successfully	Turn ATM on  Enter 100 for the number of bills  Press insert card button  Enter 1 for card number  Enter an incorrect pin  Enter an incorrect pin for the second attempt  Enter an incorrect pin for the third attempt  Now enter the correct pin on the fourth attempt	MEDIUM	FAIL	FAIL	<a href="https://seng637g13.atlassian.net/browse/SEN-21?atlOrigin=eyJpIjoINTNmNDlwNTRkZTIiNGZlZmFhYVYwVjIjVIMGEzNWYxNjkiLCJwIjoiaU9">https://seng637g13.atlassian.net/browse/SEN-21?atlOrigin=eyJpIjoINTNmNDlwNTRkZTIiNGZlZmFhYVYwVjIjVIMGEzNWYxNjkiLCJwIjoiaU9</a>