

[A1637-22] ET: Entering an Invalid Card Created: 03/Feb/25 Updated: 03/Feb/25	
Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Function: Balance Inquiry

Initial State: System On& Idle and loaded with 10 \$20 Bills

Steps:

1. Entered Card 4

2. Entered Pin 1234

3. Pressed Enter

Expected Outcome: The System should say Invalid Card and Not ask for a Pin.

Actual Outcome: Systems Asks for a Pin and then errors out, and states Invalid Card.

This bug could be an issue as the system accepts a card that is invalid and does not have a check in place where it examines the card before asking for a pin.

Version 1.0

Comments

Comment by Pahul Brar [03/Feb/25]

Defect Still Exists in Version 1.1.

[A1637-21] ET: System Does Not Show Savings Account in Balance Inquiry Created: 03/Feb/25 Updated: 03/Feb/25 Resolved: 03/Feb/25			
Status:	Done		
Project:	637_a1		
Components:	None		
Affects versions:	None		
Fix versions:	None		

Type:	Bug	Priority:	Highest
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		

Remaining Estimate:	Not Specified
Time Spent:	Not Specified
Original estimate:	Not Specified

Description

Function: Balance Inquiry

Initial State: System On & Idle, Loaded with 10 \$20 Bills

Steps to reproduce:

- 1. Inserted card 1
- 2. Entered Pin 42
- 3. Pressed 4 for Balance Inquiry

Expected Outcome: There should be an option for Savings Account, as Card 1 has a Savings Account.

Actual Outcome: Only Shows Checking and Money Market Accounts

Version 1.0



[A1637-20] ET: Balance Inquiry Savings V1.1 Created: 03/Feb/25 Updated: 03/Feb/25

Status:	To Do
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	High
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Initial State: System On, Idle and loaded with 10 bills

Steps To Reproduce:

- 1. Turn on System
- 2. Enter in Card 1
- 3. Press 4 for Balance Inquiry
- 4. Press 2 for Savings
- 5. Unknown Error
- 6. ATM releases \$500

Expected Outcome: Systems show balance of Savings Account

Actual Outcome: System errors out and releases \$500.00, when only initialized with \$200.00.

V1.1



[A1637-19] ET: Receipt Shows Wrong CardNumber

Created: 03/Feb/25 Updated: 03/Feb/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	High
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	 image-20250203-203505.png
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Description

Function Being Tested: Receipt

Initial State: System is on, idle, and loaded with 10 \$20 Bills.

<<Works with any type of transaction, in our case:>>

Steps to Reproduce:

- 1. Inserted Card 1
- 2. Entered Pin: 42
- 3. Pressed Deposit
- 4. To Savings
- 5. \$10.00
- 6. Inserted Envelope
- 7. Receipt Shows no difference

Expected Outcome: Receipt Shows "Card 1 Trans#1"

Actual Outcome: "Card 2 Trans #1"

Version 1.0

Mon Feb 03 13:34:24 MST 2025
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #1
DEPOSIT TO: SVGS
AMOUNT: \$10.00
TOTAL BAL: \$1000.00
AVAILABLE: \$1000.00

Comments

Comment by [Pahul Brar](#) [03/Feb/25]

Defect Still Exists in Version 1.1.



[A1637-17] ET: System displays a message asking if the customer wants to proceed with another transaction

Created: 31/Jan/25 Updated: 31/Jan/25 Resolved: 31/Jan/25

Status:	Done
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Lowest
Reporter:	Matheus de Morais Leça	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-01-31 at 2.36.23 PM.png Screenshot 2025-01-31 at 3.11.49 PM.png
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Description

1. **Function Being Tested:**

System displays a message asking if the customer wants to proceed with another transaction
2. **Initial State of the System:**

System is displaying a menu of account types
3. **Steps to Reproduce:**

On the menu displaying the available account types for performing an inquiry, the user selects the checking account to continue with the inquiry
1. **Expected Outcome:**

System displays a message asking if the customer wants to proceed with another transaction
2. **Actual Outcome:**

System displays a message asking if the customer wants to proceed with another transaction, but the first word is *misspelled*
3. **Priority/Severity:**

Lowest
4. **Version of SUT (System Under Test):**

V1.0
5. **Additional Information (if applicable):**

ATM Simulation

Account to inquire from

- 1) Checking
- 2) Money Market

1

2

3

4

5

6

7

8

9

0

ENTER

CLEAR

CANCEL

Show Log

Operator Panel

OFF

ATM Simulation

Wood you like to do another transaction?

- 1) Yes
- 2) No

Take receipt

Fri Jan 31 15:11:19 MST 2025
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #6
INQUIRY FROM: CHKG

TOTAL BAL: \$100.00
AVAILABLE: \$100.00

1

2

3

4

5

6

7

8

9

0

ENTER

CLEAR

CANCEL

Show Log

Operator Panel

OFF



[A1637-16] ET: System performs a legitimate inquiry transaction properly Created: 31/Jan/25 Updated: 31/Jan/25 Resolved: 31/Jan/25

Status: Done
Project: 637_a1

Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Matheus de Moraes Leça	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-01-31 at 2.36.23 PM.png Screenshot 2025-01-31 at 2.43.49 PM.png
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Description

1. **Function Being Tested:** System performs a legitimate inquiry transaction properly

2. **Initial State of the System:** System is displaying menu of account types from card number 1

3. **Steps to Reproduce:**
While on the menu of account types, select to inquire about the Money Market account

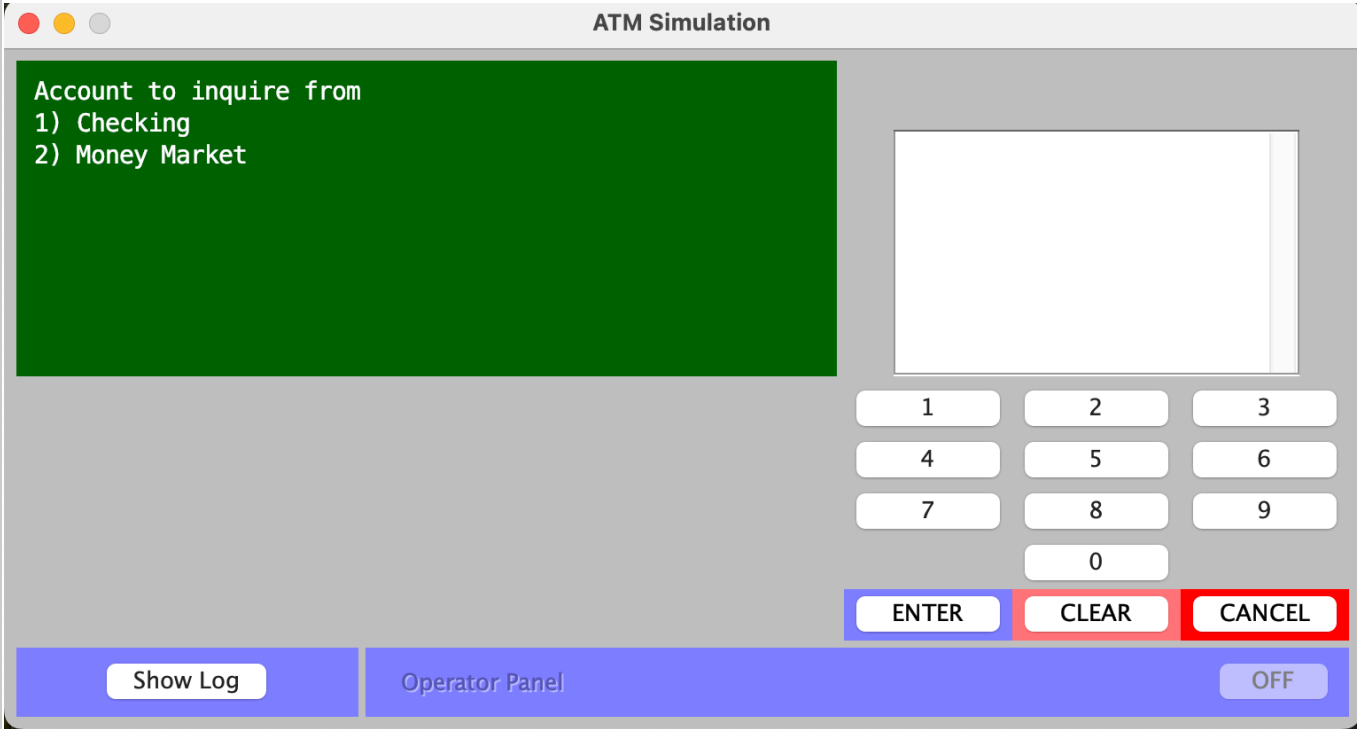
1. **Expected Outcome:** System prints a correct receipt showing correct balance; System records transaction correctly in the log (showing both message to the bank and approval back)

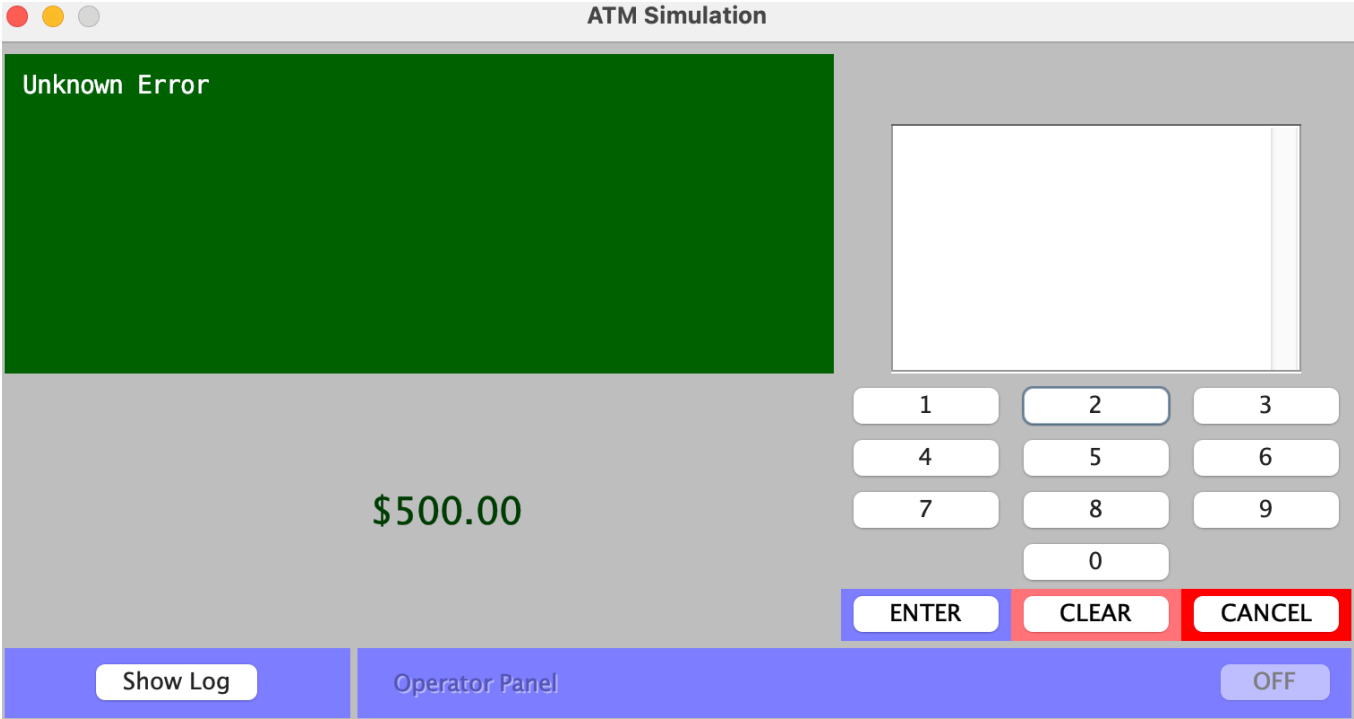
2. **Actual Outcome:** System prints a correct receipt showing correct balance; System records transaction correctly in the log (showing both message to the bank and approval back), but a “unknown error” along with a value is displayed as well

3. **Priority/Severity:** Medium

4. **Version of SUT (System Under Test):** V1.0

5. **Additional Information (if applicable):**





[A1637-15] ET: Money Market Balance Inquiry Card 2

Created: 31/Jan/25 Updated: 03/Feb/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Low
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Function: Money Market Balance Inquiry Card 2

Initial State: System On& Idle and loaded with 10 \$20 Bills

Steps:

1. Pressed 1 to continue
2. Pressed 4 for Balance Inquiry
3. Pressed 3 for Money Market
4. System says "Invalid Account Type"
5. Systems Ends Transaction and Asks if you want to do another transaction

Expected Outcome: Balance Shown of Money Market Account

Actual Outcome: Invalid Account type, system errors out.

V1.0

Comments

Comment by [Pahul Brar](#) [03/Feb/25]

Defect Still Exists in Version 1.1.



[A1637-14] [ET: Balance Inquiry](#) Created: 31/Jan/25 Updated: 03/Feb/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	High
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Function: Balance Inquiry

Initial State: System On& Idle and loaded with 10 \$20 Bills

Steps:

1. Entered Card 2
2. Entered Pin 1234
3. Pressed 4 for Balance Inquiry
4. Chose Money Market
5. Pressed Enter

Expected Outcome: Shows Balance for Money Market

Actual Outcome: Returned \$500, and Errored out.

Version 1.0

Comments

Comment by [Pahul Brar](#) [03/Feb/25]

Defect Still Exists in Version 1.1.



[A1637-13] [ET: Withdraw Funds](#) Created: 31/Jan/25 Updated: 03/Feb/25 Resolved: 02/Feb/25

Status:	Done
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Function: Withdraw Funds

Initial State: System On and Idle, Loaded with 10 \$20 Bills.

Steps:

1. Inserted Card 1

2. Entered Pin 42

3. Pressed Withdraw

4. From Savings Account

5. Chose sum of \$100.00.

Expected Outcome: ATM should give \$100.

Actual Outcome: ATM Gave \$200, which is more than what was being requested.

V1.0

[A1637-12] ET: Invalid Pin, Card can be re-inserted even after failing three times. Created: 31/Jan/25 Updated: 03/Feb/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	High
Reporter:	Pahul Brar	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Function: Stolen Card

Initial State: System Off

Steps to reproduce:

1. Turned ATM ON
2. Entered in 1 \$20 bill
3. Inserted card 1
4. Entered wrong pin 3 times
5. System says card retained by bank.
6. Re-inserted Card 1
7. Entered Correct Pin
8. Logged In to Account

Expected Outcome: Card Should be Held, so entering it again should be invalid.

Actual Outcome: Can Use Same card again, this means that someone can clone a card, and just keep trying to break in, even after repeated attempts of failing to get the correct pin.

Version 1.0

Comments

Comment by [Pahul Brar](#) [03/Feb/25]

Defect Still Exists in Version 1.1.



[A1637-11] **MFT: Deposit transaction does not correctly update balance after insertion.** Created: 31/Jan/25 Updated: 03/Feb/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	High
Reporter:	Saba Soghraty	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	Deposit		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Test Case ID: TC-22

Function Being Tested: Deposit Transaction

Initial State: System is on, idle, user is authenticated (**Card 1, PIN 42**), Checking account balance: **\$100**.

Steps to Reproduce:

1. Start **ATM System - Lab 1 Version 1.0**.
2. Insert **Card 1** and enter **PIN: 42**.
3. Select **Deposit (2)**.
4. Choose **Checking (1)** as the target account.
5. Enter **\$100** as the deposit amount.
6. **System correctly requests envelope insertion.**
7. Press the **Insert Envelope button**.
8. The receipt appears.

9. Observe the receipt details and check system logs.

Expected Outcome:

- The system should correctly **associate the deposit with the selected account**.
- The **Total Balance should be \$200** after deposit.
- The **Available Balance should be properly updated**.
- The system log should correctly show the deposit **linked to the Checking account**.

Actual Outcome:

- The **Total Balance is incorrectly updated to \$190 instead of \$200**.
- The **Available Balance remains at \$100**, which is incorrect.
- The system log shows **"FROM TO 0"**, meaning the deposit is **not linked to the Checking account**.
- The system **processes deposits but does not apply them correctly to account balances**.

Comments

Comment by [Saba Soghraty](#) [31/Jan/25]

"_Retested in **Version 1.1**. The deposit balance update issue **still persists**.

- Total Balance is incorrect (**\$199.90 instead of \$200**).
- Available Balance remains at **\$100 (incorrect)**.
- The system still does not apply the deposit amount correctly._

****Marking this defect as "In Progress." "_ "**



[A1637-9] [MFT: System reverses source and destination accounts during transfer](#) Created: 31/Jan/25 Updated: 03/Feb/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	High
Reporter:	Saba Soghraty	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	Transfer		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:  image-20250131-001218.png

Description

Test Case ID: TC-28

Function Being Tested: Transfer Transaction

Initial State: System is on, idle, user is authenticated (Card 2, PIN 1234).

Steps to Reproduce:

1. Start **ATM System - Lab 1 Version 1.0**.
2. Insert **Card 2** and enter **PIN: 1234**.
3. Select **Transfer (3)**.
4. Choose **Checking (1)** as the source account.
5. Choose **Savings (2)** as the destination account.
6. Enter **\$50** as the transfer amount.

7. Observe the receipt details.

Expected Outcome:

- The system should **correctly transfer funds from Checking → Savings** as selected.
- The **receipt should correctly reflect the transaction direction**.
- The balance update should match the **correct source and destination accounts**.

Actual Outcome:

- The system **incorrectly records the transfer as Savings → Checking** instead of Checking → Savings.
- The **receipt shows incorrect account mapping**.

Priority/Severity: High (Incorrect fund transfers can mislead users).

Version of SUT: V1.0

Additional Information:

- The system appears to **swap accounts when processing transfers**.
- Needs verification if **this issue occurs for all transfer transactions**.
- Screenshot attached.

Comments

Comment by [Saba Soghraty](#) [31/Jan/25]

"_ Retested in **Version 1.1**. The transfer account reversal issue **still persists**.

- User selects **Checking → Savings**, but the receipt shows **Savings → Checking**.
- Funds are transferred but applied to the **wrong accounts**.
- The issue remains unresolved in the latest version._



[A1637-6] [Withdraw invalid amount \(above balance\)](#) Created: 30/Jan/25 Updated: 31/Jan/25 Resolved: 31/Jan/25

Status:	Done
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Samin Hazeri	Assignee:	Samin Hazeri
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	 image-20250130-051146.png
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Description

Test Case 12: Withdraw invalid amount (above balance)

- **Test Case ID:** TC-12
- **Description:** Verify that the system rejects a withdrawal request for an amount greater than the account balance.
- **Precondition:**
 - Account balance is \$100.
- **Steps to Reproduce:**

-

Attachments: image-20250130-050831.png

Defect ID: MFT-011

- <https://ucalgary-ensf.atlassian.net/sr/jira.issueviews:searchrequest-fullcontent/temp/SearchRequest.html?jqlQuery=created+>%3D+-30d+order+by+created+DESC...> 13/20

2/3/25, 2:27 PMJira

- Expected Outcome:
 - Withdrawal amount: \$20.
 - Total balance: \$80.
 - Available balance: \$80.
- Actual Outcome:
 - Withdrawal amount: \$40.
 - Total balance: \$60.
 - Available balance: \$60.
- Priority/Severity: High
- Version of SUT (System Under Test): V1.0
- Additional Information (if applicable): Screenshot attached.

[A1637-4] MFT: Correct re-entry of PIN is accepted on the third try

Created: 30/Jan/25 Updated: 31/Jan/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Matheus de Morais Leça	Assignee:	Matheus de Morais Leça
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-01-29 at 7.20.38 PM.png Screenshot 2025-01-29 at 7.20.01 PM.png
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Description

1. Function Being Tested: Correct re-entry of PIN on the third try is accepted

2. Initial State of the System: Request to re-enter PIN is being displayed

3. Steps to Reproduce:

After entering an invalid PIN for the second time and the system prompts the user to re-enter the PIN explaining that the previous one was incorrect, enter a valid PIN

1. Expected Outcome: Original transaction completes successfully

2. Actual Outcome: A valid PIN is asked again.

3. Priority/Severity: Medium

4. Version of SUT (System Under Test): V1.0

5. Additional Information (if applicable):

ATM Simulation

PIN was incorrect
Please re-enter your PIN
Then press ENTER

**

1	2	3
4	5	6
7	8	9
0		
ENTER	CLEAR	CANCEL

Show Log

Operator Panel

OFF

ATM Simulation

PIN was incorrect
Please re-enter your PIN
Then press ENTER

**

1	2	3
4	5	6
7	8	9
0		
ENTER	CLEAR	CANCEL

Show Log

Operator Panel

OFF

ATM Simulation

Please enter your PIN
Then press ENTER

1

2

3

4

5

6

7

8

9

0

ENTER

CLEAR

CANCEL

Show Log

Operator Panel

OFF

Comments

Comment by [Matheus de Morais Leça](#) [31/Jan/25]

Defect still exists in version 1.1

[A1637-3] MFT: Correct re-entry of PIN is accepted on the second try

Created: 30/Jan/25 Updated: 31/Jan/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Matheus de Morais Leça	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:

Screenshot 2025-01-29 at 7.20.01 PM.png

Screenshot 2025-01-29 at 7.20.38 PM.png

Description

1. **Function Being Tested:** Correct re-entry of PIN on the second try is accepted
2. **Initial State of the System:** Request to re-enter PIN is being displayed

3. Steps to Reproduce:

After entering an invalid PIN and the system prompts the user to re-enter the PIN explaining that the previous one was incorrect, enter a valid PIN

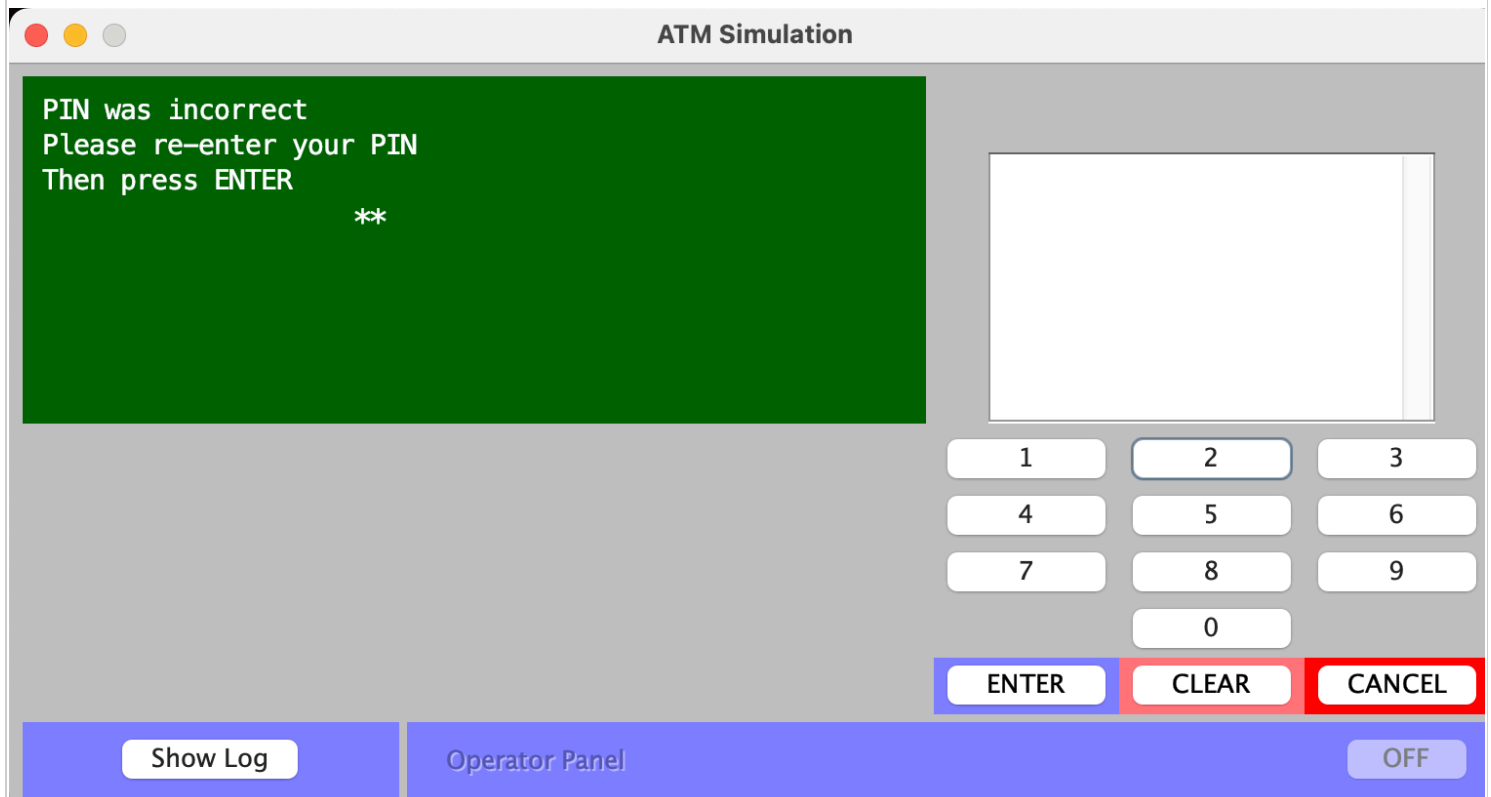
1. **Expected Outcome:** Original transaction completes successfully

2. **Actual Outcome:** A valid PIN is asked again.

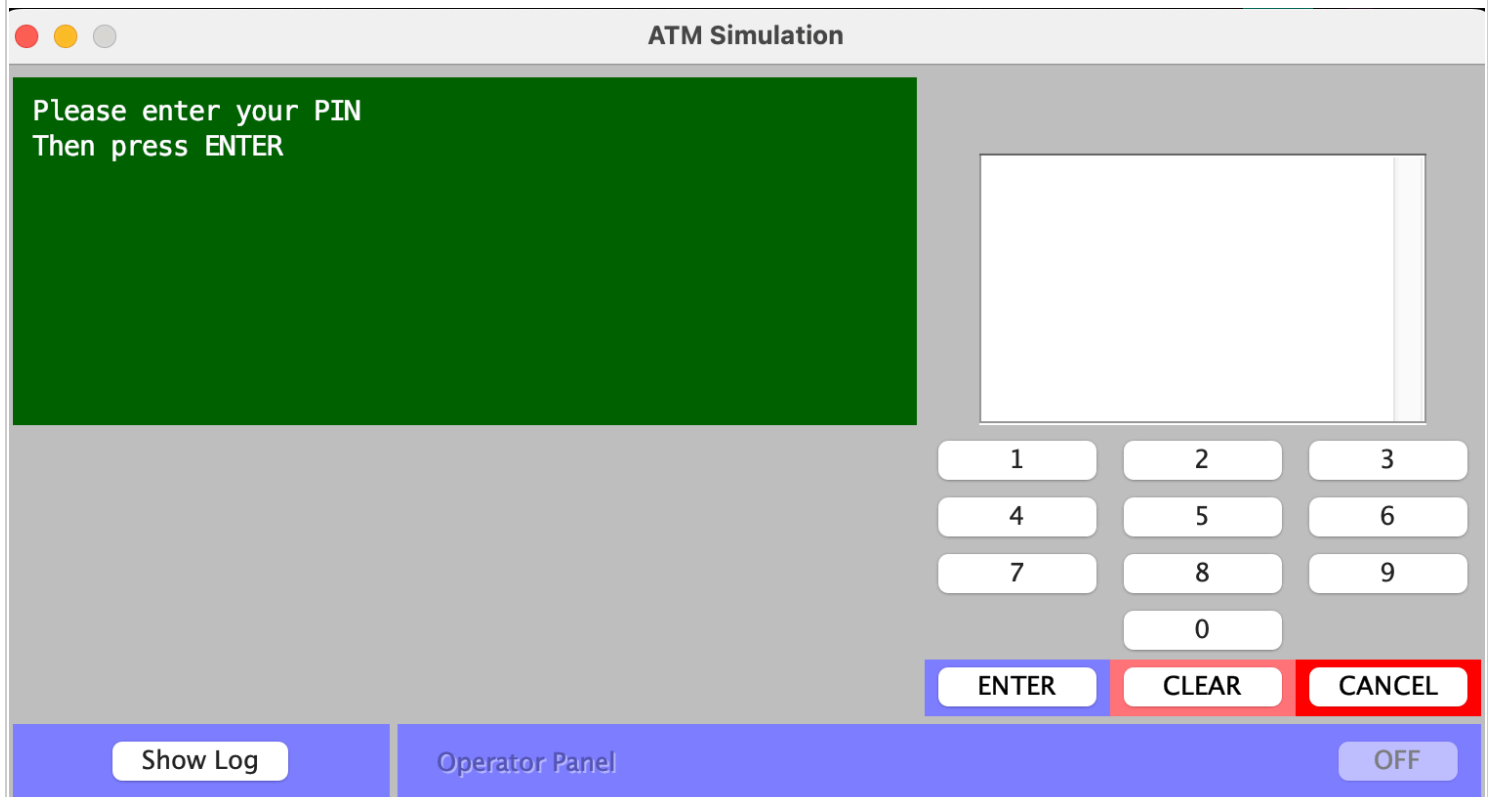
3. **Priority/Severity:** Medium

4. **Version of SUT (System Under Test):** V1.0

5. **Additional Information (if applicable):**



This screenshot shows the ATM simulation interface. The title bar is 'ATM Simulation'. On the left, a green box displays the message: 'PIN was incorrect', 'Please re-enter your PIN', 'Then press ENTER', and '**'. On the right, there is a numeric keypad with buttons for digits 1-9 and 0. Below the keypad are three buttons: 'ENTER' (blue), 'CLEAR' (red), and 'CANCEL' (red). At the bottom, there is a blue bar with a 'Show Log' button on the left, the text 'Operator Panel' in the center, and an 'OFF' button on the right.






This screenshot shows the same ATM simulation interface. The green box on the left now displays the message: 'Please enter your PIN', 'Then press ENTER'. The numeric keypad and buttons at the bottom remain the same as in the previous screenshot.

Comments

Comment by [Matheus de Morais Leça](#) [31/Jan/25]


Defect still exists in version 1.1



[A1637-2] **MFT: Correct re-entry of PIN is accepted** Created: 30/Jan/25 Updated: 31/Jan/25

Status:	In Progress
Project:	637_a1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Matheus de Morais Leça	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	 Screenshot 2025-01-29 at 7.20.38 PM.png  Screenshot 2025-01-29 at 7.20.01 PM.png
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Description

1. **Function Being Tested:** Correct re-entry of PIN is accepted

2. **Initial State of the System:** Request to re-enter PIN is being displayed

3. **Steps to Reproduce:**

After entering an invalid PIN and the system prompts the user to re-enter the PIN explaining that the previous one was incorrect, enter a valid PIN

1. **Expected Outcome:** Original transaction completes successfully

2. **Actual Outcome:** A valid PIN is asked again.

3. **Priority/Severity:** Medium

4. **Version of SUT (System Under Test):** V1.0

5. **Additional Information (if applicable):**

ATM Simulation

PIN was incorrect
Please re-enter your PIN
Then press ENTER

**

1	2	3
4	5	6
7	8	9
0		
ENTER	CLEAR	CANCEL

Show Log

Operator Panel

OFF

ATM Simulation

Please enter your PIN
Then press ENTER

1	2	3
4	5	6
7	8	9
0		
ENTER	CLEAR	CANCEL

Show Log

Operator Panel

OFF

Comments

Comment by [Matheus de Morais Leça](#) [31/Jan/25]

Defect still exists in version 1.1



Generated at Mon Feb 03 21:26:38 GMT 2025 by Pahul Brar using Jira 1001.0.0-SNAPSHOT#100278-
rev:ae82ef4bb57fe82cdd0c2959341b60c117b4af00.