

Status:	Exploratory Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260131-021806.png  image-20260131-021834.png  image-20260131-023336.png  image-20260131-023301.png  image-20260131-023310.png  image-20260131-023325.png
Rank:	0ji0009j:
Test Type:	Exploratory (Manual Non-scripted)
Version:	<ul style="list-style-type: none">Found in 1.0Also reproducible in 1.1 (regression still present)

Description

Function Being Tested

Startup

Initial State

- ATM system is **powered off**
- Application freshly launched
- No customer session in progress

Steps to Reproduce

- Launch **ATM Simulation v1.0**.
- Turn the system **On** using the power button.
- When prompted to enter the number of \$20 bills, enter **0**.
- Press **Return**.

Expected Result

- The system should **reject 0** as an invalid startup cash value.
- An error message should be displayed indicating that the ATM must start with **at least one \$20 bill**.
- The system should **remain on the startup screen** until valid input is provided.

Actual Result

- The system **accepts 0 as valid input**.
- No error message is displayed.
- The ATM proceeds to the **“Please insert your card”** screen as if initialization succeeded.

Additional Observations

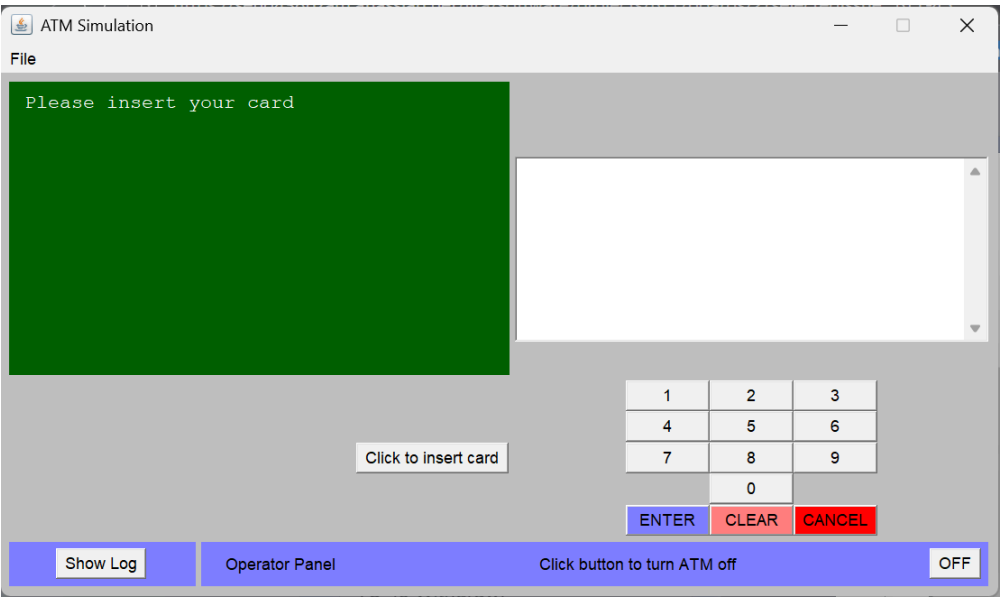
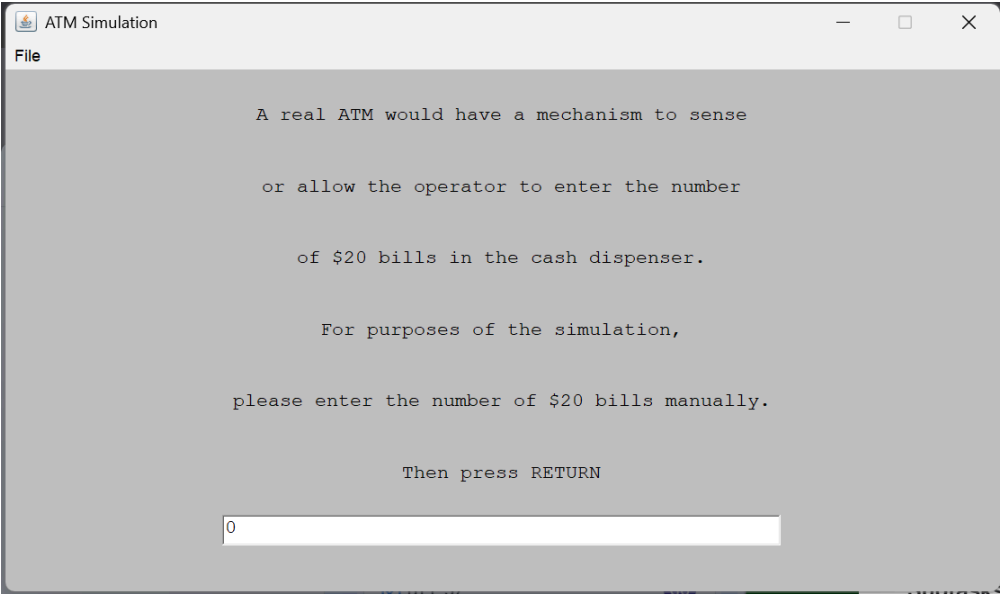
- Entering **-1** displays an error message: *“Must be a valid integer >= 0”*.

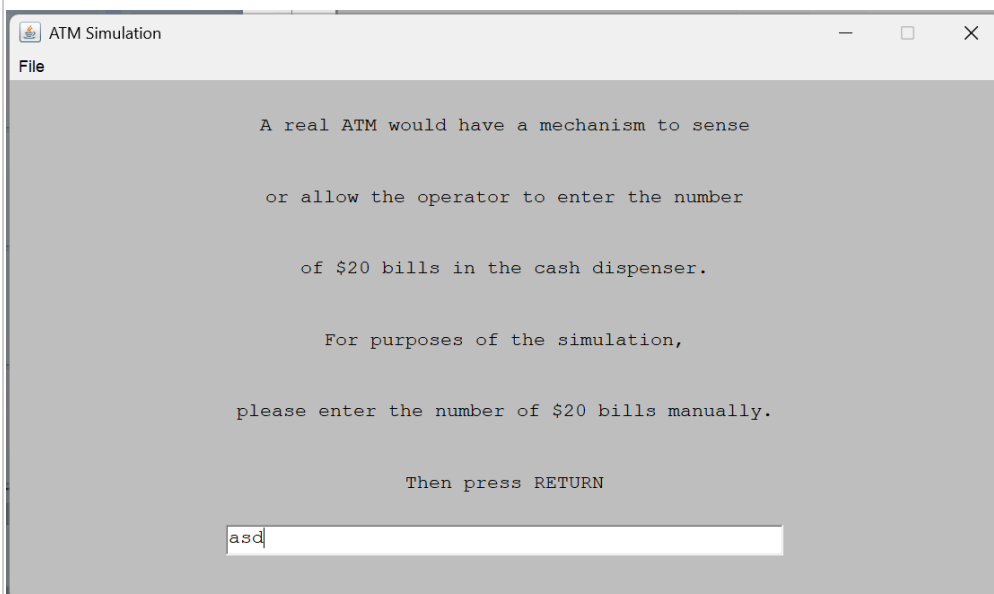
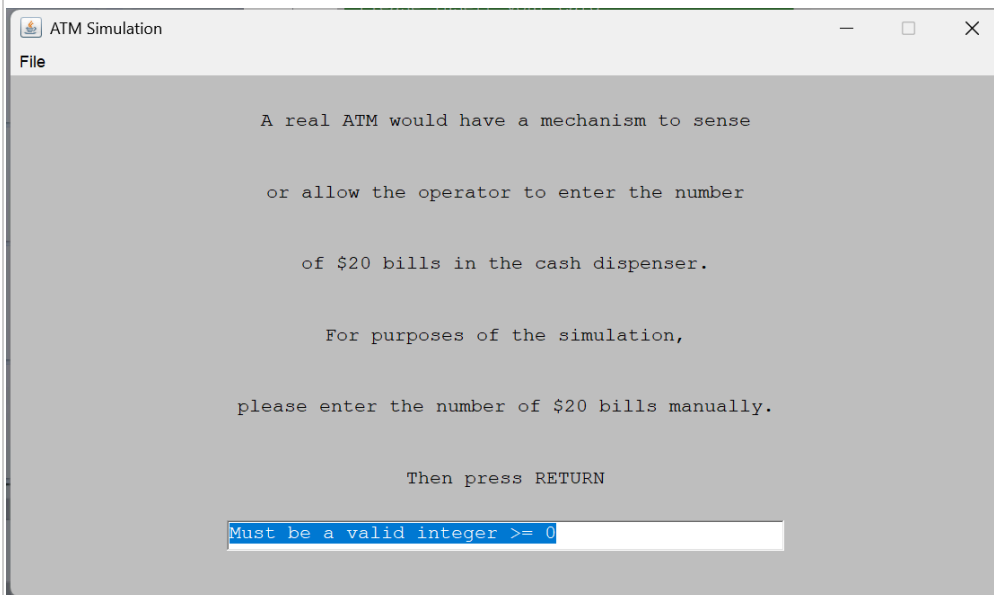
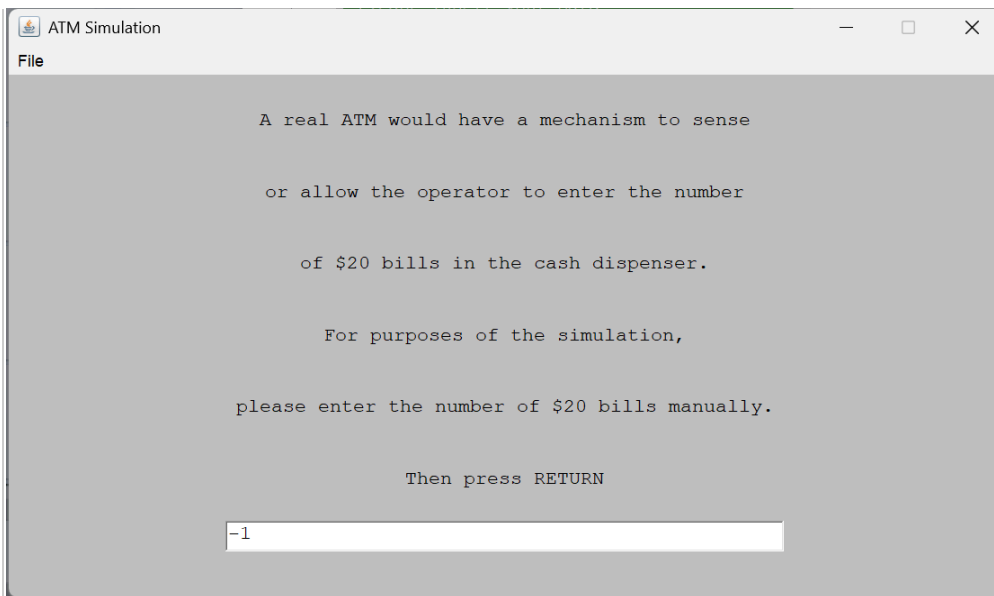
- Entering non-numeric input displays the same error.
- This indicates **inconsistent validation**: 0 is treated as valid even though it represents no available cash.

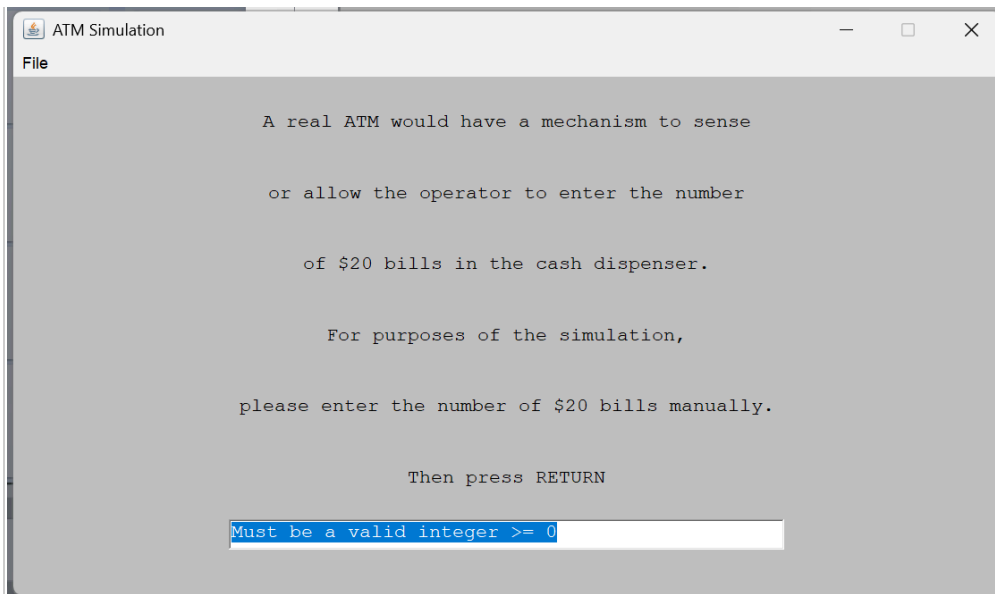
Impact

Allows the ATM to start in an invalid operational state with **no cash available**, which can cause incorrect behavior during withdrawal transactions and violates real-world ATM constraints.

Evidence











Generated at Sat Jan 31 05:08:40 UTC 2026 by Guntaas Uppal using Jira 1001.0.0-SNAPSHOT#100290-rev:e4f05783a723054bc221d0780e48a2dc2ed25997.

[BTT-46] Invalid card number “3” causes session hang after PIN entry; buttons become non-functional and ATM cannot be turned off (v1.0) Created: 31/Jan/26 Updated: 31/Jan/26

Status:	Exploratory Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260131-025817.png  image-20260131-025904.png  image-20260131-025847.png  image-20260131-030042.png
Rank:	0 i0009r:
Test Type:	Exploratory (Manual Non-scripted)
Version:	<ul style="list-style-type: none">1.0 (defect reproduced)1.1 (behavior changed: card is rejected instead of hang)

Description

Function Being Tested

Session (Card validation / PIN entry)

Initial State

- ATM is **On**
- ATM is **idle** at the main screen (shows “Please insert your card”)
- No session in progress

Steps to Reproduce (v1.0)

- Click “**Click to insert card**”.
- Enter card number **3**, then press **Enter**.
- When prompted for PIN, enter **42** and press **Enter**.
(Also occurs with PIN 1234 or any numbers).

Expected Result

- System should **reject invalid card number (3)** with an error message (or equivalent).
- Card/session should be **terminated cleanly** (return to idle / allow new card).
- Operator should still be able to use **OFF** if not servicing a valid customer session.

Actual Result (v1.0)

- After entering the PIN, the ATM becomes **stuck/hangs**:
 - The **OFF** button cannot be pressed.
 - Other buttons can be clicked but **do nothing** (no UI response / no state change).
- No error message is displayed and the session does not recover.

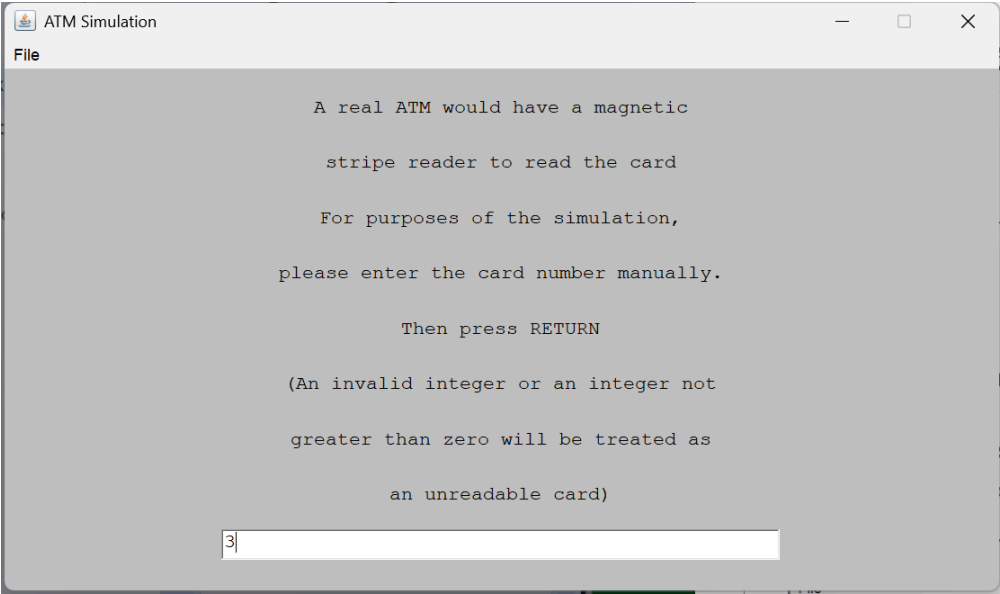
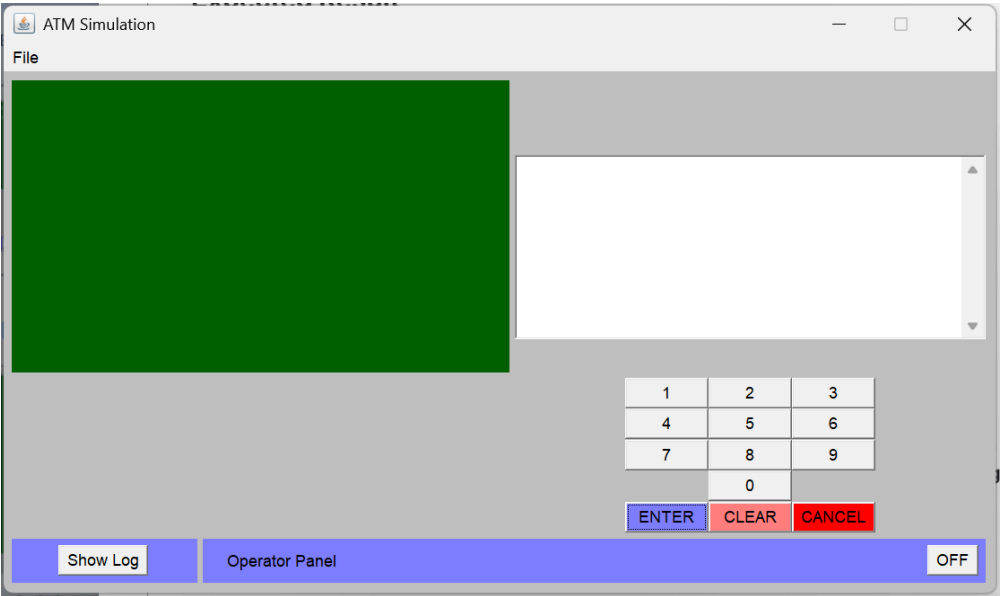
Version Comparison Note

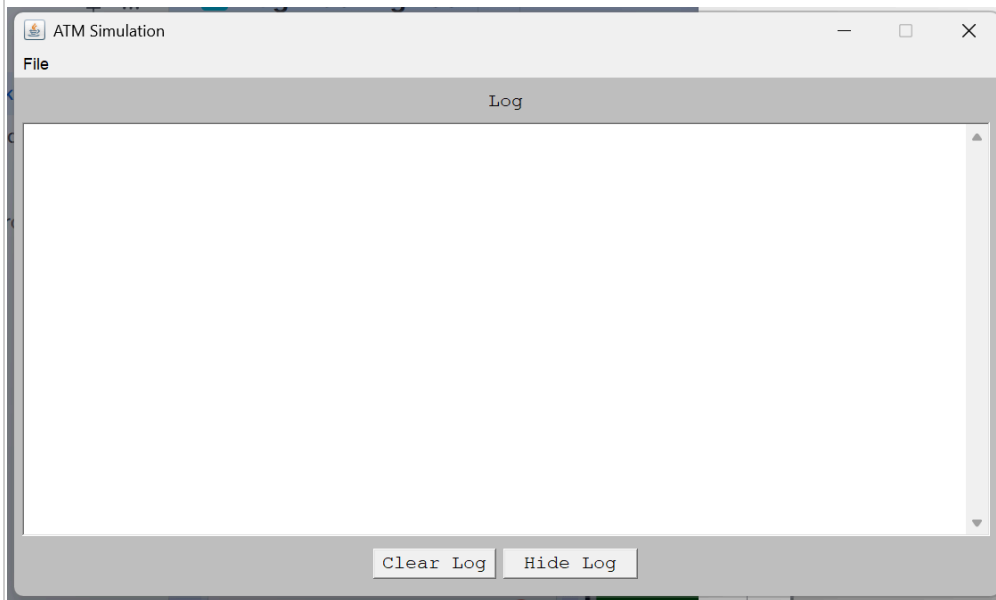
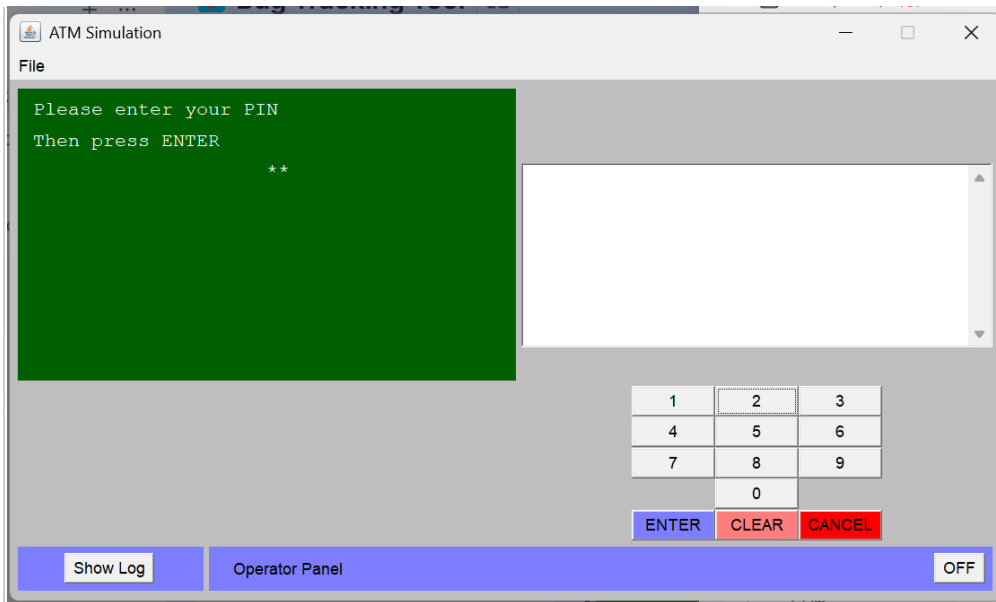
- In **v1.1**, entering card **3** and then PIN (**42** or **1234** or any numbers) results in the ATM **rejecting/ejecting the card after asking for the PIN**, instead of hanging.

Impact

Invalid card input can make the ATM **unusable** until restarted (availability/reliability issue) and blocks the operator from shutting down normally.

Evidence





31/Jan/26 Updated: 31/Jan/26

Status:	Exploratory Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Sukhansh Singh Nagi	Assignee:	Sukhansh Singh Nagi
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	 image-20260131-031348.png  image-20260131-031407.png
Rank:	0ji0009z:
Test Type:	Exploratory (Manual Non-scripted)
Version:	<ul style="list-style-type: none">1.01.1 (defect still present)

Description

Function Being Tested

Session / Invalid PIN handling (Invalid PIN Extension)

Initial State

- ATM system is **On**
- ATM is **idle** and ready for a new session
- No customer session active

Steps to Reproduce

- Click “**Click to insert card**”.
- Enter a **valid card number** (1 or 2) and press **Enter**.
- When prompted for PIN, enter an **incorrect PIN** and press **Enter**.
- When prompted to re-enter the PIN, enter the **correct PIN** (**42** for card 1 or **1234** for card 2).
- Press **Enter**.

Expected Result

- After entering the **correct PIN**, the system should:
 - Accept the PIN
 - Proceed to the **transaction menu**
 - Allow the customer to continue the original session

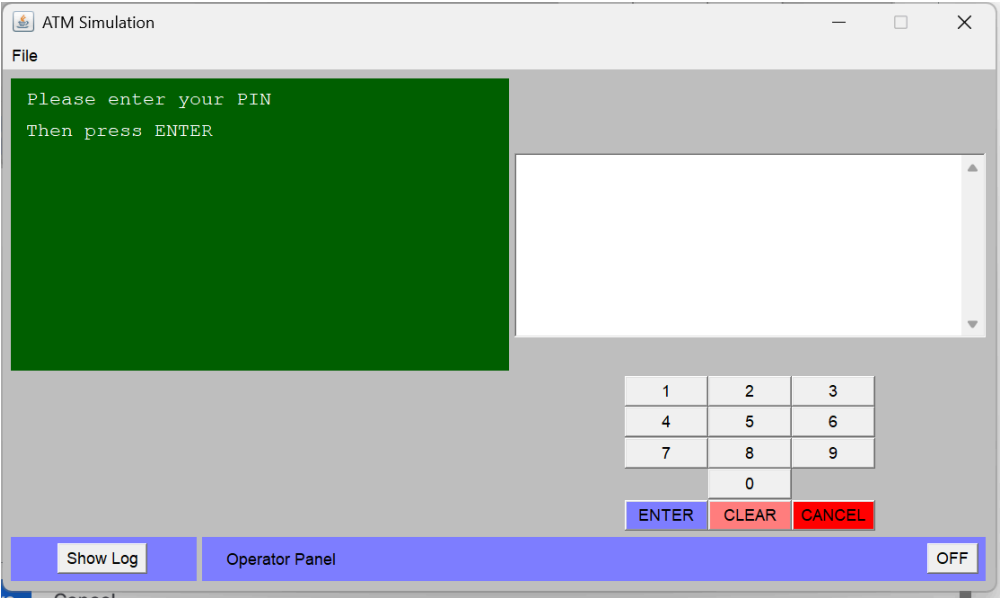
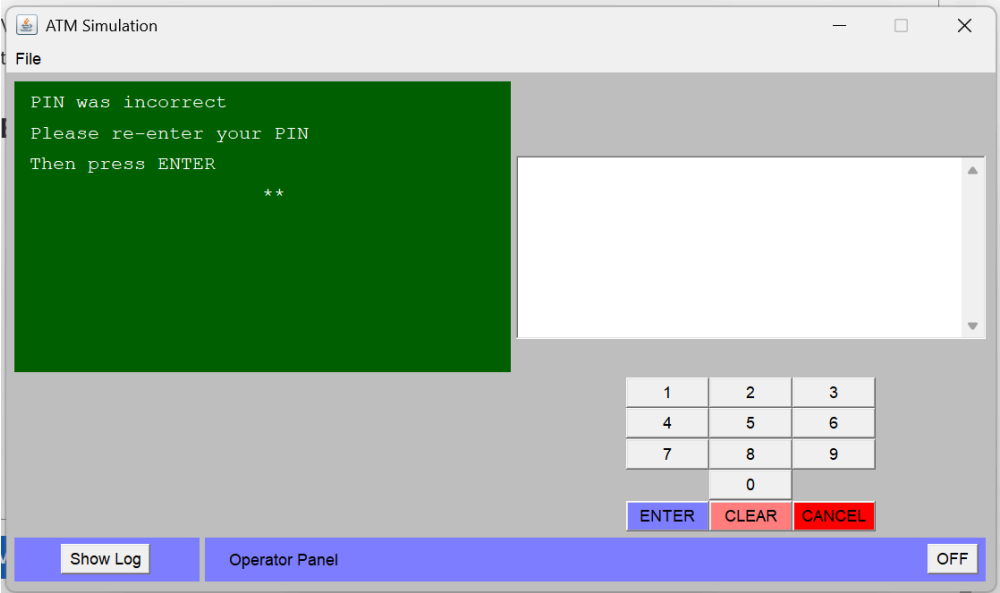
Actual Result

- The ATM **does not accept the correct PIN**.
- The system **prompts for the PIN again**, as if the correct PIN were invalid (but doesnt say the PIN was wrong).
- The customer cannot proceed to the transaction menu.

Impact

Valid users are unable to continue their session after a single incorrect PIN entry, potentially leading to repeated failures or card retention and poor usability.

Evidence



Status:	Exploratory Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260131-043246.png  image-20260131-043303.png
Rank:	0ji000an:
Test Type:	Exploratory (Manual Non-scripted)
Version:	<ul style="list-style-type: none">1.0 — defect present1.1 — defect present

Description

Function Being Tested

Receipt / Log

Initial State

- ATM system is **On**
- ATM is idle and ready for a new customer session
- User logs in using **Card 1** with a valid PIN

Steps to Reproduce

- Insert card and enter **card number 1**.
- Enter correct PIN (**42**).
- Perform any transaction that generates a receipt (e.g., deposit or withdrawal).
- View the printed receipt.

Expected Result

- Receipt should display the **same card number used to authenticate the session**.
- Card number shown on the receipt should correctly identify the customer.

Actual Result

- Receipt displays a **different card number** than the one used to log in.
- Transaction completes successfully, but receipt information is incorrect.

Impact

Incorrect card numbers on receipts can lead to **audit inaccuracies**, **customer confusion**, and unreliable transaction tracking.

Evidence

```
Fri Jan 30 21:19:07 MST 2026
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #1
DEPOSIT TO: CHKG
AMOUNT: $100.00
TOTAL BAL: $190.00
AVAILABLE: $100.00
Fri Jan 30 21:20:27 MST 2026
First National Bank of Podunk
```

```
TOTAL BAL: $199.90
AVAILABLE: $100.00
Fri Jan 30 21:20:26 MST 2026
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #2
DEPOSIT TO: SVGS
AMOUNT: $100.00
TOTAL BAL: $1099.90
AVAILABLE: $1000.00
```

note that the correct card number is correct on the atm log

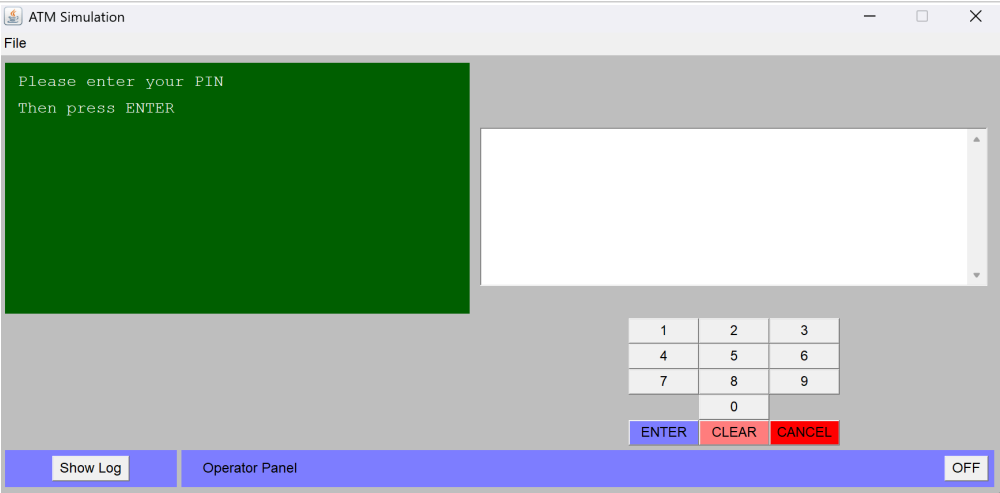
Generated at Sat Jan 31 05:09:40 UTC 2026 by Guntaas Uppal using Jira 1001.0.0-SNAPSHOT#100290-
rev:e4f05783a723054bc221d0780e48a2dc2ed25997.

Status:	Manual Scripted Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260126-053830.png
Rank:	0 hzzzyo:x

Description



Test Case ID: TC-06

Test Description: Verify that the ATM rejects an unreadable card.

Initial State:

ATM is powered ON and is not currently servicing any customer. The system is displaying the idle screen.

Action / Input:

Attempt to insert an unreadable or invalid card.

Expected Result:

The card should be rejected and ejected. An error message should be displayed, and the system should return to the idle state ready for a new session.

Actual Result (Version 1.0):

The system accepts the unreadable card and proceeds to prompt the user to enter a PIN instead of rejecting the card and displaying an error message.

Actual Result (Version 1.1):



Same behavior observed as Version 1.0. The system still accepts the unreadable card and prompts for PIN entry instead of rejecting the card.

Result:

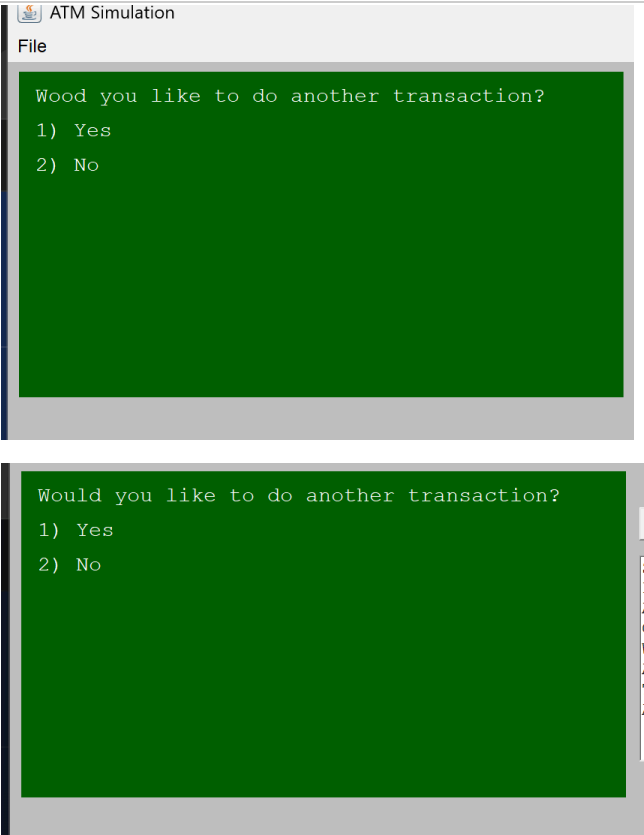
Fail (Defect exists in both Version 1.0 and Version 1.1)

Status:	Manual Scripted Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260126-055250.png  image-20260126-055123.png
Rank:	0 hzzzyo:z

Description



Test Case ID: TC-08

Test Description: Verify that a customer can successfully perform a transaction.

Initial State:

Transaction menu is displayed after a successful login.

Action / Input:

Select and complete a valid transaction such as a balance inquiry.

Expected Result:

Transaction completes successfully and the system prompts the user asking whether another transaction is desired, with correct wording displayed on the screen.

Actual Result (Version 1.0):

The transaction completes successfully and the system asks whether another transaction is desired; however, the prompt contains a spelling error in the displayed message.

Actual Result (Version 1.1):

The prompt text is displayed correctly with no spelling errors.

Result:



Fail in Version 1.0

Pass in Version 1.1

Generated at Sat Jan 31 05:10:05 UTC 2026 by Guntaas Uppal using Jira 1001.0.0-SNAPSHOT#100290-
rev:e4f05783a723054bc221d0780e48a2dc2ed25997.

Status:	Manual Scripted Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260131-025550.png  image-20260131-025535.png
Rank:	0 hzzzyo:z001zr

Description

Test Case ID: TC-33

Test Description: Verify that the ATM prompts the user to choose an account for a balance inquiry.

Initial State:

ATM is powered ON and the user has successfully logged in.

The transaction menu is displayed.

Action / Input:

Select the Inquiry option from the transaction menu.

Expected Result:

The system should display a menu of all available account types for inquiry, including Checking, Savings, and Money Market (if applicable to the card).

Actual Result (Version 1.0):

The system displays the account selection menu with Checking and Money Market options only. The Savings account option is missing.

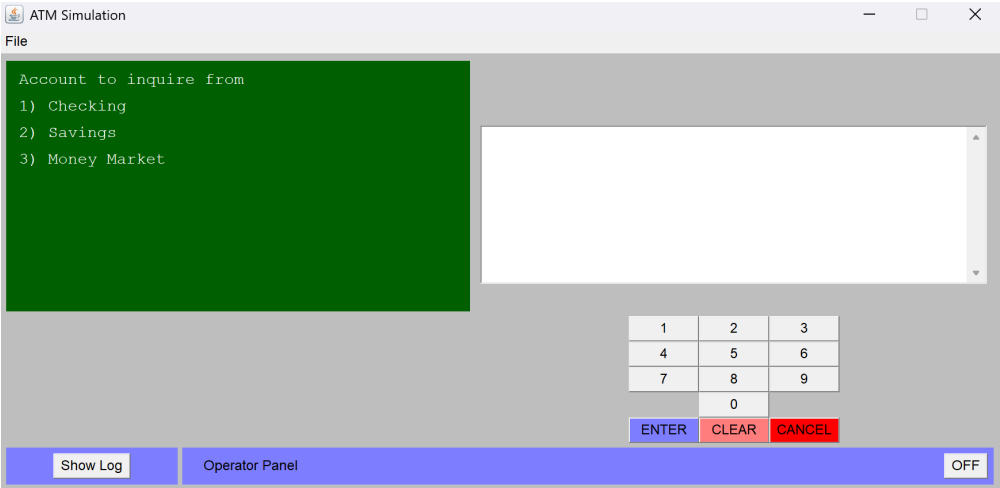
Actual Result (Version 1.1):

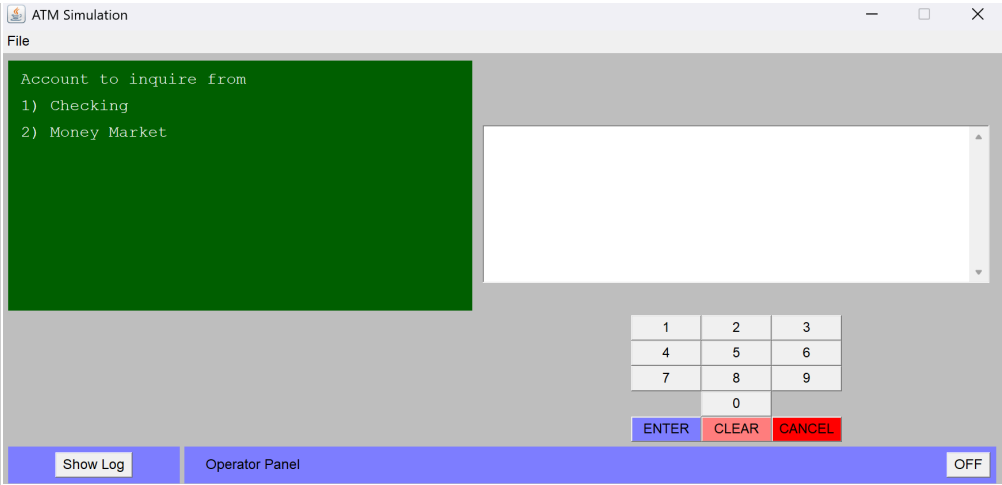
The system displays all available account types correctly, including Checking, Savings, and Money Market.

Result:

Fail in Version 1.0


Pass in Version 1.1





Status:	Manual Scripted Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260131-040351.png
Rank:	0ji000a7:
Test Type:	Exploratory (Manual Non-scripted)
Version:	<ul style="list-style-type: none">1.0 — defect present1.1 — fixed (verified)

Description

Function Being Tested

Withdrawal

Initial State

- ATM is **On**
- ATM has sufficient cash available for tested withdrawals
- ATM is **idle** (ready for session)
- Use **Card 1** (PIN 42) with access to **Checking** and **Savings**

Steps to Reproduce (v1.0)

- Click “**Click to insert card**”.
- Enter card number 1, then **Enter**.
- Enter PIN 42, then **Enter**.
- Select **Withdrawal**.
- Select **Checking** (repeat test with **Savings**).
- Select a withdrawal amount and observe cash dispensed / balance deducted.

Expected Result

For each selection, ATM should dispense and deduct **exactly the selected amount**.

Actual Result (v1.0)

ATM dispenses/deducts the **wrong amount** according to the selected option (observed in **both Checking and Savings**):

- Select **\$20** -> dispenses/deducts **\$40**
- Select **\$40** → dispenses/deducts **\$60**
- Select **\$60** → dispenses/deducts **\$100**
- Select **\$100** → dispenses/deducts **\$200**
- Select **\$200** → dispenses/deducts **\$20**

(Behavior indicates incorrect mapping between menu selection and processed withdrawal amount.)

Regression Result (v1.1)

- Withdrawal selections dispense/deduct the **correct amount** (issue no longer reproducible).

Impact

Customers can receive incorrect cash amounts and have incorrect balances, causing **financial loss**, incorrect receipts/logs, and loss of trust. This is a **critical correctness defect** in a core ATM function.

Evidence to Attach









[BTT-49] Deposit receipt shows incorrect TOTAL BAL after \$100 deposit (v1.0 off by \$10.00; v1.1 off by \$0.10)

Created: 31/Jan/26 Updated: 31/Jan/26

Status:	Manual Scripted Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Attachments:	 image-20260131-042819.png  image-20260131-042828.png  image-20260131-042846.png  image-20260131-042746.png  image-20260131-042721.png  image-20260131-042900.png			
Rank:	0 j000af:			
Test Type:	MFT (Manual Scripted Testing)			
Version:	<ul style="list-style-type: none">1.0 — defect present1.1 — defect still present (different incorrect amount)			

Description

Function Being Tested

Deposit / Receipt

Related Test Cases

Appendix C: #19–22 (Deposit flow and receipt)

Initial State

- ATM system is **On**
- ATM is ready to accept a customer session
- User logs in using a **valid card** (Card 1 used during testing)
- Transaction menu is accessible

Steps to Reproduce

- Insert card and log in with **Card 1** and correct PIN.
- Select **Deposit** transaction.
- Select **Checking** account
(repeatable with Savings account as well).
- Enter deposit amount **100**.
- Insert the envelope when prompted.
- View the printed receipt.

Expected Result

- Receipt should display:
 - AMOUNT: \$100.00**
 - TOTAL BAL** correctly increased by **\$100.00** for the selected account
 - AVAILABLE** balance may remain unchanged (pending verification), but **TOTAL BAL must be correct**

Actual Result

Version 1.0

Receipt shows incorrect **TOTAL BAL** after deposit:

DEPOSIT TO: CHKG
AMOUNT: \$100.00
TOTAL BAL: \$190.00
AVAILABLE: \$100.00

And
DEPOSIT TO: SVGS
AMOUNT: \$100.00
TOTAL BAL: \$1090.00
AVAILABLE: \$1000.00

TOTAL BAL appears **\$10.00 lower than expected**.

Version 1.1

Receipt still shows incorrect **TOTAL BAL**, but with a smaller discrepancy:

DEPOSIT TO: CHKG
AMOUNT: \$100.00
TOTAL BAL: \$199.90
AVAILABLE: \$100.00

and
DEPOSIT TO: SVGS
AMOUNT: \$100.00
TOTAL BAL: \$1099.90
AVAILABLE: \$1000.00

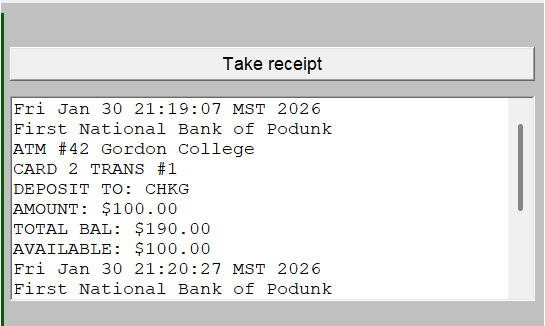
TOTAL BAL appears **\$0.10 lower than expected**.

Impact

Customers receive **incorrect balance information on receipts** after deposits, which can lead to confusion, mistrust, and accounting discrepancies.

Evidence

Screenshot of receipt output in **v1.0**



Take receipt

TOTAL BAL: \$190.00
AVAILABLE: \$100.00
Fri Jan 30 21:20:27 MST 2026
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #2
DEPOSIT TO: SVGS
AMOUNT: \$100.00
TOTAL BAL: \$1090.00
AVAILABLE: \$1000.00

ATM Simulation

File

Log

Message: INIT_DEP CARD# 1 TRANS# 1 NO FROM TO 0 \$100.00
Response: SUCCESS
Envelope: received
Message: COMP_DEP CARD# 1 TRANS# 1 NO FROM TO 0 \$100.00
Response: SUCCESS
Message: INIT_DEP CARD# 1 TRANS# 2 NO FROM TO 1 \$100.00
Response: SUCCESS
Envelope: received
Message: COMP_DEP CARD# 1 TRANS# 2 NO FROM TO 1 \$100.00
Response: SUCCESS
Message: INIT_DEP CARD# 1 TRANS# 3 NO FROM TO 2 \$100.00
Response: FAILURE Invalid account type

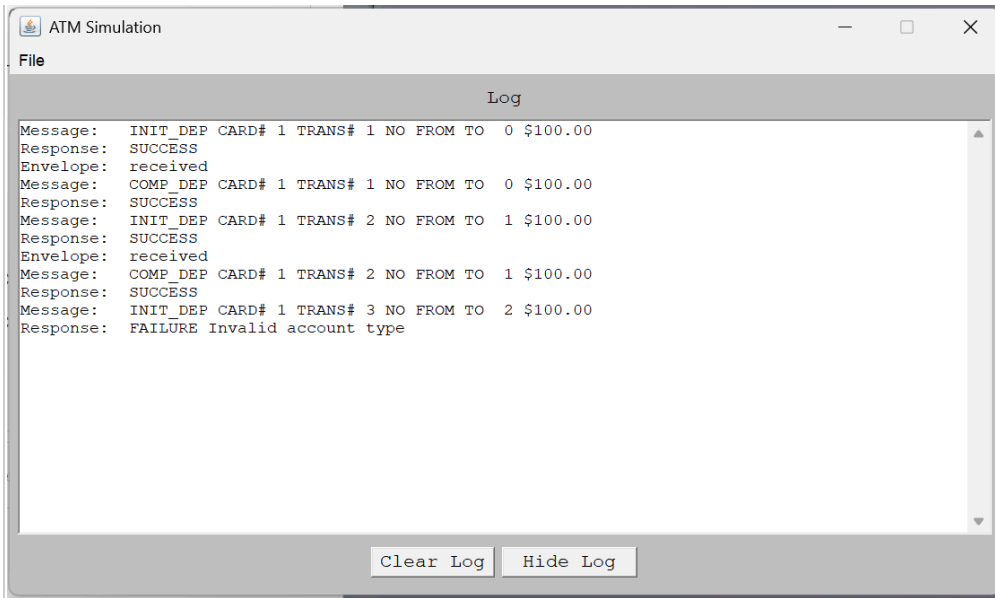
Clear Log Hide Log

Screenshot of receipt output in v1.1

Take receipt

Fri Jan 30 21:19:08 MST 2026
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #1
DEPOSIT TO: CHKG
AMOUNT: \$100.00
TOTAL BAL: \$199.90
AVAILABLE: \$100.00
Fri Jan 30 21:20:26 MST 2026
First National Bank of Podunk

Fri Jan 30 21:20:26 MST 2026
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #2
DEPOSIT TO: SVGS
AMOUNT: \$100.00
TOTAL BAL: \$1099.90
AVAILABLE: \$1000.00



Generated at Sat Jan 31 05:10:40 UTC 2026 by Guntaas Uppal using Jira 1001.0.0-SNAPSHOT#100290-rev:e4f05783a723054bc221d0780e48a2dc2ed25997.

31/Jan/26 Updated: 31/Jan/26

Status:	Manual Scripted Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

Rank:	0ji000av:
Test Type:	MFT (Manual Scripted Testing)
Version:	<ul style="list-style-type: none">1.01.1

Description

Function Being Tested

Session / Invalid PIN Handling (Invalid PIN Extension)

Related Test Cases

Appendix C: TC-36, TC-37, TC-38, TC-39, TC-40

Initial State

- ATM system is On
- ATM is idle and ready for a new session
- No active customer session

Test Execution Summary

Scripted test cases **TC-36 to TC-40** were executed as specified in Appendix C to validate the Invalid PIN Extension behavior (PIN re-entry after an incorrect attempt).

Expected Result

- TC-36: Customer is prompted to re-enter PIN after an incorrect PIN.
- TC-37–TC-40: Upon correct PIN re-entry (on first, second, or third try), the **original transaction completes successfully**, as specified.

Actual Result

- TC-36 behaves as expected (system prompts for PIN re-entry).
- TC-37 to TC-40 fail:**
 - After entering the correct PIN, the system **continues to prompt for PIN re-entry**.
 - No confirmation message is displayed.
 - The original transaction does not proceed.

This behavior matches the defect previously reported as **BTT-47**.

Status

- **Partially Failed**
- Failures attributed to **existing defect BTT-47**
- No new defect created for this issue

Impact

Scripted Invalid PIN Extension scenarios cannot complete successfully, preventing verification of correct PIN recovery behavior and blocking normal customer transactions after an initial mistake.



Evidence

- Reference to defect **BTT-47**

Generated at Sat Jan 31 05:10:55 UTC 2026 by Guntaas Uppal using Jira 1001.0.0-SNAPSHOT#100290-rev:e4f05783a723054bc221d0780e48a2dc2ed25997.

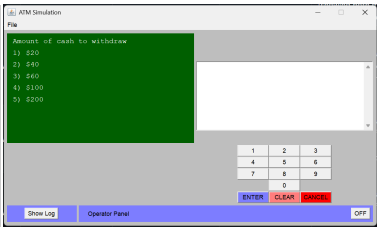
Status:	Regression Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

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

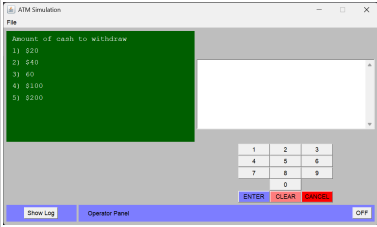
Attachments:	 image-20260126-064942.png  image-20260126-065014.png
Rank:	0ji0008n:

Description

<p>Function Being Tested:</p> <p>Withdrawal - Select withdrawal amount</p> <p>Initial State:</p> <ul style="list-style-type: none">• System is powered ON• ATM is idle• A readable card has been inserted• Correct PIN has been entered• Transaction type menu is displayed• Account selection menu is displayed <p>Steps to Reproduce:</p> <ol style="list-style-type: none">1. Select Withdrawal from the transaction menu2. Select Checking as the account to withdraw from3. Observe the list of available withdrawal amounts <p>Expected Result:</p> <ul style="list-style-type: none">• All withdrawal amount options are displayed with a currency symbol• Example: \$20, \$40, \$60, \$100, \$200 <p>Actual Result:</p> <ul style="list-style-type: none">• In ATM System Version 1.1, the \$60 option is displayed as 60 (missing currency symbol)• Other withdrawal amounts continue to display the \$ symbol correctly <p>Version Affected:</p> <p>ATM System Version 1.1</p> <p>Version Comparison:</p> <ul style="list-style-type: none">• Version 1.0: All withdrawal amounts display correct currency symbols• Version 1.1: \$60 is displayed as 60 <p>Impact:</p> <ul style="list-style-type: none">• User interface inconsistency• Potential user confusion regarding monetary values <p>Attachments:</p> <ul style="list-style-type: none">• Screenshot showing correct display in Version 1.0
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- Screenshot showing missing currency symbol in Version 1.1



Status:	Regression Testing
Project:	Bug Tracking Tool
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Sukhansh Singh Nagi	Assignee:	Sukhansh Singh Nagi
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Rank:	0 j0008v:
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Description

TC-36 Invalid PIN Extension (Version 1.1)

Description

Test Case ID: TC-36
Test Description: Customer is asked to re-enter PIN after entering an incorrect PIN
Version: 1.1

Initial State:

- System is powered ON
- ATM is idle and not servicing a customer
- A valid ATM card has been inserted
- System is prompting for PIN entry

Input / Action:

- Enter an incorrect PIN
- Attempt an inquiry transaction on the customer's checking account

Expected Result

- The ATM displays an appropriate error message indicating an invalid PIN
- The customer is prompted to re-enter the PIN
- The card remains inserted and the session continues

Actual Result

- After entering an incorrect PIN, the ATM ejects the customer's card
- The system does not prompt the customer to re-enter the PIN
- The session is terminated immediately

Result

FAIL