




[A1-9] [ET] Depositing money in sections gives incorrect balance amount

Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress		
Project:	Assignment1		
Components:	None		
Affects versions:	v1.0, v1.1		
Fix versions:	None		
Type:	Bug	Priority:	Medium
Reporter:	Sid Menon	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Attachments:	<div><div> image-20230127-210826.png</div><div> image-20230127-211004.png</div><div> image-20230127-211108.png</div></div>		

Description

Function being tested: Depositing money in sections.

Initial state of system: On, showing default menu

Steps to recreate bug:

1. Turn on atm
2. Enter 5 \$20 bills, for a total of \$100
3. Insert card
4. Enter details for card 1
5. Deposit \$50 to chequing
6. Total balance is \$140

ATM Simulation

File

Please choose transaction type

1) Withdrawal

2) Deposit

3) Transfer

4) Balance Inquiry

Take receipt

Fri Jan 27 14:07:43 MST 2023

First National Bank of Podunk

ATM #42 Gordon College

CARD 2 TRANS #1

DEPOSIT TO: CHKG

AMOUNT: \$50.00

TOTAL BAL: \$140.00

AVAILABLE: \$100.00

123

456

789

0

ENTERCLEARCANCEL

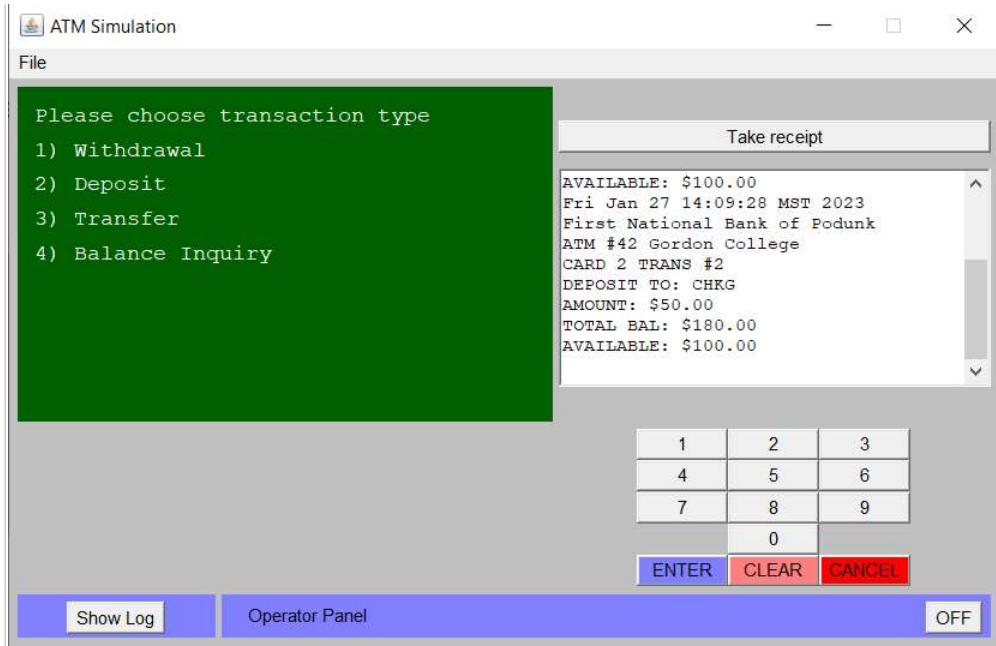
Show Log

Operator Panel

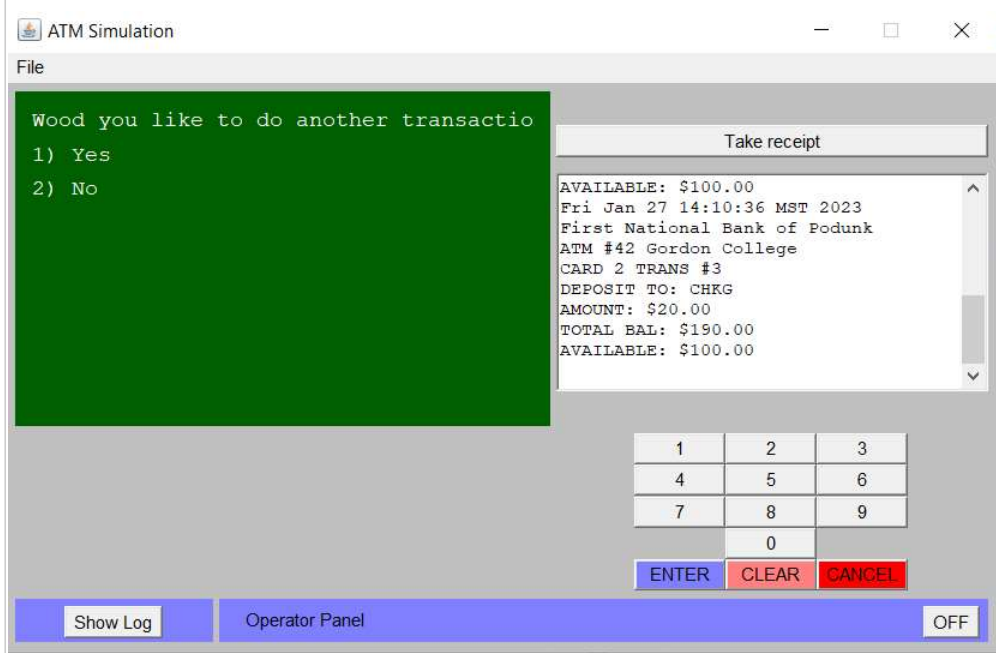
OFF

7. Deposit another \$50 to chequing

8. Total balance is \$180



9. Deposit the remaining \$20 into chequing
10. Total balance is \$190



Expected outcome:

After depositing the first \$50 the total balance should have been \$150. After depositing the second \$50 the second balance should have been \$200. If we can only deposit in multiples of \$20, the last deposit of \$20 should have given a total balance of \$200 instead of \$190

Comments


- Comment by Sid Menon [27/Jan/23]
- This issue persists in v1.1
- Comment by Sadman Shahriar Snigdho [27/Jan/23]
- In v1.1 the issue is different than 1.0. But a similar issue still persists. where it account balance is not reflective of what it should be after the deposit.
- Generated at Fri Jan 27 21:26:55 UTC 2023 by Sadman Shahriar Snigdho using Jira 1001.0.0-SNAPSHOT#100214-sha1:c40e72a2441974aaf4a204cdeaf69cef25d44171.

[A1-3] [ET] Spelling/Grammar Error

Created: 25/Jan/23 Updated: 26/Jan/23 Resolved: 26/Jan/23

Status:	Done
Project:	Assignment1
Components:	None
Affects versions:	v1.0
Fix versions:	v1.1

Type:	Bug	Priority:	Lowest
Reporter:	Kolby Lalonde	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:  image-20230126-044819.png

Description

Function Being Tested: Withdrawal.

Initial state of system: System is on asking if user wants to continue with further transactions.

Encounter Details & Actual Outcome:

When asking if the user wants to do another transaction the word “wood”, which does not make any meaningful sense.

ATM Simulation

Wood you like to do another transaction?
1) Yes
2) No

1234567890

ENTERCLEARCANCEL

Show Log

Operator Panel

OFF

Expected Outcome:

The expected sentence with grammatical correction should use the word “would” at the start of the sentence.

[A1-12] [ET] When depositing a very large amount into an account causing the system to freeze

Created: 27/Jan/23

Updated: 27/Jan/23

Status:	In Progress		
Project:	Assignment1		
Components:	None		
Affects versions:	v1.0, v1.1		
Fix versions:	None		

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

Attachments:

Description

Function Being Tested: Deposit

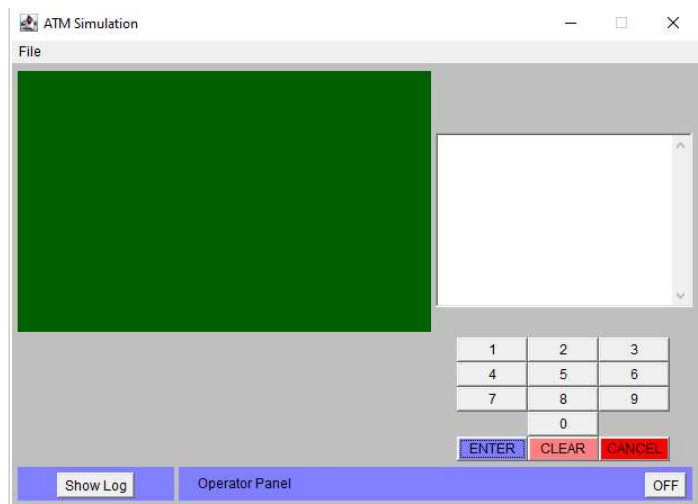
Initial State of System: System is on and is displaying a request for the customer to type a dollar amount

Encounter Details and Actual Outcome:

After turning the system on and entering the correct pin then choosing to deposit to savings. When entering a very large value such as \$8888888888.

The screenshot shows a window titled "ATM Simulation". Inside, there's a green rectangular area representing the screen, which displays the text "Amount to deposit" followed by "888888888888.88". To the right of the screen is a white rectangular area, possibly for a receipt or additional information. Below the screen is a numeric keypad with buttons for digits 1 through 9, 0, and three function buttons: "ENTER" (blue), "CLEAR" (red), and "CANCEL" (red). At the bottom of the window is a blue bar containing three buttons: "Show Log" (white), "Operator Panel" (white), and "OFF" (white).

The system freezes and completely stops working.



Expected Outcome:

The system should display an error if the amount is too large for the ATM system to take or accept it if possible.

Actual Outcome:

System freezes and is unresponsive.

Comments

Comment by Sadman Shahriar Snigdho [27/Jan/23]
Probably being caused by the system not being able to handle a number bigger than a 16 bit Integer.
Comment by Sadman Shahriar Snigdho [27/Jan/23]
This bug still persists in v1.1.

Generated at Fri Jan 27 21:28:05 UTC 2023 by Sadman Shahriar Snigdho using Jira 1001.0.0-SNAPSHOT#100214-sha1:c40e72a2441974aaf4a204cdeaf69cef25d44171.

[A1-4] [MFT] [TC#6] Entering 3 as card number still asks for password and breaks the system to an unusable state.

Created: 25/Jan/23 Updated: 27/Jan/23 Resolved: 26/Jan/23

Status:	Done		
Project:	Assignment1		
Components:	None		
Affects versions:	v1.0		
Fix versions:	v1.1		

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

Attachments: image-20230126-045643.png image-20230126-045729.png

Description

Function Being Tested: System Rejects an Unreadable Card

Initial state of system: System is on and waiting for user to insert a valid card.

Encounter Details & Actual Outcome:

After turning the system on,

While entering specifically 3 as card number, the system asks for a password and regardless of the input password, the system bricks, returns this error in the terminal.

ATM Simulation

A real ATM would have a magnetic stripe reader to read the card

For purposes of the simulation, please enter the card number manually.

Then press RETURN

(An invalid integer or an integer not greater than zero will be treated as an unreadable card)

3

```
[(base) MacBook-Pro:desktop kolbylalonde$ java -jar A.jar  
Exception in thread "Thread-1" java.lang.ArrayIndexOutOfBoundsException: Index 3  
out of bounds for length 3  
    at simulation.SimulatedBank.checkPIN(SimulatedBank.java:346)  
    at atm.Session.performSession(Session.java:66)  
    at atm.ATM.run(ATM.java:124)  
    at java.base/java.lang.Thread.run(Thread.java:1589)  
[(base) MacBook-Pro:desktop kolbylalonde$ java -jar A.jar
```

Expected Outcome:

The system should catch the exception and return an error saying **Invalid Account Number** and ask the user to put another account number in,


Generated at Fri Jan 27 21:18:47 UTC 2023 by Sadman Shahriar Snigdho using Jira 1001.0.0-SNAPSHOT#100214-sha1:c40e72a2441974aaf4a204cdeaf69cef25d44171.


[A1-8] [MFT] [TC#11] While first entering the wrong pin and then entering the right PIN, the system doesnt log in and asks for the password again. Created: 26/Jan/23 Updated: 27/Jan/23


Status:	In Progress		
Project:	Assignment1		
Components:	None		
Affects versions:	v1.0, v1.1		
Fix versions:	None		

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

Attachments:

 image-20230126-052334.png

 image-20230126-053118.png

 image-20230126-053218.png

Description

Function Being Tested: If System handles an invalid PIN properly.

Initial state of system: A readable card has been entered.

Encounter Details & Actual Outcome:

When a readable card with a recognized account number is entered, the system asks for a PIN.

```
Please enter your PIN
Then press ENTER
```

If entered a wrong PIN, the system will return an error and ask to return a correct PIN.

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

In this screen, even when the right PIN is entered, the system asks for a PIN again and shows this screen.



Entering the right PIN in this screen will log the user in.

Expected Outcome:

The system should log the user in when the right PIN was entered. Instead of asking for the asking again.

Comments

Comment by Sadman Shahriar Snigdho [26/Jan/23]
This bug still persists in v1.1

Generated at Fri Jan 27 21:26:38 UTC 2023 by Sadman Shahriar Snigdho using Jira 1001.0.0-SNAPSHOT#100214-sha1:c40e72a2441974aaf4a204cdeaf69cef25d44171.

[A1-2] [MFT] [TC#14, 15, 16] Incorrect Withdrawal Amounts while choosing any option.

Created: 25/Jan/23 Updated:

27/Jan/23 Resolved: 26/Jan/23

Status:	Done
Project:	Assignment1
Components:	None
Affects versions:	v1.0
Fix versions:	v1.1

Type:	Bug	Priority:	Highest
Reporter:	Kolby Lalonde	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Exploratory Testing		

Attachments: image-20230125-235605.png

Description

Function Being Tested: Withdrawal.

Initial state of system: System is on and in the withdrawal amount selection screen.

Encounter Details & Outcome:

While logged in as an user with sufficient balance.
Selecting **Withdrawal** and trying to withdraw 200\$ using option 5.
It only Withdraws 20\$.

ATM Simulation

File

Wood you like to do another transactio

1) Yes

2) No

Take receipt

ACCOUNT: \$399.50

TOTAL BAL: \$499.50

AVAILABLE: \$499.50

Wed Jan 25 16:50:13 MST 2023

First National Bank of Podunk

ATM #42 Gordon College

CARD 2 TRANS #2

WITHDRAWAL FROM: CHRG

AMOUNT: \$20.00

TOTAL BAL: \$479.50

AVAILABLE: \$479.50

123

456

789

0

ENTERCLEARCANCEL

Show Log

Operator Panel

OFF

Trying to withdraw 20\$ results in the withdrawal of 40\$

Trying to withdraw 40\$ results in the withdrawal of 60\$

Expected Outcome:




System should withdraw 200\$ and the total balance after the withdraw should be 399.50\$

[A1-6] [MFT] TC#29 Incorrect Transfer between accounts. Transfers less than the amount specified and the rest stays in the 'from' account.

Created: 25/Jan/23 Updated: 27/Jan/23 Resolved: 26/Jan/23

Status:	Done		
Project:	Assignment1		
Components:	None		
Affects versions:	v1.0		
Fix versions:	v1.1		

Type:	Bug	Priority:	Highest
Reporter:	Kolby Lalonde	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	MFT		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:  image-20230126-043108.png  image-20230126-043120.png  image-20230126-043434.png

Description

Function Being Tested: Transfer Funds between accounts.

Initial state of system: System is on and is displaying a request for the customer to type a dollar amount

Encounter Details & Actual Outcome:

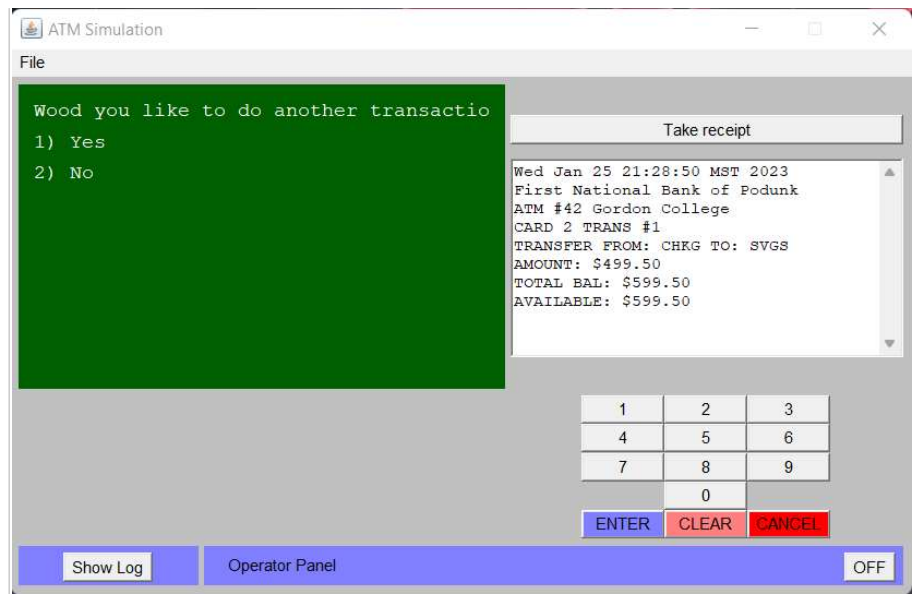
Selecting **Transfer** from Menu and Choosing to transfer funds from an **Savings Account** to **Checkings Account**.

Choosing to transfer **500\$** transfer **499.50\$**

Log

Message: TRANSFER CARD# 1 TRANS# 1 FROM 1 TO 0 \$499.50
Response: SUCCESS

Clear Log Hide Log



Whenever attempting a transfer, the request always transfers **.50\$** less from the requested amount.

The .50\$ which was not transfered stays on the **from** account, which is realized while inquiring the balance of the **from**(Savings account) account's balance.

Expected Outcome:

The system should transfer the requested 500\$ from the Savings Account to the Checkings Account, instead of transferring 499.50\$

Comments

Comment by Sadman Shahriar Snigdho [26/Jan/23]
This issue seems to be resolved with v1.1.

Generated at Fri Jan 27 21:18:09 UTC 2023 by Sadman Shahriar Snigdho using Jira 1001.0.0-SNAPSHOT#100214-sha1:c40e72a2441974aaf4a204cdeaf69cef25d44171.

[A1-7] [MFT] [TC#33] No option to enquire Savings Account for accounts where Savings Account exist.

Created:

25/Jan/23

Updated: 27/Jan/23

Resolved: 26/Jan/23

Status:	Done		
Project:	Assignment1		
Components:	None		
Affects versions:	v1.0		
Fix versions:	v1.1		

Type:	Bug	Priority:	High
Reporter:	Sadman Shahriar Snigdho	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments: image-20230125-221918.png image-20230125-222040.png image-20230125-222050.png

Description

Function Being Tested: Balance Inquiry.

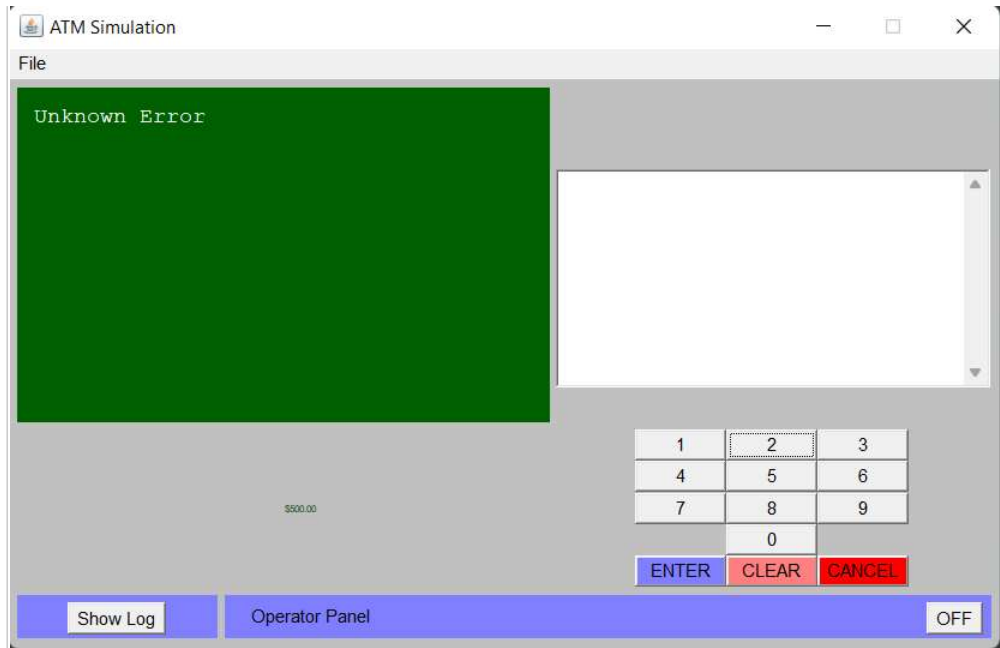
Initial state of system: On, Menu of transaction types is being displayed.

Encounter Details & Outcome:

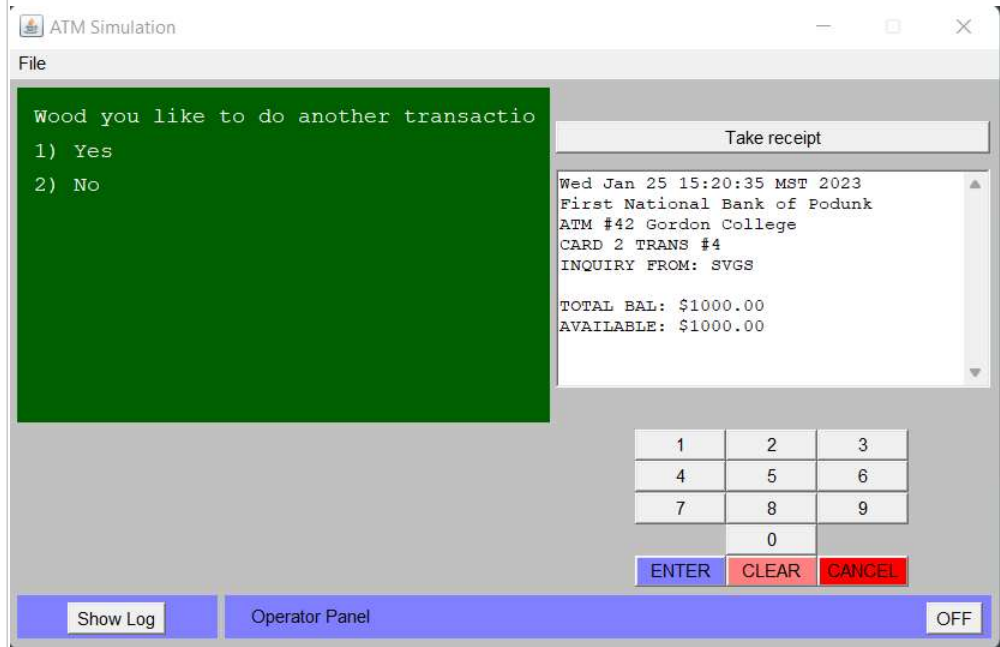
While logged in with an account where savings account should exist and choosing the option to **Inquire Balance**, there is no option to choose an option to inquire Savings account Balance.

However,

if Money Market option is chosen (which does not exist for the selected account), an **Unknown Error** is returned for a short while.



But the system proceeds to print out a receipt which shows the Balance of the Savings account.



Expected Outcome:

Options to only select accounts available to the user. In this case, Checking and Savings Account.

Comments

Comment by Sadman Shahriar Snigdho [25/Jan/23]
On a surface level, the bug simply looks like a UI bug where, in the Inquiry Balance screen it incorrectly shows the option to choose Money Market, instead of Savings out. On the other hand, there's an Unknowns error shown in the GUI which might point towards some other issue as well.
Comment by Sadman Shahriar Snigdho [26/Jan/23]
The bug was fixed with the release of v1.1.
Generated at Fri Jan 27 21:19:19 UTC 2023 by Sadman Shahriar Snigdho using Jira 1001.0.0-SNAPSHOT#100214-sha1:c40e72a2441974aaf4a204cdeaf69cef25d44171.