

[C4A-18] [Cannot Make Balance Inquiry for Money Market Account For Card 2](#)

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

Status:	Done
Project:	SENG 438 A1
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Aayush Dahal	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Java		

Description

Quick Description: Money Market is an available account for Card 2. However, you cannot make a balance inquiry on Card 2's Money Market account as you are met with an Invalid Account Type error message.

Function Being Tested: Balance Inquiry

Initial State of The System

- System is displaying account options to perform Balance Inquiry on.

Detailed Steps To Reproduce

- Turn on ATM and add 10, \$20 bills.
- Insert card 2, and enter 1234 as its pin.
- Press 4) `Balance Inquiry` to start the balance inquiry process.
- Press 2) `Money Market` to make a balance inquiry on the Money Market account of Card 2.

Expected Outcome

- Operation should be successfully carried out, and the total balance and available balance of the Money Market account of Card 2 should be printed on the receipt.

TOTAL BAL: \$5000.00

AVAILABLE: \$5000.00

Actual Outcome

- Operation is not carried out and we are met with an error message “Invalid Account Type”, although, Money Market is a valid account type for Card 2.
- Error Message:

Invalid account type

Wood you like to do another transaction?

- 1) Yes
- 2) No

Note: Wood is spelled wrong in the error message.

Comments

Comment by [Aayush Dahal](#) [27/Jan/23]

Fixed in 1.1

[C4A-17] P1 & MFT 26/27: Incorrect Menu of Account Types displayed on Transfer To/From Created: 27/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	None
Fix versions:	None

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

Description

Quick Description: When successfully logged in, the incorrect menu options of Checking, Savings, and Money Market is shown when transferring funds. Money Market option shouldn't be available for Card 1 & Savings option shouldn't be available for Card 2.

Function Being Tested: Transfer

Initial State Of The System

- Menu options of transaction types is being displayed.

Detailed Steps to Reproduce (with Card 1)

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- **MFT 26:** Press 3) `Transfer` and you will be presented with the options Checking, Savings, and **Money Market** to transfer the funds from.
- **MFT 27:** Press either 1) `Checking` 2) `Savings` or 3) `Money Market`, and now you will again be presented with the options Checking, Savings, and **Money Market** to transfer the funds to.
- Note: This issue exists with the options 1) `Withdrawal` and 2) `Deposit` as well.

Detailed Steps to Reproduce (with Card 2)

- Turn on ATM and add 10, \$20 bills.
- Insert card 2, and enter 1234 as its pin.
- **MFT 26:** Press 3) `Transfer` and you will be presented with the options `Checking`, `Savings`, and `Money Market` to transfer the funds from.
- **MFT 27:** Press either 1) `Checking` 2) `Savings` or 3) `Money Market`, and now you will again be presented with the options `Checking`, `Savings`, and `Money Market` to transfer the funds to.
- Note: This issue exists with the options 1) `Withdrawal` and 2) `Deposit` as well.

Expected Outcome

- **Card 1:** We should only be presented with the options of `Checking` and `Savings` since those are the available accounts of Card 1.
- **Card 2:** We should only be presented with the options of `Checking` and `Money Market` since those are the available accounts of Card 2.

Actual Outcome

- **Card 1:** We are presented with the options of `Checking`, `Savings`, and `Money Market`, although, `Money Market` is not an available account of Card 1.
- **Card 2:** We are presented with the options of `Checking`, `Savings`, and `Money Market`, although, `Savings` is not an available account of Card 2.

Defect still exists in version 1.1

[C4A-16] P1 & MFT 19: Incorrect Menu of Account Types displayed on Deposit

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

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Description

Quick Description: When successfully logged in, the incorrect menu options of Checking, Savings, and Money Market is shown when depositing. Money Market option shouldn't be available for Card 1 & Savings option shouldn't be available for Card 2.

Function Being Tested: Deposit

Initial State Of The System

- Menu options of transaction types is being displayed.

Detailed Steps to Reproduce (with Card 1)

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- Press 2) Deposit and you will be presented with the options Checking, Savings, and Money Market to deposit to.
 - Note: This issue exists with the options 1) Withdrawal and 3) Transfer as well.

Detailed Steps to Reproduce (with Card 2)

- Turn on ATM and add 10, \$20 bills.

- Insert card 2, and enter 1234 as its pin.
- Press 2) `Deposit` and you will be presented with the options `Checking`, `Savings`, and `Money Market` to withdraw from.
 - Note: This issue exists with the options 1) `Withdrawal` and 3) `Transfer` as well.

Expected Outcome

- **Card 1:** We should only be presented with the options of `Checking` and `Savings` since those are the available accounts of Card 1.
- **Card 2:** We should only be presented with the options of `Checking` and `Money Market` since those are the available accounts of Card 2.

Actual Outcome

- **Card 1:** We are presented with the options of `Checking`, `Savings`, and `Money Market`, although, `Money Market` is not an available account of Card 1.
- **Card 2:** We are presented with the options of `Checking`, `Savings`, and `Money Market`, although, `Savings` is not an available account of Card 2.

Defect still exists in version 1.1

[C4A-15] MFT 16: System Doesn't Verify Account Balance Is Sufficient Before Withdrawing Created: 27/Jan/23 Updated: 27/Jan/23 Resolved: 27/Jan/23

Status:	Done
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

Type:	Bug	Priority:	Medium
Reporter:	Aayush Dahal	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Java		

Description

Quick Description: The system carries out withdrawal (of \$20) when the user requests withdrawal of an amount greater than their account balance, i.e. if the account balance is \$100 and the user requests withdrawal of \$200, the system withdraws \$20.

Function Being Tested: Withdrawal

Initial State of The System

- System is requesting a withdrawal amount to withdraw from our Checking account which has a balance of \$100.

Detailed Steps to Reproduce:

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- Press 1) Withdrawal to start the withdrawal process
- Lets withdraw from Checking, so press 1) Checking
 - note: Checking account has \$100 balance
- Lets attempt to withdraw a greater amount of \$200, so press 5) \$200

Expected Outcome

- This withdrawal transaction should be blocked by the system, as the withdrawal amount of \$200 is greater than the account balance of \$100.
- An appropriate message should be displayed that offers the customer an option to do another transaction.

Actual Outcome

- The system carries on the withdrawal transaction and withdraws \$20 (not \$200).
 - \$20 is deducted from the Checking accounts.
 - Receipt is printed just like a normal transaction and logs are populated.
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[C4A-14] [MFT 40: Correct PIN on third try does not take user to the main menu](#) Created: 27/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Correct reentry of pin.PNG

Description

MFT:

Quick description: When a user enters the wrong pin the first two tries, and then the correct PIN on the third try, they are asked to enter their PIN again instead of being brought to the transaction menu,

Function being tested: Correct re-entry of PIN on the second try is accepted.

Initial state of the system: Request to re-enter PIN is being displayed.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 7 as the PIN number. This PIN number is incorrect, and you should now be prompted to re-enter your PIN number.
3. Enter 8 as the PIN number. This number is also incorrect, and you should now be prompted to re-enter your PIN number for the second time.
4. Enter 42, which is the correct PIN number for this card.

Expected Outcome:

- Upon successful re-entry of the PIN, the user should be brought to the menu where the various transaction types are displayed.

Actual Outcome:

- Upon successful re-entry of the PIN, the user is asked to enter their PIN number again even though they have just entered it.

Defect still exists in version 1.1

[C4A-13] [MFT 39: Correct PIN on second try does not take user to the main menu](#) Created: 27/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Correct reentry of pin.PNG

Description

MFT:

Quick description: When a user initially enters the wrong PIN, and then enters the correct PIN on their second try, they are asked to enter their PIN again rather than being brought to the menu of transaction types.

Function being tested: Correct re-entry of PIN is accepted.

Initial state of the system: Request to re-enter PIN is being displayed.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 7 as the PIN number. This PIN number is incorrect, and you should now be prompted to re-enter your PIN number.
3. Enter 42, which is the correct PIN number for this card.

Expected Outcome:

- Upon successful re-entry of the PIN, the user should be brought to the menu where the various transaction types are displayed.

Actual Outcome:

- Upon successful re-entry of the PIN, the user is asked to enter their PIN number again even though they have just entered it.

Defect still exists in version 1.1

[C4A-12] [MFT 34: Inquiry displays incorrect card number on receipt](#) Created:

27/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Legitimate Inquiry.PNG**Description****MFT:**

Quick description: When performing a balance inquiry on card 1, card 2 is what gets printed on the receipt.

Function being tested: System performs a legitimate inquiry transaction properly.

Initial state of the system: System is displaying menu of account types.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 4 on the keypad to select the "Balance Inquiry" option from the list of transaction types.
4. Press 1 on the keypad to select the Checking account from the list of accounts to inquire from.

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).
- The expected message to be printed on the receipt is as follows:

Thu Jan 26 18:36:55 MST 2023
First National Bank of Podunk
ATM #42 Gordon College
CARD 1 TRANS #1
INQUIRY FROM: CHKG

TOTAL BAL: \$100.00
AVAILABLE: \$100.00

Actual Outcome:

- The actual message that is printed on the receipt is as follows:

Thu Jan 26 18:36:55 MST 2023
First National Bank of Podunk
ATM #42 Gordon College
CARD 2 TRANS #1
INQUIRY FROM: CHKG

TOTAL BAL: \$100.00
AVAILABLE: \$100.00

- As shown, the card number is incorrectly labelled as card 2, since it is card 1 that is supposed to be making the transaction.

Defect still exists in version 1.1

[C4A-11] [MFT 33: Incorrect accounts displayed on inquiry screen](#) Created:

27/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Which account to inquire.PNG**Description****MFT:**

Quick description: After selecting “Balance Inquiry” on card 1, the Checking and Money Market accounts are visible when it should be the Checking and Savings accounts.

Function being tested: System asks customer to choose an account to inquire about.

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

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 4 on the keypad to select the “Balance Inquiry” option from the list of transaction types.

Expected Outcome:

- System displays a menu of account types.
- The expected accounts to be listed for card 1 are Checking and Savings.

Actual Outcome:

- The accounts that are displayed on the menu for card 1 are Checking and Money Market, when card 1 should not have access to the Money Market.

Defect still exists in version 1.1

[C4A-10] MFT 22: Account balance after depositing is incorrect Created:

27/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Legitimate Deposit.PNG**Description****MFT:**

Quick description: The account balance after making a deposit in an account is incorrect. Money appears to be subtracted rather than added.

Function being tested: System performs a legitimate deposit transaction properly.

Initial state of the system: System is requesting that customer insert an envelope.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 2 on the keypad to select the "Deposit" option from the list of transaction types.
4. Press 1 on the keypad to select the "Checking" option from the list of accounts to deposit to.
5. Enter a deposit amount of \$5.00
6. Press the button to insert the envelope into the machine.

Expected Outcome:

- 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).
- In this case, the account balance displayed on the printed receipt should read \$105.00.

Actual Outcome:

- The receipt printer shows an account balance of \$95.00. This implies that \$5 has been subtracted from the account when it was supposed to be added.

Defect still exists in version 1.1

[C4A-9] P1 & MTF 14: Incorrect Amount Withdrawn During Withdraw Operation Created: 26/Jan/23 Updated: 28/Jan/23 Resolved: 27/Jan/23

Status:	Done
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

Type:	Bug	Priority:	Medium
Reporter:	Aayush Dahal	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Java		

Description

Quick Description: When you withdraw an amount from an account (with sufficient funds & sufficient \$20 bills), it withdraws a higher amount than you specified.

Function Being Tested: Withdrawal

Initial State of The System

- System is asking user for the amount to withdraw.

Detailed Steps To Reproduce

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- Press 1) Withdrawal to start the withdrawal process.
- Lets withdraw from Checking, so press 1) Checking
- Lets withdraw \$20, so press 1) \$20

Expected Outcome

- The specified amount, \$20 should be withdrawn from the Checking account. \$20 should be deducted from the Checking balance.
- Receipt should have the correct withdrawal amount and incorrect updated balance.
- The receipt should say:

WITHDRAWAL FROM: CHKG
AMOUNT: \$20.00
TOTAL BAL: \$80.00
AVAILABLE: \$80.00

- The Checking account balance prior to the withdrawal of \$20 was \$100. Upon withdrawal of \$20, the `AMOUNT` should be \$20 and the `TOTAL BAL` should be \$80.
- A successful \$20 withdrawal should be recorded in the logs with a message that requests \$20 from the bank.

Actual Outcome

- The specified amount, \$20, is not withdrawn, however, a larger amount of \$40 is withdrawn from the Checking account. \$40 is deducted from the Checking balance.
- Receipt has incorrect withdrawal amount and incorrect updated balance.
- The receipt wrongly says:

WITHDRAWAL FROM: CHKG
AMOUNT: \$40.00
TOTAL BAL: \$60.00
AVAILABLE: \$60.00

- A successful \$40 withdrawal is recorded in the logs with a message that requests \$40 from the bank.

Comments

Comment by [Aayush Dahal](#) [27/Jan/23]

Fixed in 1.1

[C4A-8] P1 & MFT 29: Transfer Feature is Transferring To & From Wrong Accounts Created: 26/Jan/23 Updated: 28/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Description

Quick Description: When you attempt to transfer funds from one account to another (with sufficient funds & sufficient \$20 bills), it switches things up and transfers funds from the “to” account to the “from” account. So if you specify to transfer funds from Checking to Savings, it will inverse the operation and transfer from Savings to Checking.

Function Being Tested: Transfer

Initial State Of The System

- System is asking user for the account to transfer funds from.

Detailed Steps to Reproduce

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- Press 3) `Transfer` to start the transfer funds process.
- Lets transfer from Checking, so press 1) `Checking`
- Lets transfer to Savings, so press 2) `Savings`
- Lets transfer \$5, so type \$5 and press enter.

Expected Outcome

- The specified funds should be transferred from the Checking account to the Savings account as specified.
- The logs should say TRANSFER FROM: CHKG TO: SVGS

Actual Outcome

- The operation order is switched up by the system, and the funds(funds are incorrect too, see [C4A-7](#)) are transferred from the Savings account to the Checking account.
- The logs say TRANSFER FROM: SVGS TO: CHKG

Defect still exists in version 1.1

Comments

Comment by [Aayush Dahal](#) [27/Jan/23]

Not fixed in 1.1

[C4A-7] P1 & MFT 29: Transfer Feature Is Not Transferring Specified Amounts Created: 26/Jan/23 Updated: 28/Jan/23 Resolved: 27/Jan/23

Status:	Done
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

Type:	Bug	Priority:	Medium
Reporter:	Aayush Dahal	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Java		

Description

Quick Description: When you attempt to transfer funds from one account to another (with sufficient funds & sufficient \$20 bills), an amount other than the specified amount is transferred.

Function Being Tested: Transfer

Initial State Of The System

- System is asking user for the amount to transfer.

Detailed Steps to Reproduce

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- Press 3) `Transfer` to start the transfer funds process.
- Lets transfer from Checking, so press 1) `Checking`
- Lets transfer to Savings, so press 2) `Savings`
- Lets transfer \$5, so type \$5 and press enter.

Expected Outcome

- The total of the specified \$5 should be transferred, thus, the amount transferred in the logs should say \$5.

Actual Outcome

- The total of \$5 is not transferred, but rather a lower & incorrect amount of \$4.50 is transferred. The transferred amount in the logs say \$4.50.
-

[C4A-6] P1 & MFT 12: Incorrect Menu of Account Types displayed on Withdrawal Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

Type:	Bug	Priority:	Medium
Reporter:	Aayush Dahal	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Java		

Description

Quick Description: When successfully logged in, the incorrect menu options of Checking, Savings, and Money Market is shown when withdrawing. Money Market option shouldn't be available for Card 1 & Savings option shouldn't be available for Card 2.

Function Being Tested: Withdrawal

Initial State Of The System

- Menu options of transaction types is being displayed.

Detailed Steps to Reproduce (with Card 1)

- Turn on ATM and add 10, \$20 bills.
- Insert card 1, and enter 42 as its pin.
- Press 1) **Withdrawal** and you will be presented with the options Checking, Savings, and **Money Market** to withdraw from.
 - Note: This issue exists with the options 2) **Deposit** and 3) **Transfer** as well.

Detailed Steps to Reproduce (with Card 2)

- Turn on ATM and add 10, \$20 bills.

- Insert card 2, and enter 1234 as its pin.
- Press 1) `Withdrawal` and you will be presented with the options `Checking`, `Savings`, and `Money Market` to withdraw from.
 - Note: This issue exists with the options 2) `Deposit` and 3) `Transfer` as well.

Expected Outcome

- **Card 1:** We should only be presented with the options of `Checking` and `Savings` since those are the available accounts of Card 1.
- **Card 2:** We should only be presented with the options of `Checking` and `Money Market` since those are the available accounts of Card 2.

Actual Outcome


- **Card 1:** We are presented with the options of `Checking`, `Savings`, and `Money Market`, although, `Money Market` is not an available account of Card 1.
- **Card 2:** We are presented with the options of `Checking`, `Savings`, and `Money Market`, although, `Savings` is not an available account of Card 2.

Defect still exists in version 1.1

[C4A-5] [Choosing an invalid account to inquire from](#) Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Invalid account to inquire from.PNG

Description

Quick description: Choosing an invalid account to inquire from results in \$20 being dispensed every time an invalid number is pressed.

Function being tested: Selecting an invalid account to inquire from.

Initial state of the system: System is displaying menu of account types.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 4 on the keypad to select the “Balance Inquiry” option from the list of transaction types.
4. Use the keypad to enter a number which is not on the list of accounts to inquire from, for example 3, 5 or 0.

Expected Outcome:

- It is expected that nothing should happen, or the user should receive an error message explaining that the number they entered is invalid, prompting them to try again.

Actual Outcome:

- Every time an invalid number is pressed on the keypad, a \$20 is dispensed from the machine. This results in the user being able to dispense as many \$20 bills as they desire.

Defect still exists in version 1.1

[C4A-4] [Choosing an invalid account to transfer from](#) Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Invalid account to transfer from.PNG

Description

Quick description: Choosing an invalid account to transfer from results in \$20 being dispensed every time an invalid number is pressed.

Function being tested: Selecting an invalid account to transfer from.

Initial state of the system: Menu of account types to transfer from is being displayed.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 3 on the keypad to select the “Transfer” option from the list of transaction types.
4. Use the keypad to enter a number which is not on the list of accounts to transfer from, for example 4, 5 or 0.

Expected Outcome:

- It is expected that nothing should happen, or the user should receive an error message explaining that the number they entered is invalid, prompting them to try again.

Actual Outcome:

- Every time an invalid number is pressed on the keypad, a \$20 is dispensed from the machine. This results in the user being able to dispense as many \$20 bills as they desire.

Defect still exists in version 1.1

[C4A-3] Choosing an invalid deposit option Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Invalid deposit option.PNG

Description

Quick description: Choosing an invalid deposit option results in \$20 being dispensed every time an invalid number is pressed.

Function being tested: Selecting an invalid deposit option.

Initial state of the system: System is displaying menu of account types.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 2 on the keypad to select the “Deposit” option from the list of transaction types.
4. Use the keypad to enter a number which is not on the list of accounts to deposit to, for example 4, 5 or 0.

Expected Outcome:

- It is expected that nothing should happen, or the user should receive an error message explaining that the number they entered is invalid, prompting them to try again.

Actual Outcome:

- Every time an invalid number is pressed on the keypad, a \$20 is dispensed from the machine. This results in the user being able to dispense as many \$20 bills as they desire.

Defect still exists in version 1.1

[C4A-2] [Choosing an invalid withdrawal option](#) Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Invalid withdrawal option.PNG

Description

Quick description: Choosing an invalid withdrawal option results in \$20 being dispensed every time an invalid number is pressed.

Function being tested: Selecting an invalid withdrawal option.

Initial state of the system: System is displaying menu of account types.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Press 1 on the keypad to select the “Withdraw” option from the list of transaction types.
4. Use the keypad to enter a number which is not on the list of accounts to withdraw from, for example 4, 5 or 0.

Expected Outcome:

- It is expected that nothing should happen, or the user should receive an error message explaining that the number they entered is invalid, prompting them to try again.

Actual Outcome:

- Every time an invalid number is pressed on the keypad, a \$20 is dispensed from the machine. This results in the user being able to dispense as many \$20 bills as they desire.

Defect still exists in version 1.1

[C4A-1] [Choosing an invalid transation type](#) Created: 26/Jan/23 Updated: 27/Jan/23

Status:	In Progress
Project:	SENG 438 A1
Components:	None
Affects versions:	ATM System v1.0
Fix versions:	ATM System v1.1

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

Attachments:  Invalid_transation_type.PNG

Description

Quick description: Choosing an invalid transaction type results in \$20 being dispensed every time an invalid number is pressed.

Function being tested: Selecting an invalid transaction type.

Initial state of the system: System is displaying the menu of transaction types.

Detailed Steps to reproduce:

1. Turn the ATM on, and add 10 \$20 bills.
2. Insert card, with 1 as the card number and 42 as the PIN number.
3. Use the keypad to enter a number which is not on the list of available transaction types, for example 5, 8 or 0.

Expected Outcome:

- It is expected that nothing should happen, or the user should receive an error message explaining that the number they entered is invalid, prompting them to try again.

Actual Outcome:

- Every time an invalid number is pressed on the keypad, a \$20 is dispensed from the machine. This results in the user being able to dispense as many \$20 bills as they desire.

Defect still exists in version 1.1

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