

Defect Report manually created off of Azure DevOps Bug Report

1.0 - "Check Account Balance" in Money Market throws "Unknown Error"

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Balance Inquiry", then "Money Market".

Expected Result: Print account balance to receipt/log.

Actual Result: \$500 is ejected, without changing account balance. Balance printed to receipt, unchanged from initial \$1000 value.

Fixed in version 1.1.

1.0 - Withdrawing from Checking Returns Unexpected Amount

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Withdrawal", then "Checking".
5. Select "\$20".

Expected Result: \$20 is withdrawn to the user.

Actual Result: \$40 is withdrawn to the user.

Fixed in version 1.1.

1.1 - Depositing to Savings Deposits Incorrect Amount

Defect Still Exists in Version 1.1

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Deposit", then "Savings".
5. Deposit \$100, then click "Click to insert envelope" button.

Expected Result: Account credited with \$100.

Actual Result:

Version 1.0 Account credited with \$90.

Version 1.1 Account credited with \$99.90.

1.0 - Transferring from Savings To Checking Has Unexpected Behavior

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Transfer", then "Savings".
5. Select transfer to "Checking", and enter "\$100".

Expected Result: \$100 is removed from Savings Account, and \$100 is added to Checking Account.

Actual Result: \$99.50 is removed from Savings Account, and \$99.50 is added to Checking Account, and receipt shows that the transfer was from Checking to Savings.

Fixed in version 1.1.

1.1 - PIN Must be Entered Twice After Initially Incorrect Input

Defect Still Exists in Version 1.1

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number.
4. Provide an invalid PIN number, (ex. 9999).
5. Enter valid PIN.

Expected Result: PIN is accepted and user is logged in.

Actual Result: Program does not recognize PIN, works as expected after PIN is entered again.

MFT 1.0 - (Test 14): Withdraw From Checking Returns Unexpected Amount

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Withdrawal", then "Checking".
5. Select "\$40".

Expected Result: System dispenses \$40; System prints a correct receipt showing amount and correct updated balance; System records transaction correctly in the log (showing both message to the bank and approval back).

Actual Result: System dispenses \$60.

MFT 1.1 - (Test 11): PIN Must Be Entered Twice After Invalid PIN

Defect Still Exists in Version 1.1

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number.
4. Provide an invalid PIN number, (ex. 9999).
5. Enter valid PIN.

Expected Result: The Invalid PIN exception is performed

Actual Result: The Invalid PIN exception is performed, however PIN must be entered twice to login after this exception.

MFT 1.1 (Test 22) | System Outputs Incorrect Receipt Info After Deposit

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Deposit" and "Checking"
5. Enter \$200
6. Insert envelope

Expected Output: 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)

Actual Output: System accepts the envelope and prints a receipt, however, the receipt displays an incorrect card and incorrect amount. The updated balance is correct according to the incorrect amount. Log displays correct amounts.

MFT 1.0 (Test 29) | Testing transfer between accounts

Steps to Reproduce:

1. Turn on the ATM
2. Follow general setup for the system
3. Insert the card and provide a valid card number + PIN
4. Select "Transfer", select "Checking" to transfer to, select "Savings" to transfer from
5. Enter legitimate dollar amount, select "Enter"

Expected Output: System performs a legitimate transfer transaction properly.

System Output: System incorrectly transfers from the account expecting to receive a payment into the account expecting to be sending the payment.

MFT 1.0 (Test 34) | Receipt is Incorrect During Account Inquiry

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number + PIN.
4. Select "Inquire" and "Checking"

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

Actual Output: Receipt states incorrect card, but balance is correct.

MFT 1.1 (Test 37) | ATM Does Not Accept Correct PIN Re-Entry

Steps to Reproduce:

1. Turn on the ATM.
2. Follow general setup for the system.
3. Insert the card, and provide a valid card number
4. Provide an invalid PIN
5. Re-enter correct PIN

Expected Output: Original transaction completes successfully

Actual Output: System asks for PIN again.

1.0 - ATM Withdraws Incorrect Amount

Fixed in Version 1.1

Steps to reproduce:

1. Turn on ATM
2. Follow general setup
3. Input card 1 and corresponding pin (Henceforth known as Card 1 setup)
4. Select Withdrawal
5. Withdraw \$20

Expected Outcome: Correct amount of cash is withdrawn, and account balance is updated.

Actual Outcome: ATM withdraws twice the expected amount. Account balance is correct with actual withdrawn value.

1.0 - ATM Deposits Half of Expected Value

Steps to reproduce:

1. Turn on ATM
2. Follow general setup
3. Input card 1 and corresponding pin (Henceforth known as Card 1 setup)
4. Select Deposit
5. Deposit \$20

Expected Result: \$20 deposited into card 1 balance

Actual Result 1.0: \$10 deposited into card 2 balance.

Actual Result 1.1: \$19.90 deposited into card 3 balance

1.1 Inquiry Into Money Market Account Results in 'Unknown Error'

Steps to reproduce:

1. Turn on ATM
2. Follow general setup
3. Input card 2 and corresponding pin
4. Select Inquire
5. Select Money Market

Expected Result: ATM displays \$5000 in account with correct card receipt.

Actual Result: ATM displays correct value of money in Money Mart, but card is wrong on receipt.