

**[SA1-13] MFT: Session Error - When a wrong pin is entered twice, and a right pin is entered afterwards, it will require you to re-enter the pin even though it was correct initially after the first two incorrect attempts.** Created: 22/Jan/23 Updated: 26/Jan/23

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a> , <a href="#">ATM System - Lab 1 Version 1.1</a>
<b>Fix versions:</b>	None

<b>Type:</b>	Bug	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Evan Wong</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		

### Description

Function being tested:

- The function being tested is the Invalid PIN (Personal Identification Number) Extension

Initial State of the System:

- The initial state of the system was on, and was servicing a customer, and was on the invalid PIN number screen.

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a valid amount of \$20 bills
3. Click to insert card
4. Enter in a valid card number, either 1 or 2.
5. Enter any incorrect PIN
6. Enter any incorrect PIN again
7. Enter the correct PIN

Expected Outcome:

- The system should let the customer in after the correct PIN was inputting into the machine.

Actual Outcome:

- The system asks for the customers PIN number again even though they have already entered in the correct PIN associated with their account.

**[SA1-12] MFT: Transaction - Overloaded card PIN freezes program** Created:

22/Jan/23 Updated: 22/Jan/23

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a> , <a href="#">ATM System - Lab 1 Version 1.1</a>
<b>Fix versions:</b>	None

<b>Type:</b>	Bug	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Johnny Yuen</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		

**Description**

Function being tested:

- Transaction

Initial State of the System:

- System is on, in use and displaying the enter PIN

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter 15 for number of \$20 bills
3. Click insert card button
4. Enter "1" for card number
5. Enter "4444444444" for PIN number

Expected Outcome:

- The system should display invalid PIN

Actual Outcome:

- The system freezes

Repeated in use case 11, not fixed in version 1.1.

**[SA1-11] Session Error - Pressing a number which isn't indicated by the ATM machine screen will dispense \$20.00 bills out of the machine.** Created: 22/Jan/23 Updated:

22/Jan/23

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a> , <a href="#">ATM System - Lab 1 Version 1.1</a>
<b>Fix versions:</b>	None

<b>Type:</b>	Bug	<b>Priority:</b>	Highest
<b>Reporter:</b>	<a href="#">Tony T</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	ATM System - Lab 1 Version 1.0		

### Description

Function being tested:

- Whole system

Initial State of the System:

- System is on, idle or in service from a customer, on any screen which requires a number input which doesn't use all 10 numbers.

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a screen which asks for a number input, such as choosing a transaction type, withdrawal, deposit or transfer.
3. Press any number which is not an option from the ATM machine screen
4. The machine will dispense a \$20.00 bill(s).

Expected Outcome:

- Nothing should happen, as those numbers are not options.

Actual Outcome:

- The system dispenses a \$20.00 bill(s).

**[SA1-10] Withdrawal Error - Attempting to withdraw non-existent account money dispenses the incorrect amount of cash** Created: 22/Jan/23 Updated: 22/Jan/23 Resolved: 22/Jan/23

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a>
<b>Fix versions:</b>	<a href="#">ATM System - Lab 1 Version 1.1</a>

<b>Type:</b>	Bug	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Johnny Yuen</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Done	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		

#### Description

Function being tested:

- Withdrawal

Initial State of the System:

- System is on, in use and displaying the available withdrawal amounts

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter 15 for number of \$20 bills
3. Click insert card button
4. Enter "1" for card number
5. Enter "42" for PIN number
6. Choose '1' to perform a withdrawal transaction
7. Choose '1' to withdraw from "Checking" account
8. Choose '5' to withdraw \$200

Expected Outcome:

- The system should not dispense any cash

Actual Outcome:

- The system dispenses \$20 of cash
- The system receipt shows \$20 withdrawn

Repeated in use case 16.



**[SA1-9] Transfer Error - Transferring money between accounts transfers the incorrect amount** Created: 22/Jan/23 Updated: 22/Jan/23 Resolved: 22/Jan/23

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a>
<b>Fix versions:</b>	<a href="#">ATM System - Lab 1 Version 1.1</a>

<b>Type:</b>	Bug	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Evan Wong</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Done	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		

### Description

Function being tested:

- Transfer

Initial State of the System:

- System is requesting for the amount of money to transfer

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a valid amount of \$20 bills
3. Click insert card button
4. Enter "1" for card number
5. Enter "42" for PIN number
6. Choose '3' to select a Transfer transaction
7. Choose '1' to transfer from "Checking" account
8. Choose '2' to transfer to "Savings" account
9. Input a valid amount of money to transfer

Expected Outcome:

- The system should transfer the input amount from “Checking” account to “Savings” account
- The system should print a receipt showing the transfer amount and should update the balance of the “Savings” account to the correct amount

Actual Outcome:

- The system transfers \$0.50 less than the input amount from “Checking” account to “Savings” account
- The system receipt shows \$0.50 less than the input amount and updates the balance of the “Savings” account

Repeated in use case 29

**[SA1-8] [Typo - Incorrect spelling on additional transactions](#)** Created: 22/Jan/23 Updated: 22/Jan/23 Resolved: 22/Jan/23

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a>
<b>Fix versions:</b>	<a href="#">ATM System - Lab 1 Version 1.1</a>

<b>Type:</b>	Bug	<b>Priority:</b>	Lowest
<b>Reporter:</b>	<a href="#">Johnny Yuen</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Done	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	ATM System - Lab 1 Version 1.0		

### Description

Function being tested:

- Balance Inquiry Initial

State of the System:

- System is on, being used by customer and inquiring balance from “Checking” account

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a valid amount (5) of \$20 bills
3. Click insert card button
4. Enter “1” for card number
5. Enter “42” for PIN number
6. Choose '4' to perform a balance inquiry transaction
7. Choose '1' to inquire from “Checking” account

Expected Outcome:

- The system should display “Would you like to do another transaction?”

Actual Outcome:

- The system displays “Wood you like to do another transaction?”

Repeated in use case 17 and 18.

**[SA1-7] Deposit Error - System does not deposit the correct amount of cash into the selected account** Created: 22/Jan/23 Updated: 26/Jan/23

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a> , <a href="#">ATM System - Lab 1 Version 1.1</a>
<b>Fix versions:</b>	None

<b>Type:</b>	Bug	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Evan Wong</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	Version: <ul style="list-style-type: none"><li>ATM System - Lab 1 Version 1.0</li></ul>		

### Description

Function being tested:

- Deposit

Initial State of the System:

- System is requesting the customer to insert an envelope

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a valid amount of \$20 bills
3. Click insert card button
4. Enter "1" for card number
5. Enter "42" for PIN number
6. Choose '2' to perform a deposit transaction
7. Choose '1' to deposit to "Checking" account

8. Enter a valid amount

Expected Outcome:

- The system should add the input amount into the specific account
- The system should print a receipt showing the correct amount deposited and updating the balance to the correct amount

Actual Outcome:

- The system does not add the correct amount
- The system receipt displays the correct amount deposited but adds \$10 less to the balance

Repeated in use case 22

**[SA1-6] Balance Inquiry Error - "Unknown error" when checking balance** Created: 22/Jan/23 Updated: 22/Jan/23

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a> , <a href="#">ATM System - Lab 1 Version 1.1</a>
<b>Fix versions:</b>	None

<b>Type:</b>	Bug	<b>Priority:</b>	Highest
<b>Reporter:</b>	<a href="#">Johnny Yuen</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	ATM System - Lab 1 Version 1.0		

### Description

Function being tested:

- Balance Inquiry

Initial State of the System:

- System is on, being used by customer and inquiring balance from “Money Market” account

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a valid amount (5) of \$20 bills
3. Click insert card button
4. Enter “1” for card number
5. Enter “42” for PIN number
6. Choose '4' to perform a balance inquiry transaction
7. Choose '2' to inquire from “Money Market” account

Expected Outcome:

- The system should display the “Savings” account from card 1 and not “Money Market”
- The system should display the amount of money in the “Savings” account

Actual Outcome:

- The system displays “Unknown error”
- The system ejects \$500 cash



**[SA1-5] Withdrawal Error - Attempting to withdraw non-existent system money dispenses the incorrect amount of cash** Created: 22/Jan/23 Updated: 22/Jan/23 Resolved: 22/Jan/23

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a>
<b>Fix versions:</b>	<a href="#">ATM System - Lab 1 Version 1.1</a>

<b>Type:</b>	Bug	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Johnny Yuen</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Done	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	ATM System - Lab 1 Version 1.0		

### Description

Function being tested:

- Withdrawal

Initial State of the System:

- System is displaying the available withdrawal amounts

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter 1 for number of \$20 bills
3. Click insert card button
4. Enter "2" for card number
5. Enter "1234" for PIN number
6. Choose '1' to perform a withdrawal transaction
7. Choose '1' to withdraw from "Checking" account
8. Choose '5' to withdraw \$200

Expected Outcome:

- The system should not dispense any cash

Actual Outcome:

- The system dispenses \$20 of cash
- The system receipt shows \$20 withdrawn

Repeated in use case 15.

**[SA1-4] Session Error - When a wrong pin is entered, and a right pin is entered afterwards, it will require you to re-enter the pin even though it was correct initially after the first incorrect attempt.** Created: 22/Jan/23 Updated: 22/Jan/23

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a> , <a href="#">ATM System - Lab 1 Version 1.1</a>
<b>Fix versions:</b>	None

<b>Type:</b>	Bug	<b>Priority:</b>	Low
<b>Reporter:</b>	<a href="#">Tony T</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	ATM System - Lab 1 Version 1.0		

### Description

Function being tested:

- The function being tested is the PIN (Personal Identification Number) entry after valid card number was entered

Initial State of the System:

- The initial state of the system was on, and was servicing a customer, and was on the invalid PIN number screen.

Steps to Reproduce the bug:

1. Turn the ATM on
2. Enter a valid amount of \$20 bills
3. Click to insert card
4. Enter in a valid card number, either 1 or 2.
5. Enter any incorrect PIN
6. Enter the correct PIN

Expected Outcome:

- The system should let the customer in after the correct PIN was inputting into the machine.

Actual Outcome:

- The system asks for the customers PIN number again even though they have already entered in the correct PIN associated with their account.

This bug was found using both testing methods (Use Case 37)

**[SA1-3] [Withdrawal Error - Attempting to withdrawal money dispenses the incorrect amount of cash](#)** Created: 22/Jan/23 Updated: 22/Jan/23 Resolved: 22/Jan/23

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a>
<b>Fix versions:</b>	<a href="#">ATM System - Lab 1 Version 1.1</a>

<b>Type:</b>	Bug	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Evan Wong</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Done	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	Version: <ul style="list-style-type: none"><li>ATM System - Lab 1 Version 1.0</li></ul>		

### Description

Function being tested:

- Withdrawal

Initial State of the System:

- System is displaying the available withdrawal amounts

Steps to Reproduce the bug:

- Turn the ATM on
- Enter a valid amount of \$20 bills
- Click insert card button
- Enter "1" for card number
- Enter "42" for PIN number
- Choose '1' to perform a withdrawal transaction
- Choose '1' to withdraw from "Checking" account

8. Choose '1' to withdraw \$20

Expected Outcome:

- The system should dispense \$20
- The system should print a receipt showing \$20 withdrawn and updating the balance to the correct amount

Actual Outcome:

- The system dispenses \$40 of cash
- The system receipt shows \$40 withdrawn

Repeated during use case 14.

**[SA1-2] System Error - System does not display an error screen for an invalid card number "3"** Created: 22/Jan/23 Updated: 22/Jan/23 Resolved: 22/Jan/23

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">SENG438 Assignment 1</a>
<b>Components:</b>	None
<b>Affects versions:</b>	<a href="#">ATM System - Lab 1 Version 1.0</a>
<b>Fix versions:</b>	<a href="#">ATM System - Lab 1 Version 1.1</a>

<b>Type:</b>	Bug	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Evan Wong</a>	<b>Assignee:</b>	Unassigned
<b>Resolution:</b>	Done	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original estimate:</b>	Not Specified		
<b>Environment:</b>	Version: <ul style="list-style-type: none"><li>ATM System - Lab 1 Version 1.0</li></ul>		

### Description

Function being tested:

- System

Initial State of the System:

- System is on and not servicing a customer

Steps to Reproduce the bug:

- Turn the ATM on
- Enter a valid amount of \$20 bills
- Click to insert card
- Enter "3"
- Enter any PIN

Expected Outcome:

- The system should eject the card, display an error message and be ready to start a new session.

Actual Outcome:

- The system does not eject the card or display an error message and freezes.



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