

Use Case: Login to account

Author: hornick

Date:10/3/2014

User Story Description

As a Customer, I would like to login to my account so that I can perform a transaction.

Identification of Actor(s)

Customer (primary) – User of ATM

Pre-conditions

ATM in idle state, waiting for a Customer, with Welcome Screen displayed. Welcome Screen contains instructions that tell a prospective Customer to begin using the System by swiping their card.

Scenarios

Basic/Normal Flow

Customer	System (ATM)	Bank Server
1. Swipes bank card in card reader.		
	2. Acquires information contained on Customer's bank card. Displays screen that instructs Customer to enter 4-digit PIN.	
3. Enters 4-digit PIN.		
	4. Authenticates PIN against information acquired from Customer's bank card. .	
		5. Notifies ATM that Customer Information and PIN authenticate OK.
	6. Displays screen presenting available choices for transactions.	

Alternate Flow 1: Card unreadable

This case describes the situation where the Customer's card is unreadable, whether corrupt/damaged, or simply an unrecognized card (not a bank card).

Customer	System (ATM)	
1a. Swipes bank card in card reader.		
	2a. Cannot read card. Displays screen that indicates card read failed and that Customer should try again or contact the bank that issued the card. After 5s, displays Welcome Screen.	

Alternate Flow 2: Invalid PIN entered

This case describes the situation where the Customer enters an incorrect PIN that doesn't match the information read from the bank card by the System.

Customer	System (ATM)	
1b. Swipes bank card in card reader.		
	2b. Acquires information contained on Customer's bank card. Displays screen that instructs Customer to enter 4-digit PIN.	
3b. Enters 4-digit PIN.		
	4b. Authenticates PIN against information acquired from Customer's bank card.	
		5b. Cannot authenticate Customer with entered PIN. Returns error notification to ATM . On 3 rd bad PIN entry, notifies ATM that customer's account has been locked.
	6b. Displays screen that indicates a bad PIN and that Customer should try swiping card again. On 3 rd failure, displays screen that tells customer to contact the bank that issued the card.	

Alternate Flow 3: No PIN entered

This case describes the situation where the Customer swipes the card but never enters the PIN.

Customer	System (ATM)	
1c. Swipes bank card in card reader.		

	2c. Acquires information contained on Customer's bank card. Displays screen that instructs Customer to enter 4-digit PIN.	
3c. Does not enter PIN within 15s		
	4c. Displays screen indicating no PIN was entered. After 5s, displays Welcome Screen.	

Post-conditions / Acceptance Criteria

On successful authentication, ATM displays screen indicating the available transactions the Customer can select.

Additional Requirements

The ATM has a built-in timeout mechanism that takes action whenever no interaction has been detected. See XXX for more details on this requirement.