Use Case Title	Identify Customer		
Version	0.3	**Date**	Aug. 25, 2004
Package	Transactions		
Summary	Before performing a transaction, the ATM needs to know if this customer is allowed to use this card.		
Primary Actor	Customer		
Secondary Actors	Bank System		
Inherits			
Includes			
Extension Points			
Business Rules	Customers are given only 3 attempts to enter a valid PIN.		
Pre-condition(s)			

Typical Sequence of Events

Actor Stimulus	System Response
1. Customer inserts their card.	2. The ATM reads the card data and prompts for a PIN.
3. Customer enters their PIN.	4. The ATM sends the card number and PIN to the Bank to confirm customer identity.
5. The Bank System confirms that the card number and PIN is a valid match.	6. The ATM requests the customer to select a transaction.

Post-condition(s)	The customer's PIN has been matched to this card. The ATM has been informed of the customer's accounts.

Priority	Highest
Outstanding Issues	
Author	Richard Thomas

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Alternative Sequences of Events

Alternative 1: Invalid Card at step 1

Actor Stimulus	System Response
1. Customer inserts their card.	2.1 The ATM cannot read or interpret the card data, 2.2 it displays the invalid card error message and 2.3 ejects the card

Alternative 2: Expired Card at step 1

Actor Stimulus	System Response
1. Customer inserts their card.	2.1 The ATM reads the card data and determines that its expiry date is before the current date. 2.2 It displays the expired card error message and 2.3 ejects the card.

Alternative 3: Cancelled Card at step 1

Actor Stimulus	System Response
…	

Alternative 4: Invalid PIN at step 3

Actor Stimulus	System Response
3. Customer enters an invalid PIN.	4. The ATM sends the card number and PIN to the Bank to confirm customer identity.
5. The Bank System reports that the card number and PIN do not match.	6.1 The ATM displays the invalid PIN error message and 6.2 prompts the customer to re-enter their PIN. 6.3 The ATM keeps track of how many attempts the customer makes to enter the correct PIN.

Alternative 5: Too Many Invalid PIN Attempts at step 3

Actor Stimulus	System Response
…	

Alternative 6: Communication Failure at step 5

Actor Stimulus	System Response
…	