

Use Case Name: Validate PIN

Iteration: Filled.

Summary: The customer inserts his/her teller card and enters the PIN code.

Basic Course of Events:

1. The customer inserts the card in the ATM.
2. The ATM reads the card.
3. The ATM asks the customer for the PIN.
4. The ATM validates the PIN for the card.

Alternative Paths: In step 2, if the card cannot be read, the card is returned to the customer and the ATM is ready to accept another card.

Exception Paths: In step 4, if the PIN is incorrect, the ATM will ask the customer again. The customer will get three (3) attempts after which the ATM will provide an error message and return the card.

Extension Points: None

Trigger: The customer wants to withdraw money.

Assumptions: The customer has opened an account and received an ATM card.

Precondition: The teller card central repository is available for card validation.

Postcondition: The card has been accepted for further transactions and the customer can proceed.

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Use Case Name: Withdraw Cash

Iteration: Filled.

Summary: The customer requests cash and the ATM dispenses the cash.

Basic Course of Events:

1. Completion of use case Validate PIN
2. The ATM asks the customer for the account from which to withdraw the cash.
3. The customer enters the account. Choices are savings or checking.
4. The ATM asks the customer for the amount.
5. The customer enters the amount.
6. The ATM asks the customer to confirm the account
7. The customer confirms the account
8. If there are sufficient funds, the cash is dispensed and the amount is withdrawn from the account.
9. Complete use case Complete Transaction.

Alternative Paths: In steps 3, 5, and 7, the customer can cancel the transaction and go directly to step 9. If the customer does not confirm the account in step 7, proceed directly to step 9.

Exception Paths: None.

Extension Points: None.

Trigger: The customer has completed use case Validate PIN.

Assumptions: None.

Precondition: The Validate PIN use case completed successfully.

Postcondition: The cash is dispatched and the amount has been withdrawn from the selected account.

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Date: January 15, 2001