

ATM SYSTEm Lab tEST

Lab Test



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**Q#1:** **Explain about relationships in the above use case?**

**Answer:**

1. **Relationship In The Use Case:**

Include:

Use case session includes**:** Transaction

* Withdrawal
* Deposit
* Transfer
* Inquiry
* **<<Include>>:**

Session is started when a customer inserts an ATM card into the card reader slot of the machine. The ATM pulls the card into the machine and reads it. The customer is asked to enter his/her PIN, and is then allowed to perform one or more transactions. Here Comes the Include relationship of transaction with the session.

**<<Extend>>:**

If the bank reports that the customer’s PIN is invalid, The invalid PIN extension will be performed and then an attempt will be made to continue the transaction. If the customer card is retained due to many invalid PINs, The transaction will be aborted

**Q#2:**  **Does this use case model require any modifications?**

This Use Case Model Does not require any Modification.

**Q#3: c) Write descriptive use case for withdrawal use case**?

**B) Descriptive Use Cases**: ATM System

**Actors**: Customer

**Goal:** To provide User the facility of transaction that he/she can withdraw money from account.

**Precondition**: Operator Turns the Operator switch to the on position to use the ATM Machine

**Trigger**: Customer enter ATM Card, withdraw some Amount

**Scenario:**

* The system is started up when the operator turns the operator switch to the "on".
* The customer inserts an ATM card into the card reader slot of the machine.
* Customer Enters the PIN and the allowed for the transaction.
* The customer chooses a transaction type from a menu of options.
* After each transaction, the customer is asked whether he/she would like to perform another.
* Customer enters the money he/she wants to withdraw.
* The Machine dispensed the amount and customer takes the receipt of withdraw.
* The Machine will pull out the ATM card if customer finishes transaction.
* The system is shut down when the operator makes sure that no customer is using the machine.

**Exceptions:**

* The Card reader did not read the ATM card and card stuck in the slot.
* The negative amount of money may cause machine to crash.
* Extension of invalid inputs may shuts the machine down.

**Q#4 :**