**LAB Test**

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**Question No1**

**Question No3**

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

**Ans:**

**<<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.

**<<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.

**Q #2: Draw activity diagram of the Withdraw use case.**

**Descriptive Use Case:** ATM SYSTEM.

**Actor:** 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**: Organization decides to give the facility his customer of the money transaction 24Hrs/Day.

**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.
* Customer enters the money he/she wants to withdraw.
* The Machine dispensed the amount and customer takes the receipt of withdrawn money.
* After each transaction, the customer is asked whether he/she would like to perform another.
* 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.

**Exception:**

1. The Card Reader Didn’t read the ATM card and card stuck in the slot.
2. The negative amount of money may cause machine to crash.
3. Extension of invalid inputs may shuts the machine down.