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# SE LAB – TEST

## Questions:

Question a) Explain about relationships in the above use case

ANS: The relationships in the given use case are:

* Operator with system startup:

This relationship define that operator can start the system and he can operate the system.

* Operator with system shutdown:

This relationship define that the operator can shutdown the system.

* Customer and session:

Customer can start the session.

* Session and transaction(include):

Customer can only do transactions if and only if he/she has passed through the session. Include is mandatory and it is not optional.

* Invalid pin and Transaction:

Extend adds more functionality to the use case. “Invalid pin” is independent. If invalid pin is entered 3 times then customer cannot do transactions.

Question b) Does this use case model require any modifications?

ANS: No, this use case model does not require any modifications

Question c) Write decriptive use case for withdrawal use case

ANS:

Case tittle: Withdrawal use case

Primary actors: Customer

Secondary actor:

* + Operator
  + Bank
  + System

Preconditions:

* The customer shall have an account in the bank
* The customer shall have ATM card.
* The customer shall have checkbook.

Trigger: Customer want to withdraw from bank.

Scenario:

* Customer Enters his username
* Customer enters his password
* Customer start the session
* System shall display the menu
* Customer want to withdraw the money
* Customer clicks on the withdrawal button
* Customer withdraw the money
* Customer take out his card
* Customer take the money
* The session ends

Exceptions:

* The machine does not work
* There is no electricity
* There is no backup for electricity