1. **Explain about relationships in the above use case**

Following are the relationships in the use case.

* **Inheritance**

The withdrawal, deposit, transfer and inquiry are inherited from transaction use case.

* **Include**

For any transaction customer shall enter the session.

* **Extend**

When the user enter the invalid PIN system shall call invalid use case.

1. **Does this use case model require any modifications?**

Yes, this use case model require a little bit modifications.

System will show complete process of ATM machine.

1. **Write descriptive use case for withdrawal use case.**

Title: Withdrawal

1. Primary actor : Customer
2. Secondary actor : Bank
3. Stakeholder : Bank
4. Precondition : Customer shall have account

Customer must enter valid pin

**Use Case Name**: Withdraw Cash

**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Withdrawn from the account.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.

**Trigger:** The customer has completed use case Validate PIN.

**Precondition:** The Validate PIN use case completed successfully.

**Post condition**: The cash is dispatched and the amount has been withdrawn from the selected account.