**Relationships in the 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.

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

Yes, this use case model require some modifications.

There should be a use case for maintenance.

There should be a use case for repair.

There should be use case for cash replenish.

There should be another actor cashier.

**Descriptive use case for withdrawal use case.**

**Use Case Name**: Withdraw Cash

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

**Primary actor:** Customer

**Secondary actor:** Bank

**Stakeholder:** Bank

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

**Assumptions:** None.

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

**Post condition:** The cash is dispatched and the amount has been withdrawn from the selected account.

**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 If there are sufficient funds, the cash is dispensed and the amount is withdrawn from the account.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**

Power goes down.

Someone breaks the machine.

**Activity diagram of the Withdraw use case**