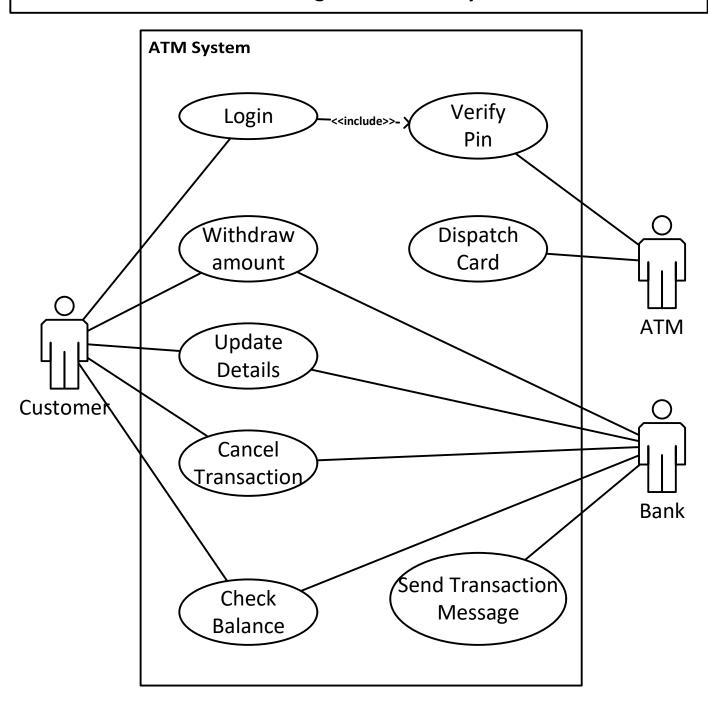
Case Study

Customer uses bank ATM to Check Balances of his/her bank accounts & Withdraw Cash. When Customer enter his/her pin, ATM Machine Verify it. Bank database will monitor all the activity of Customer. After transaction the ATM will Eject the card and the bank will send a transaction successful message to the customer. The bank will also keep the transaction record to its database.

Use Case Diagram For ATM System



Class Diagram For ATM System

1..*

Customer

-id: int

-name: string

-accountNo: string

-balance: double

- -login()
- -insertCard()
- -WithdrawMoney()

ATM

-atmID: string

-location: string

-verifyPin()

-Withdraw()

-DispatchCard()

-RecordTransaction()

1..*

1

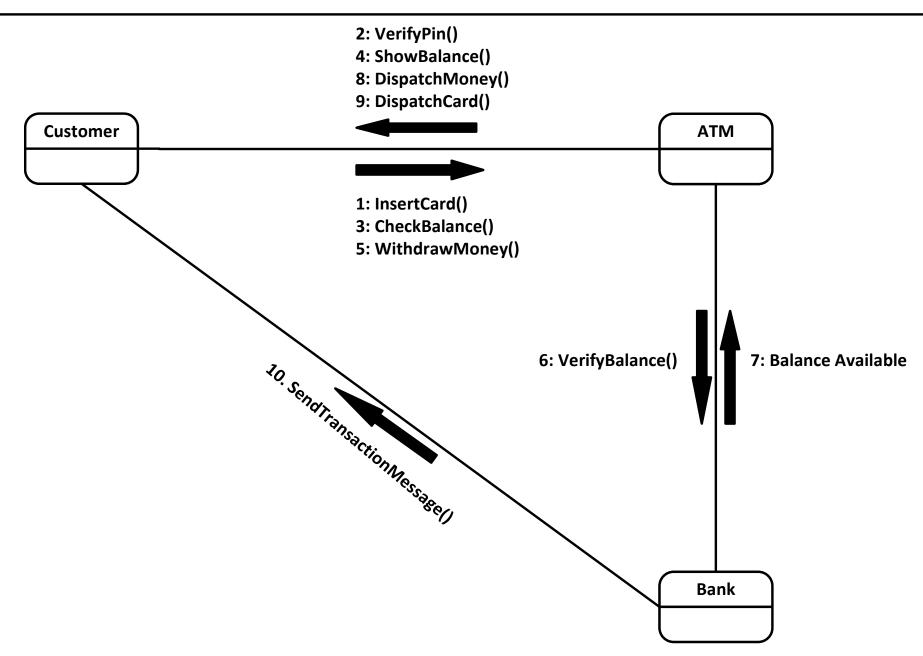
BankDB

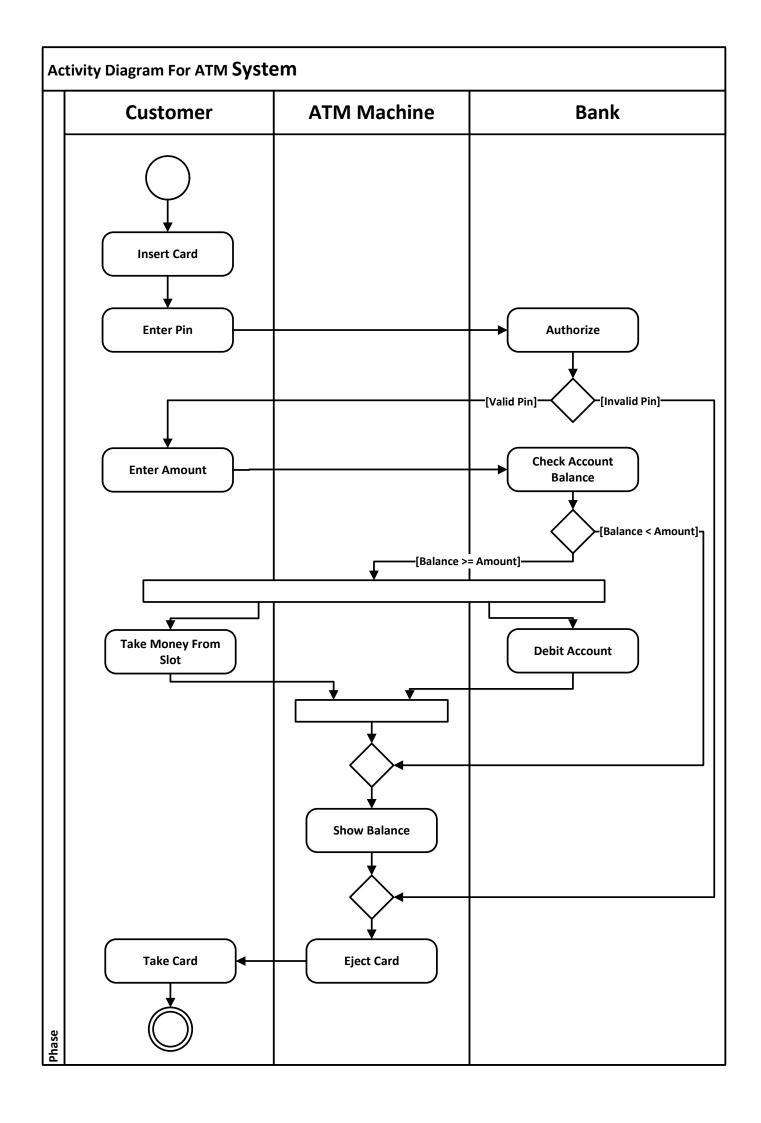
-name: string

-updateAccount()

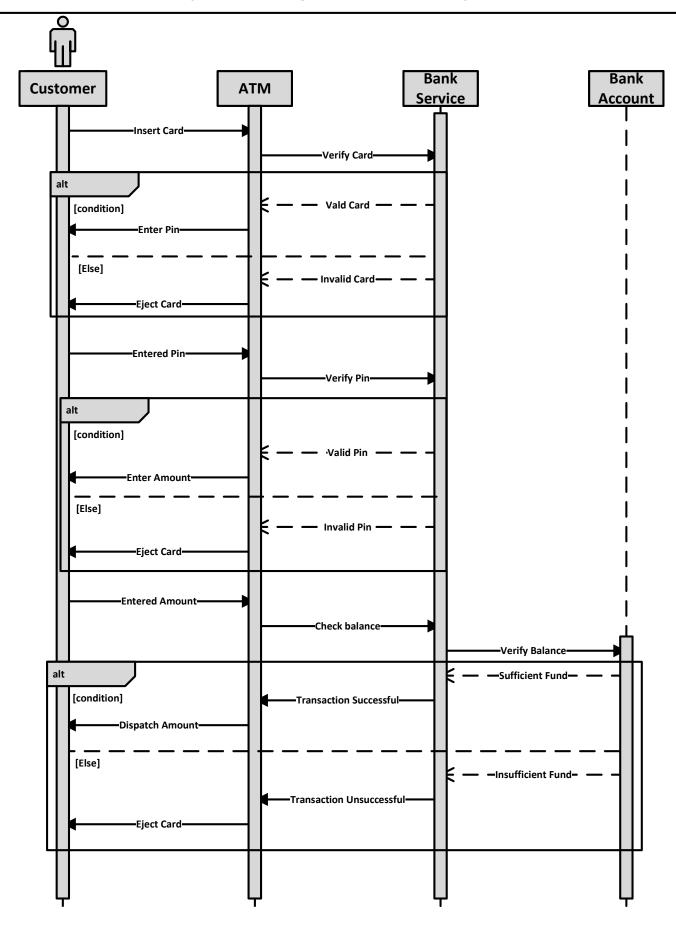
-saveTransaction()

Collaboration Diagram For ATM System

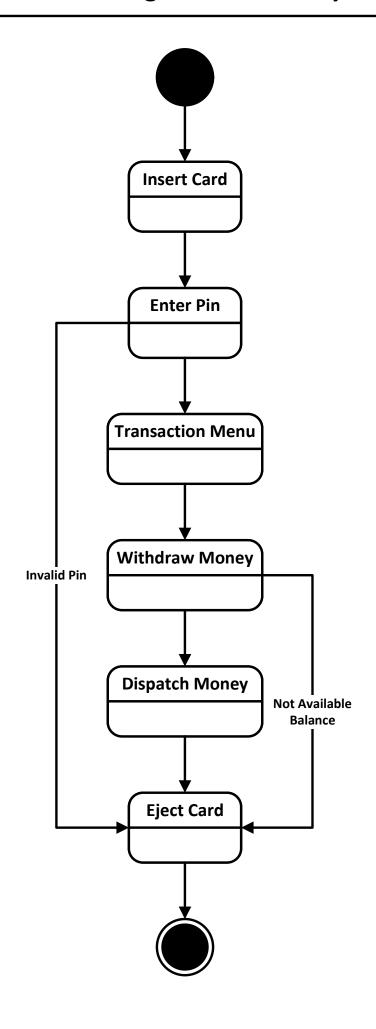




Sequence Diagram For ATM System



State Chart Diagram For ATM System



CRC Card For ATM System

Customer		
Responsibility	Colaboration	
Login InsertCard WithdrawMoney	ATM Machine	

ATM	
Colaboration	
Customer	
BankDB	

BankDB	
Responsibility	Colaboration
UpdateAccount	
SaveTransaction	ATM

Object Diagram For ATM System

c: Customer

id= 201901 name= Mr Junayed accountNo= 162536958 balance= 350000.00

- -login()
- -insertCard()
- -WithdrawMoney()

a: ATM

atmID= AT2003 location= Mirpur 10

- -verifyPin()
- -Withdraw()
- -DispatchCard()
- -RecordTransaction()

b: BankDB

name= DBBL

- -updateAccount()
- -saveTransaction()