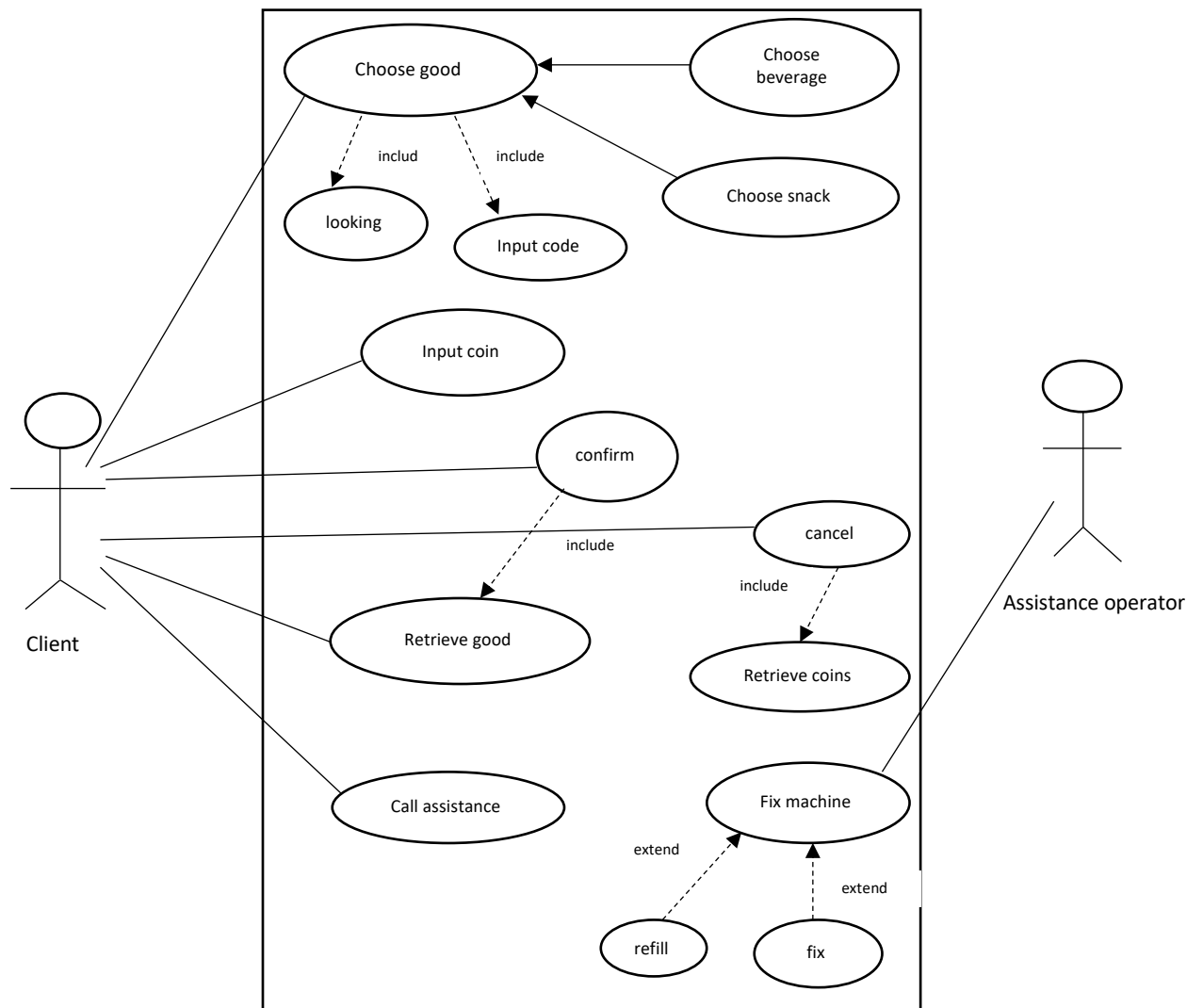# Final Term Exam
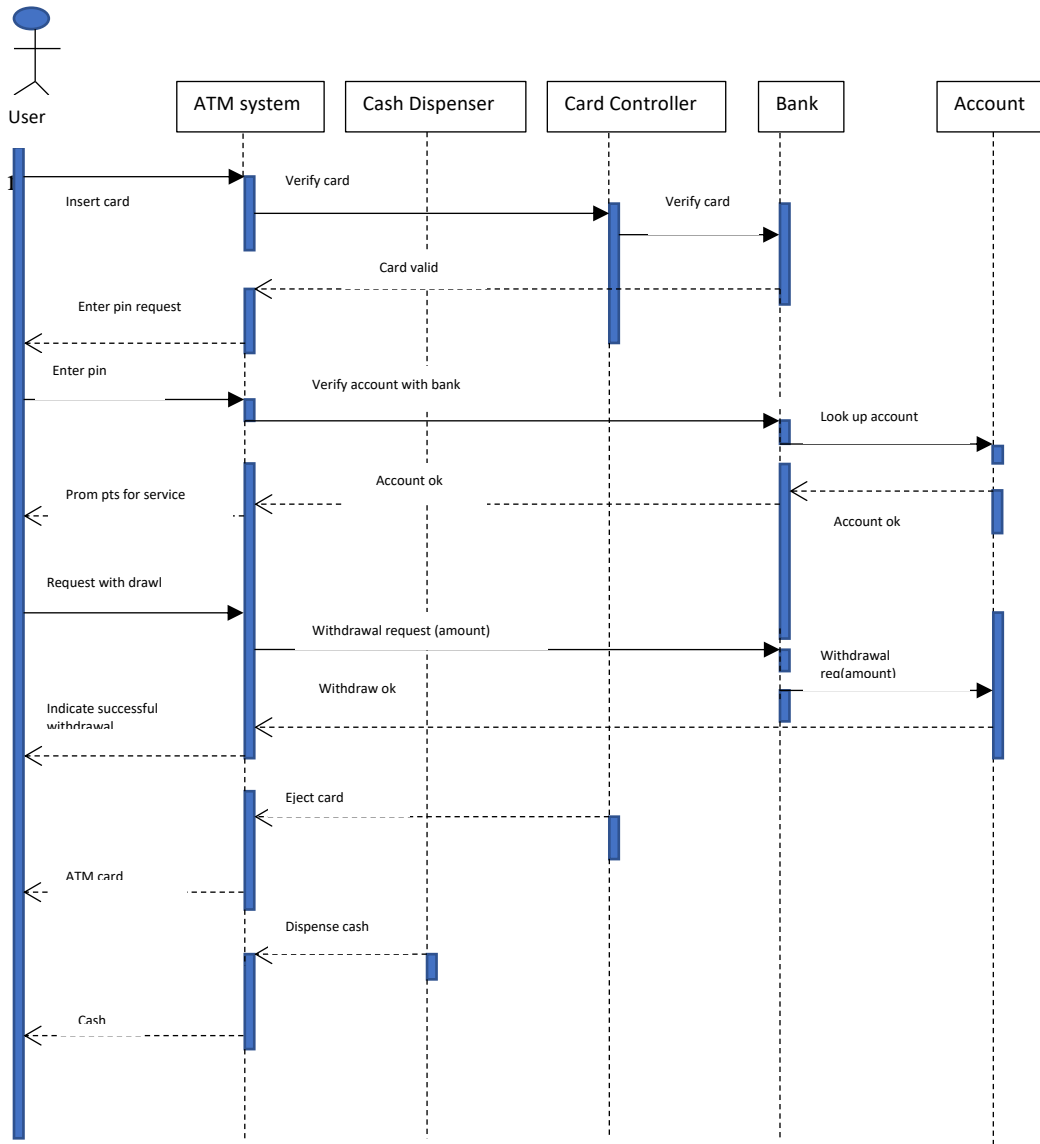
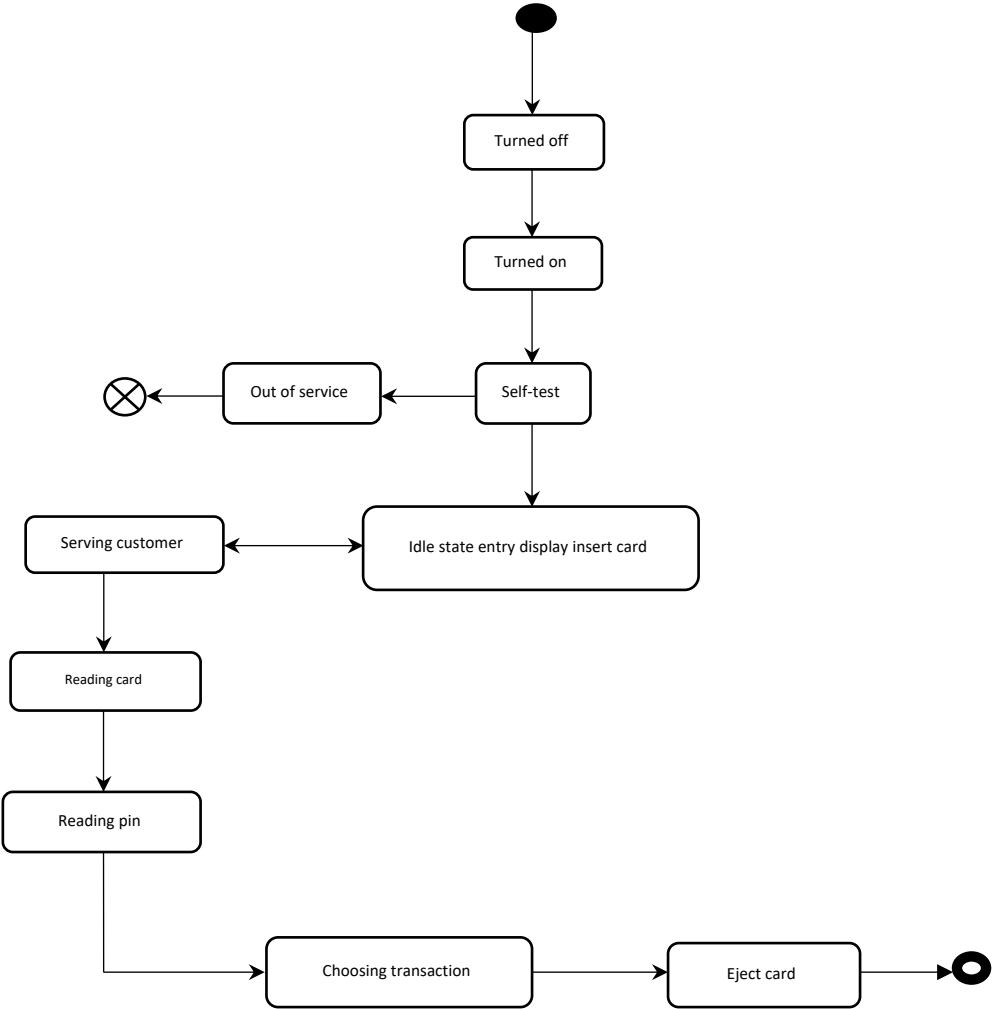**Q1**: Draw Use Case diagram
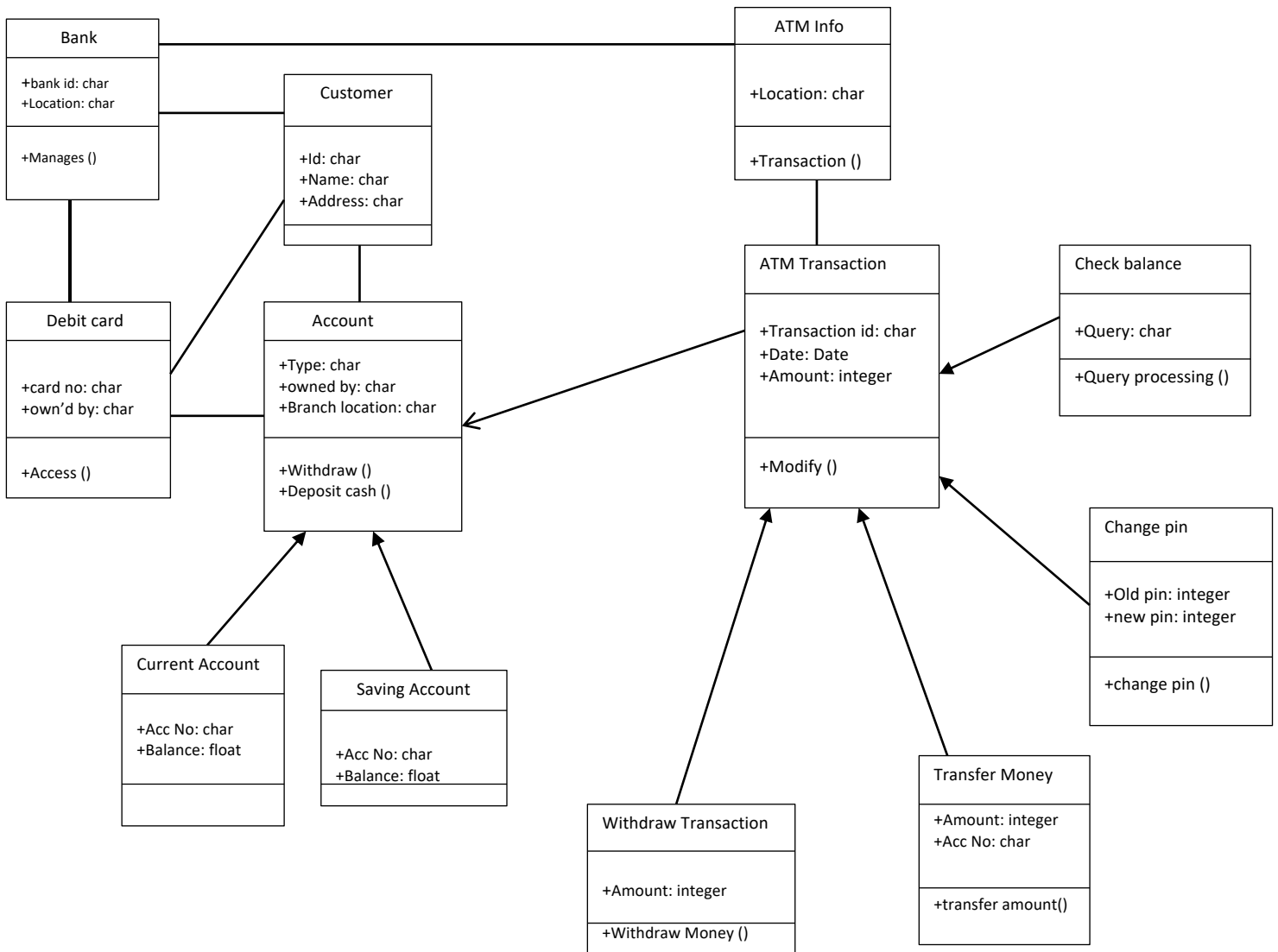
Q2: Draw Sequence Diagram

Q3: Draw State chart diagram

Q4: Draw Class Diagram

Bank

+bank id: char
+Location: char

+Manages ()

Customer

+Id: char
+Name: char
+Address: char

ATM Info

+Location: char

+Transaction ()

Debit card

+card no: char
+own'd by: char

+Access ()

Account

+Type: char
+owned by: char
+Branch location: char

+Withdraw ()
+Deposit cash ()

ATM Transaction

+Transaction id: char
+Date: Date
+Amount: integer

+Modify ()

Check balance

+Query: char

+Query processing ()

Change pin

+Old pin: integer
+new pin: integer

+change pin ()

Current Account

+Acc No: char
+Balance: float

Saving Account

+Acc No: char
+Balance: float

Withdraw Transaction

+Amount: integer

+Withdraw Money ()

Transfer Money

+Amount: integer
+Acc No: char

+transfer amount()

Q5: Design Pattern

Shape
<<interface>>

+draw (): void

implement

Circle

+draw (): void

Rectangle

+draw (): void

decorates

Shape Decorator

+shape: shape

+shape decorator ()
+draw (): void

implements

Shape Decorator

+shape: shape

+shape decorator ()
+draw (): void

Decorator pattern Demo

+main (): void

asks