

MANAGEMENT INFORMATION SYSTEM

LAB EXPERIMENT: 4

4) Draw a UML diagram for ATM System using CASE tool. The banking system allows a customer to access the financial transactions by ATM System, it has a step-by-step process describe the work of this process and elaborate the what are the work can do by customer, banking system, administrator and technicians with the ATM system.

AIM:

To develop a **UML Diagram** for an **ATM System** using a CASE tool, illustrating how customers, the banking system, administrators, and technicians interact with the ATM.

PROCEDURE:

1. Identify Key Actors:

- **Customer:** Uses the ATM for financial transactions.
- **Banking System:** Handles transactions and account validation.
- **Administrator:** Manages ATM software and settings.
- **Technician:** Maintains and repairs the ATM machine.

2. Define the Work Each Actor Can Do:

- **Customer:**
 - Insert Card
 - Enter PIN
 - Check Balance
 - Withdraw Cash
 - Deposit Money
 - Transfer Funds
 - Print Receipt
 - Exit
- **Banking System:**
 - Authenticate User

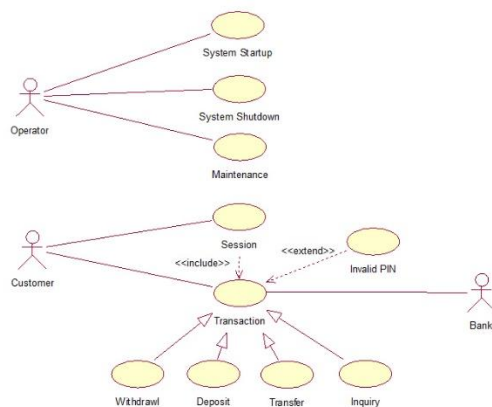
- Process Transactions
- Update Account Balance
- Maintain Transaction Logs
- **Administrator:**
 - Manage ATM Settings
 - Load Software Updates
 - Monitor Transactions
- **Technician:**
 - Perform Maintenance
 - Repair ATM Issues
 - Refill Cash
 - Check Hardware Status

3. Establish Relationships:

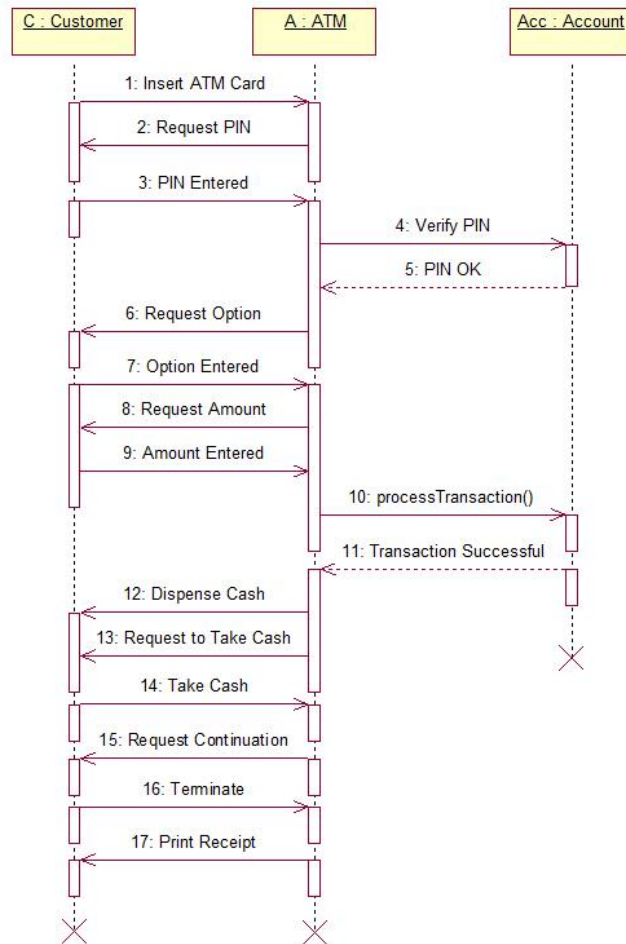
- The **Customer** interacts with the **ATM** to perform transactions.
- The **ATM System** communicates with the **Banking System** for authentication and processing.
- The **Administrator** configures and manages the **ATM System**.
- The **Technician** ensures the ATM is functional and replenished.

OUTPUT:

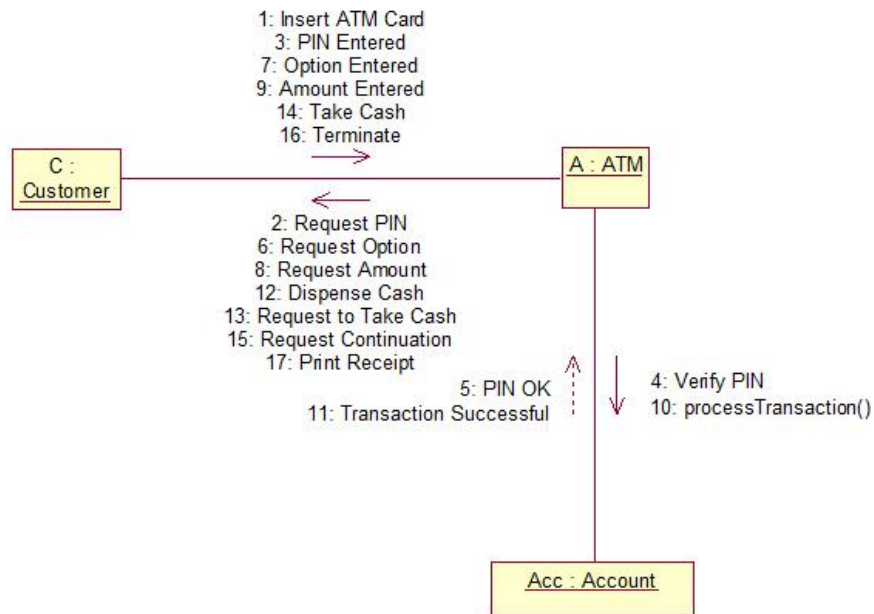
USECASE DIAGRAM:



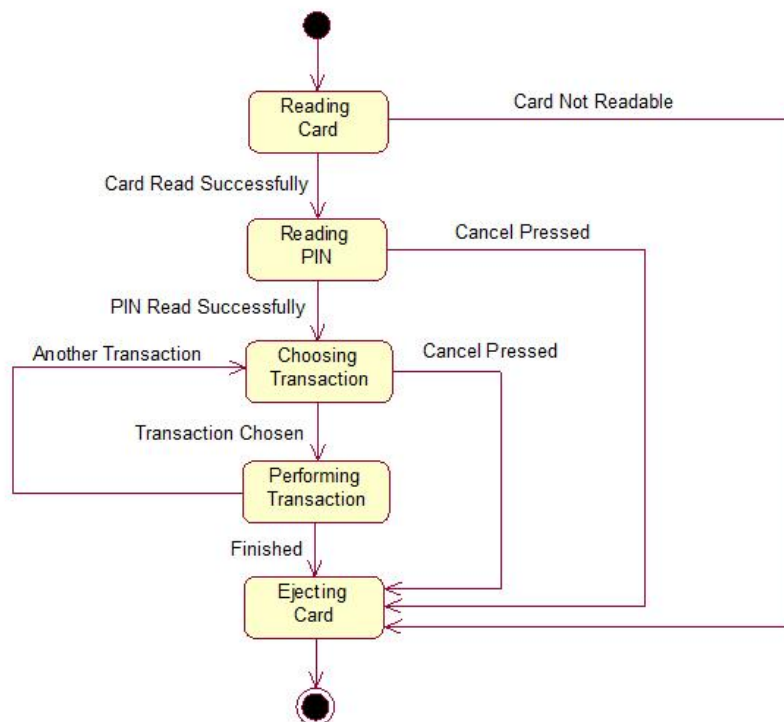
SEQUENCE DIAGRAM:



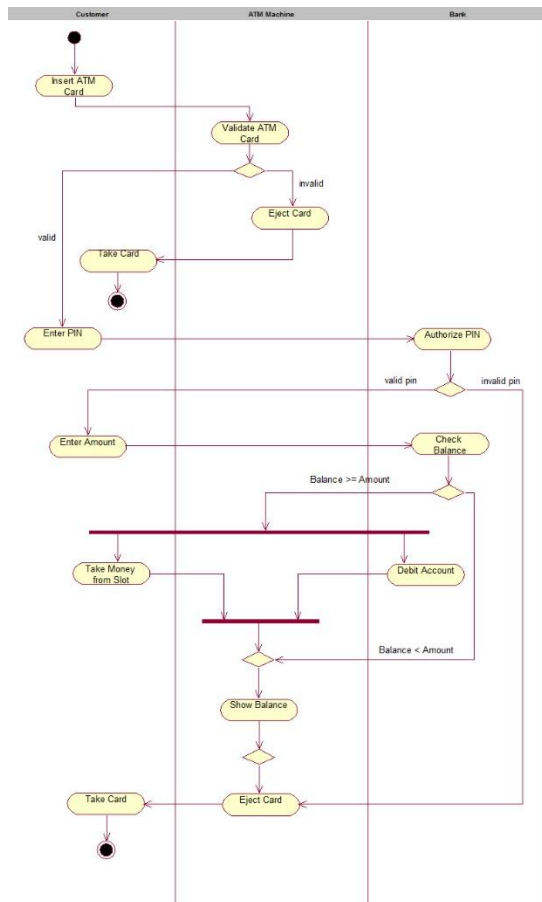
COLLABORATION DIAGRAM:



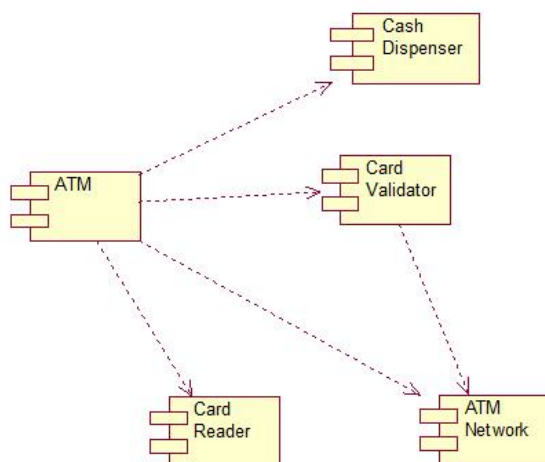
STATE DIAGRAM:



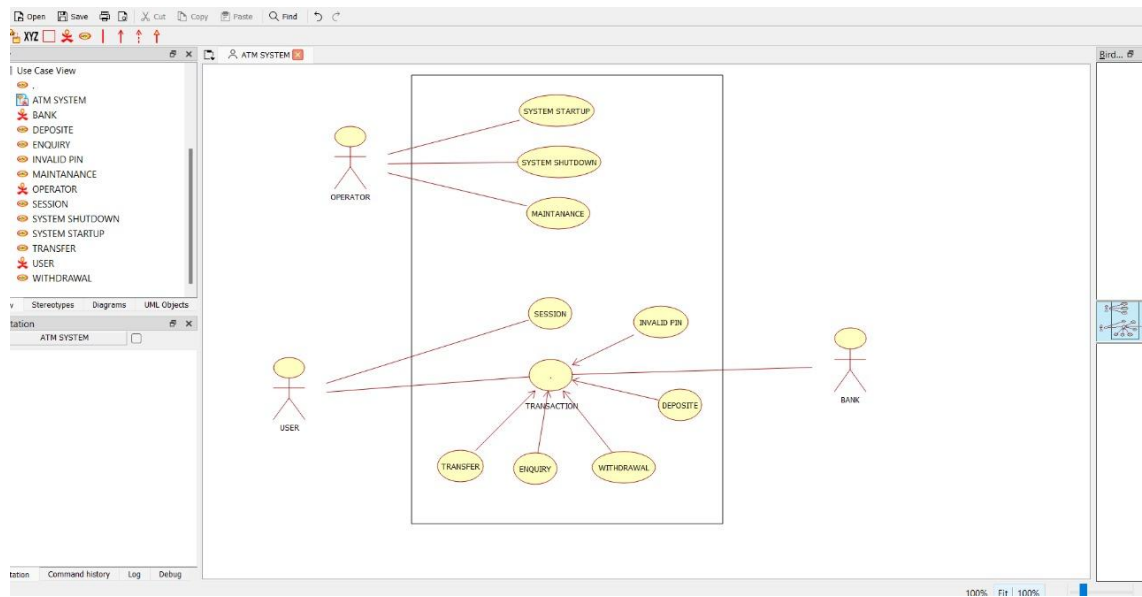
ACTIVITY DIAGRAM:



COMPONENT DIAGRAM:



ACTIVITY DIAGRAM:



RESULT:

- UML DIAGRAMS IS SUCCESFFULY DESIGNED.