MANAGEMENT INFORMATION SYSTEM

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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.
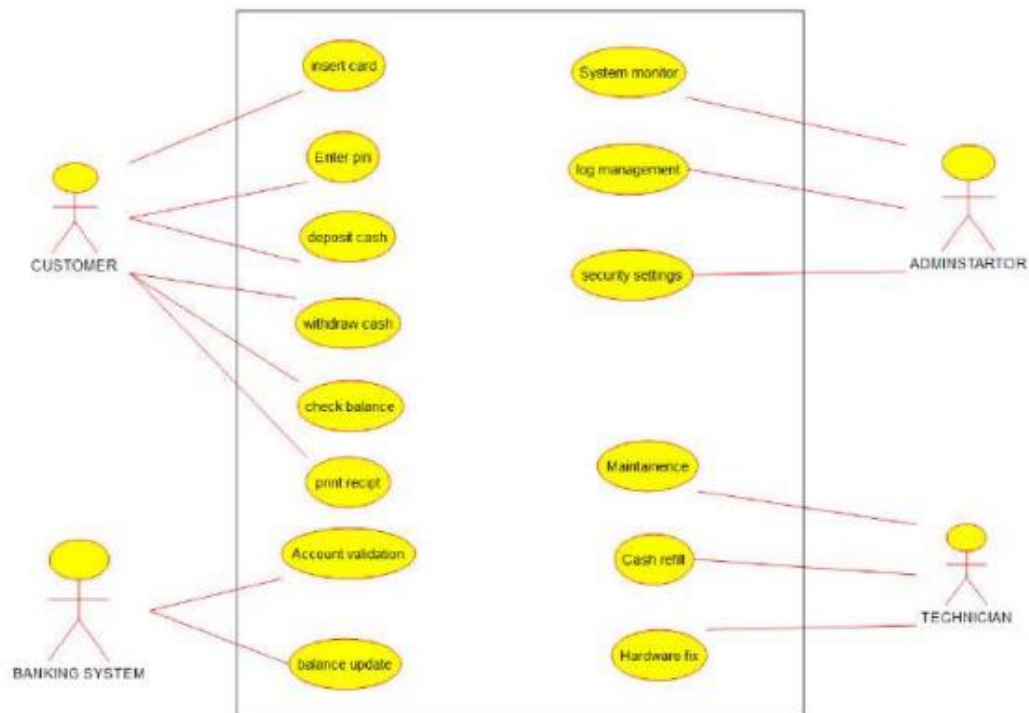
AIM

To design a UML **Use Case Diagram** for an **ATM System** using a CASE tool, illustrating the interactions between customers, the banking system, administrators, and technicians.
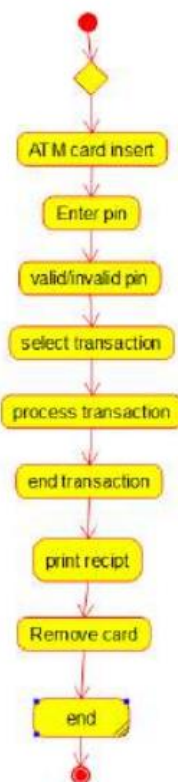
PROCEDURE

- Identify system actors such as **Customer, Banking System, Administrator, and Technician**.

- Define key use cases like **Withdraw Cash, Deposit Cash, Check Balance, Transfer Funds, Print Receipt, Manage ATM Settings, and Perform Maintenance**.

- Establish relationships between actors and use cases.

- Use **extends** and **includes** relationships where necessary (e.g., Print Receipt includes Withdraw Cash and Deposit Cash).

- Draw the **Use Case Diagram** to illustrate interactions with the ATM system.

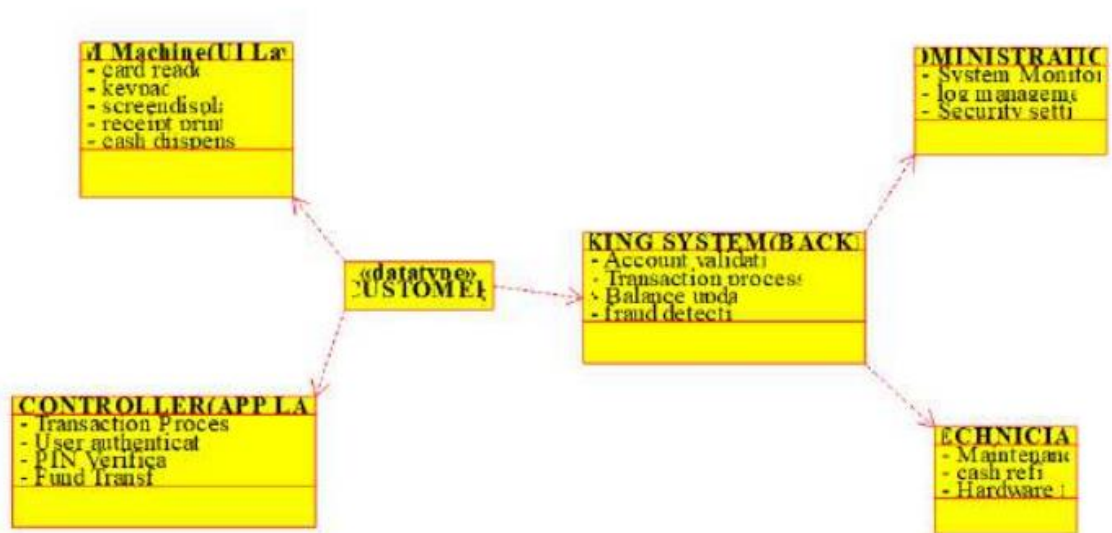- Ensure clarity and correctness using UML notations.
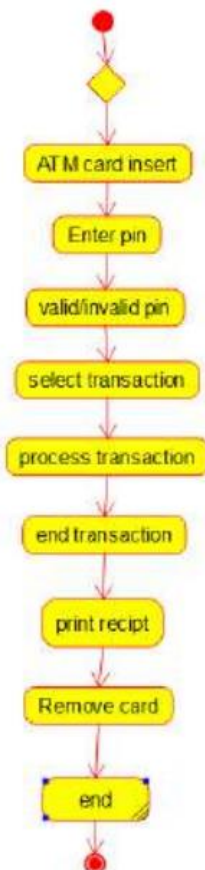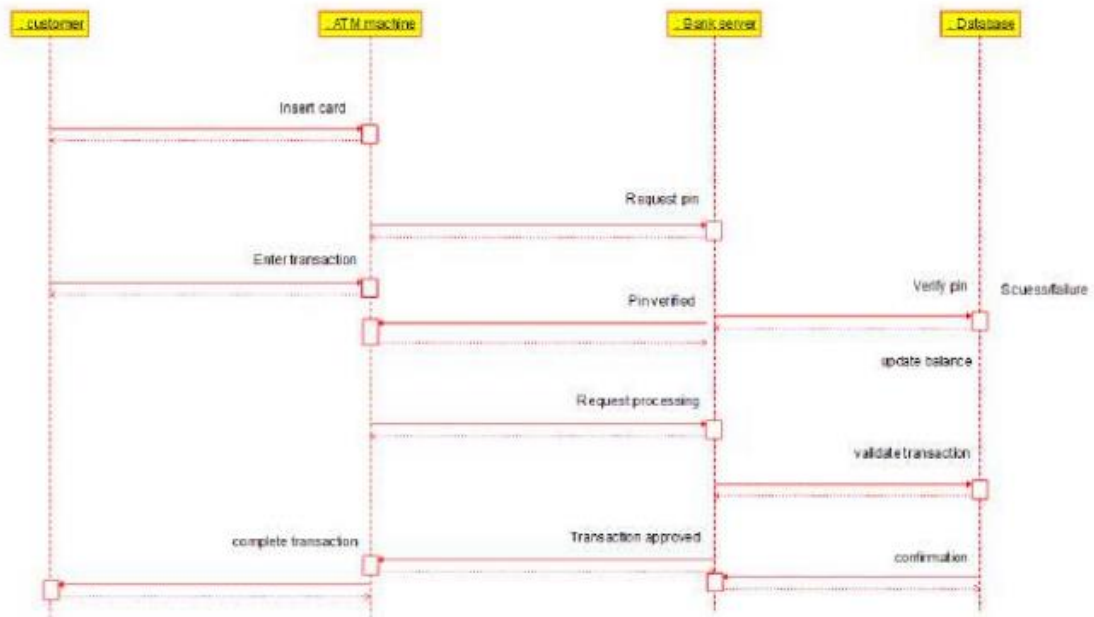
OUTPUT:

USECASE DIAGRAM:

ACTIVITY DIAGRAM:
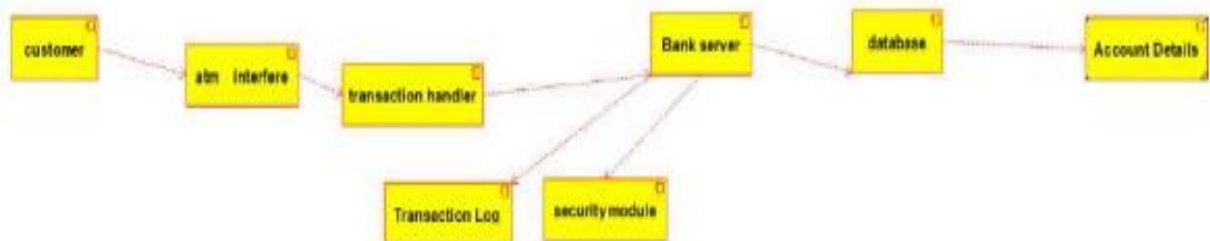
CLASS DIAGRAM:

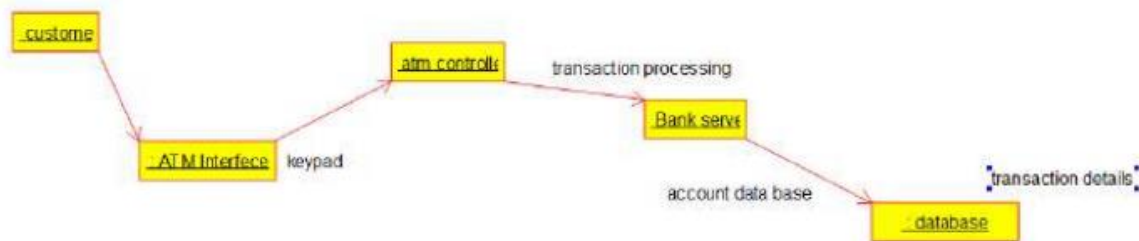## STATE DIAGRAM:
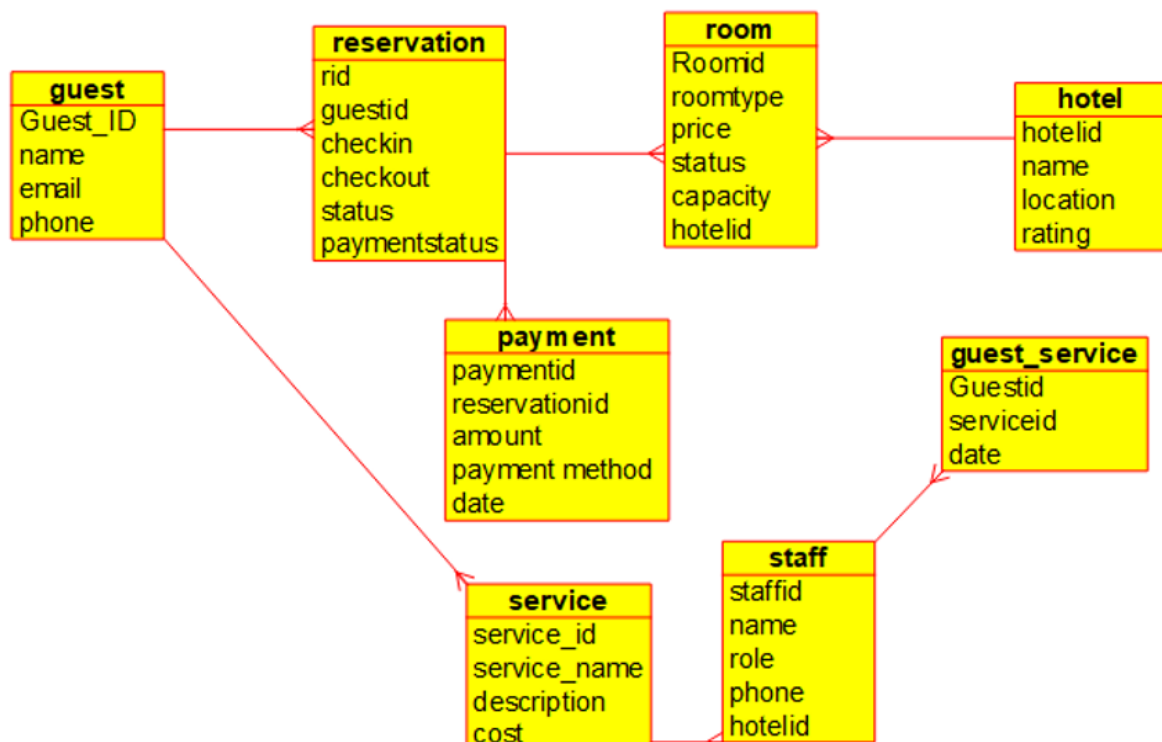
SEQUENCE DIAGRAM:

COMPONENT DIAGRAM:

COMMUNICATION DIAGRAM:

DEPLOYMENT DIAGRAM:

ER DIAGRAM:

RESULT

The **Use Case Diagram** for the **ATM System** was successfully designed, covering all essential functionalities, user interactions, and system processes. This provides a structured representation of the system for implementation.