EXPERIMENT.NO: 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.
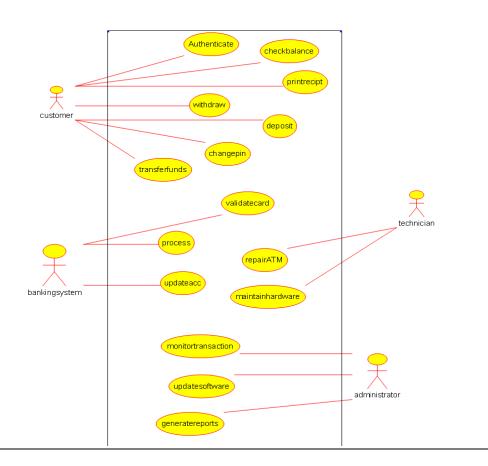
Aim:

To design a UML diagram for an ATM System using a CASE tool, illustrating the interactions between customers, the banking system, administrators, and technicians, and detailing the step-by-step process of financial transactions.

Procedure:

1. Identify the main entities: **Customer**, **Banking System**, **Administrator**, **Technician**, and **ATM**.

2. Define the functionalities: Customer performs transactions, Banking System validates and processes requests, Administrator manages accounts, and Technician maintains the ATM.

3. Establish relationships: Customer interacts with ATM, ATM communicates with Banking System, Administrator oversees operations, and Technician repairs/maintains the ATM.

4. Validate the flow: Customer inserts card → Enters PIN → Selects transaction → ATM processes request → Banking System validates → Transaction completes.

5. Ensure all roles and functionalities are represented in the UML diagram.

Output:

Result:

A UML Use Case Diagram for the ATM System includes actors: Customer, Banking System, Administrator, and Technician. The Customer can withdraw cash, check balance, deposit funds, and transfer money. The Banking System validates transactions, updates accounts, and manages security. Administrators oversee system operations and handle customer accounts, while Technicians maintain and repair the ATM hardware. The diagram illustrates interactions and processes for seamless financial transactions.