EXERCISE.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.
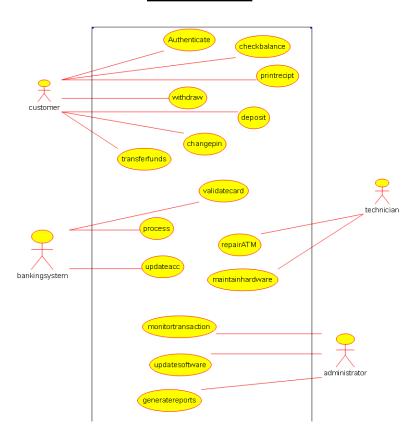
AIM:

To design a UML diagram for an ATM System using a CASE tool, illustrating the interactions between the customer, banking system, administrator, and technician in handling financial transactions.

PROCEDURE:

STEP 1: Open a CASE tool like StarUML, IBM Rational Rose, or Visual Paradigm.

STEP 2: Identify the main actors: Customer, Banking System, Administrator, and Technician.

STEP 3: List the use cases for each actor, such as withdrawing money, depositing funds in ATM

STEP 4: Create a Use Case Diagram to show interactions between actors and the ATM system.

STEP 5: Design a Class Diagram with classes like ATM, Account, Transaction, and User.

STEP 6: Develop a Sequence Diagram to represent the process of an ATM transaction.

STEP 7: Construct an Activity Diagram to illustrate the workflow of financial transactions.

STEP 8: Connect entities, processes, and relationships clearly in the UML diagrams.

STEP 9: Verify the diagrams for completeness and accuracy.

STEP 10: Save and export the diagrams for documentation and implementation.

UML DIAGRAM:

ATM SYSTEM

RESULT:

Thus the UML diagram for the ATM System has been implemented successfully.