

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.

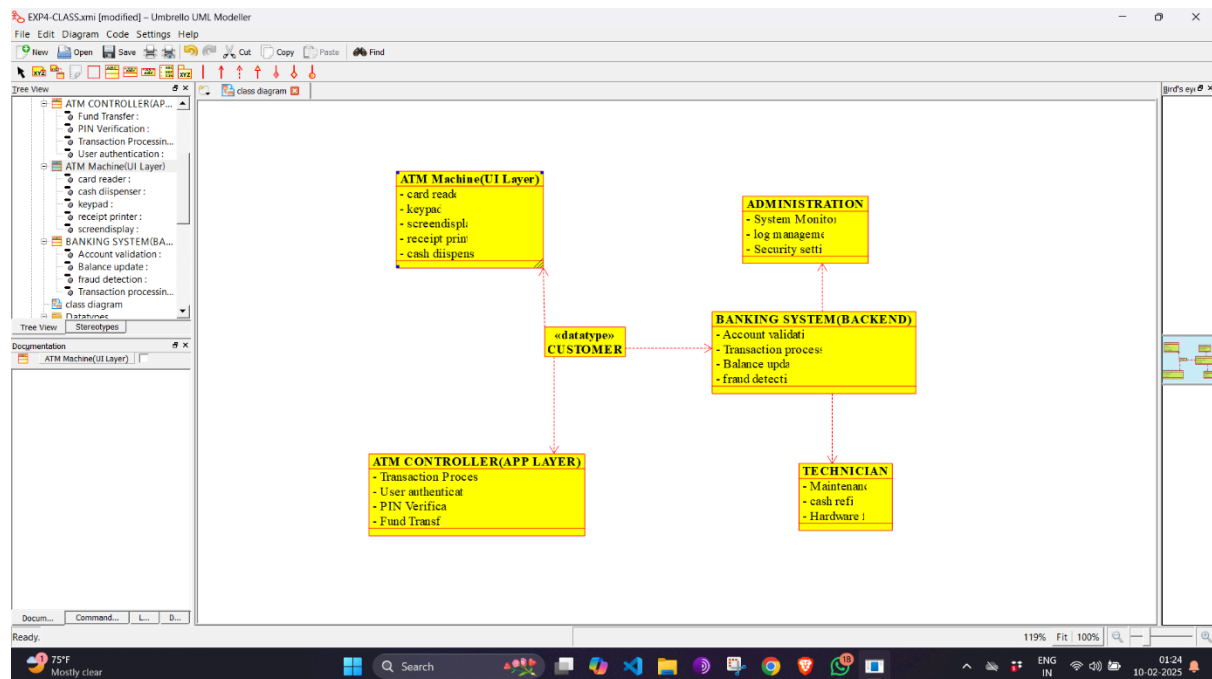
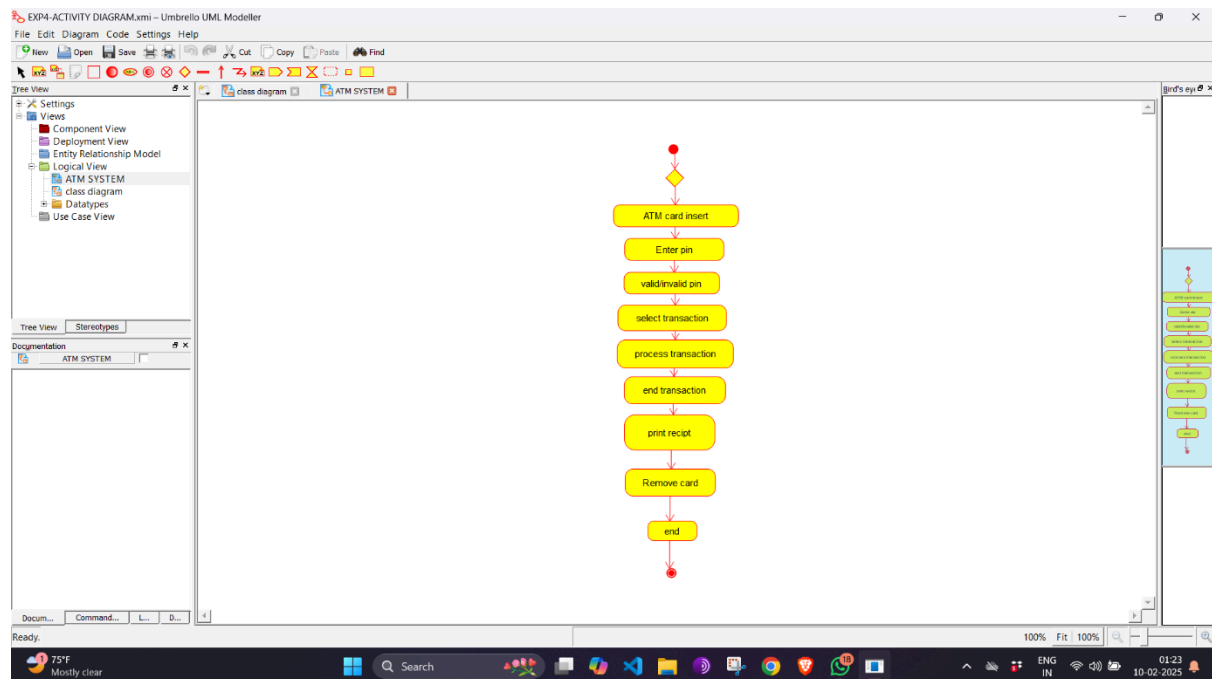
**Aim:**

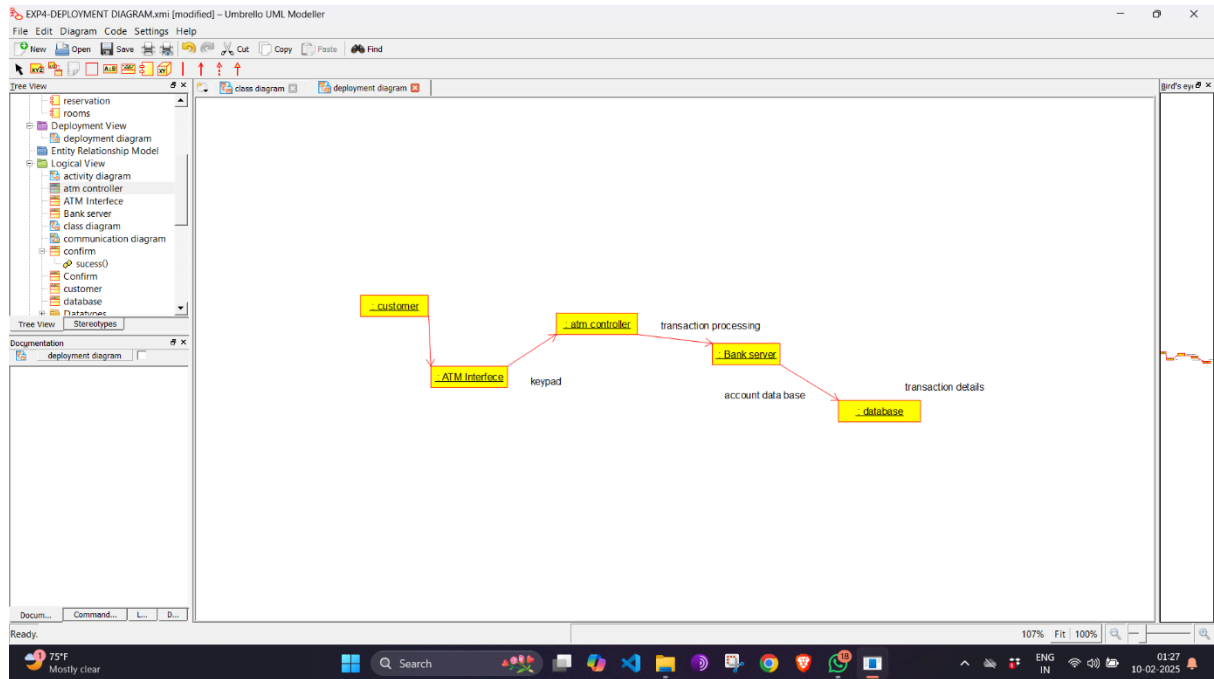
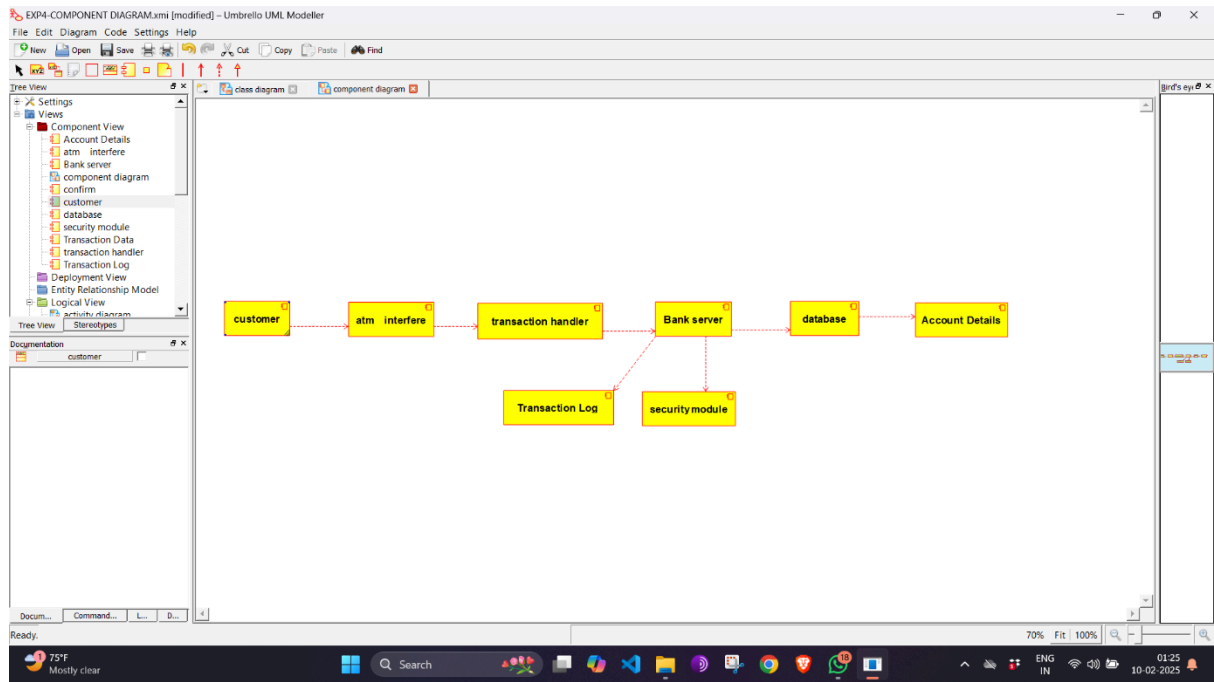
To design a UML diagram for an ATM System using a CASE tool, illustrating the interactions between the customer, banking system, administrator, and technician in handling financial transactions.

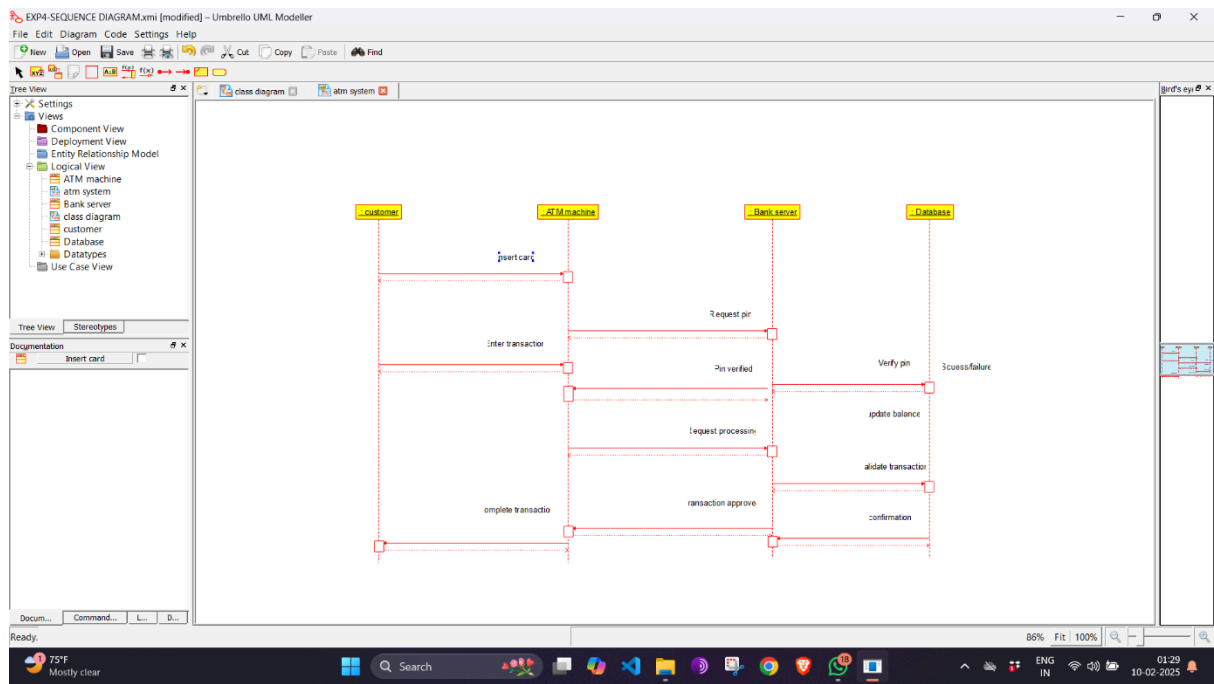
**Procedure :**

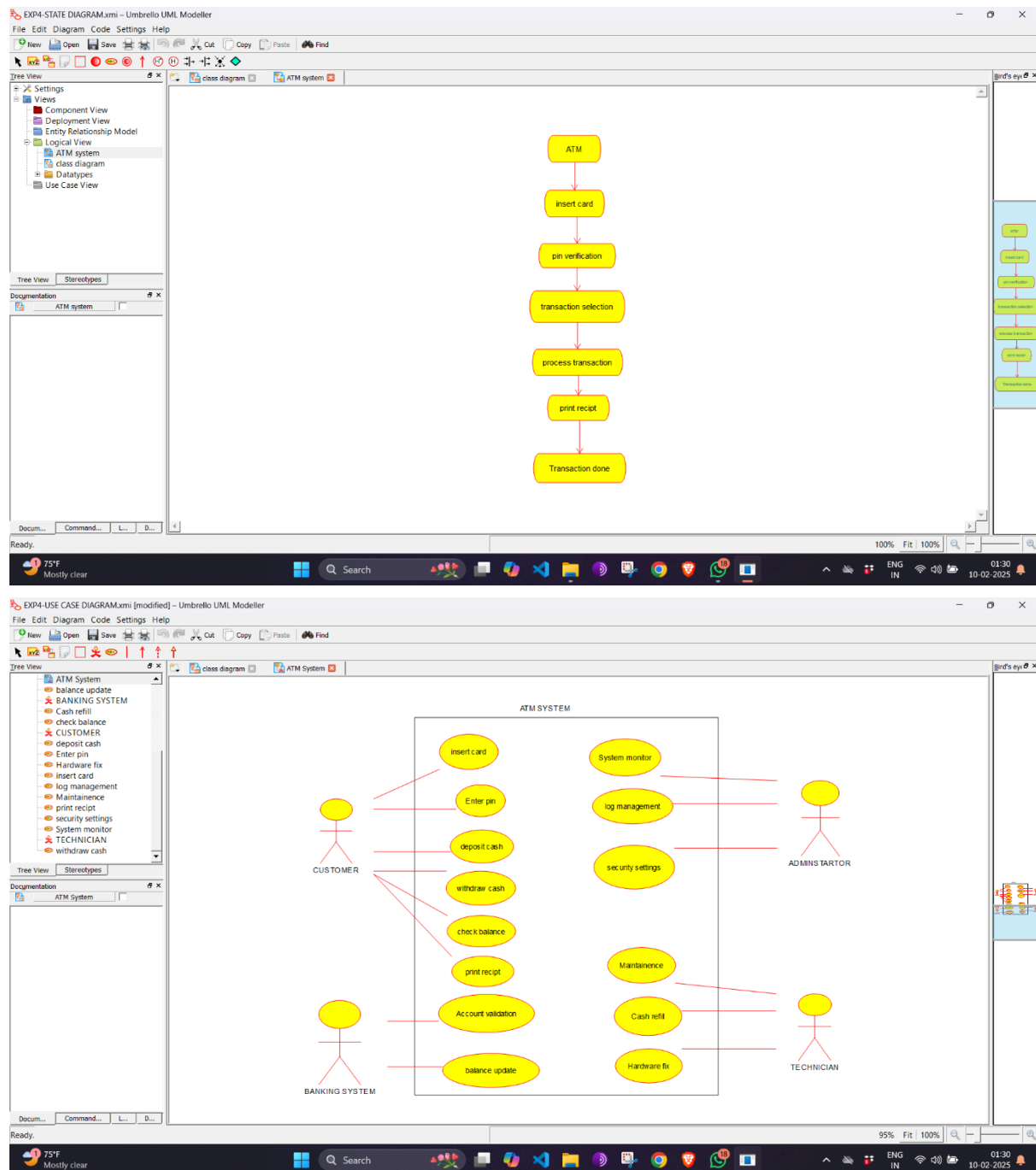
1. Open a CASE tool like StarUML, IBM Rational Rose, or Visual Paradigm.
2. Identify the main actors: Customer, Banking System, Administrator, and Technician.
3. List the use cases for each actor, such as withdrawing money, depositing funds, and maintaining the ATM.
4. Create a Use Case Diagram to show interactions between actors and the ATM system.
5. Design a Class Diagram with classes like ATM, Account, Transaction, and User.
6. Develop a Sequence Diagram to represent the step-by-step process of an ATM transaction.
7. Construct an Activity Diagram to illustrate the workflow of financial transactions.
8. Connect entities, processes, and relationships clearly in the UML diagrams.
9. Verify the diagrams for completeness and accuracy.
10. Save and export the diagrams for documentation and implementation.

## Diagram:









Result :

The UML diagram for the ATM System was successfully designed using a CASE tool. The diagram effectively represents the interactions between various actors, including Customer, Banking System, Administrator, and Technician, and their respective use cases.