DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LIST OF EXPERIMENTS

COURSE CODE   :   CSA4001

COURSE NAME   :   MANAGEMENT INFORMATION SYSTEM

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 a **Banking ATM System**, where customers perform financial transactions, while the banking system, administrators, and technicians manage ATM operations.
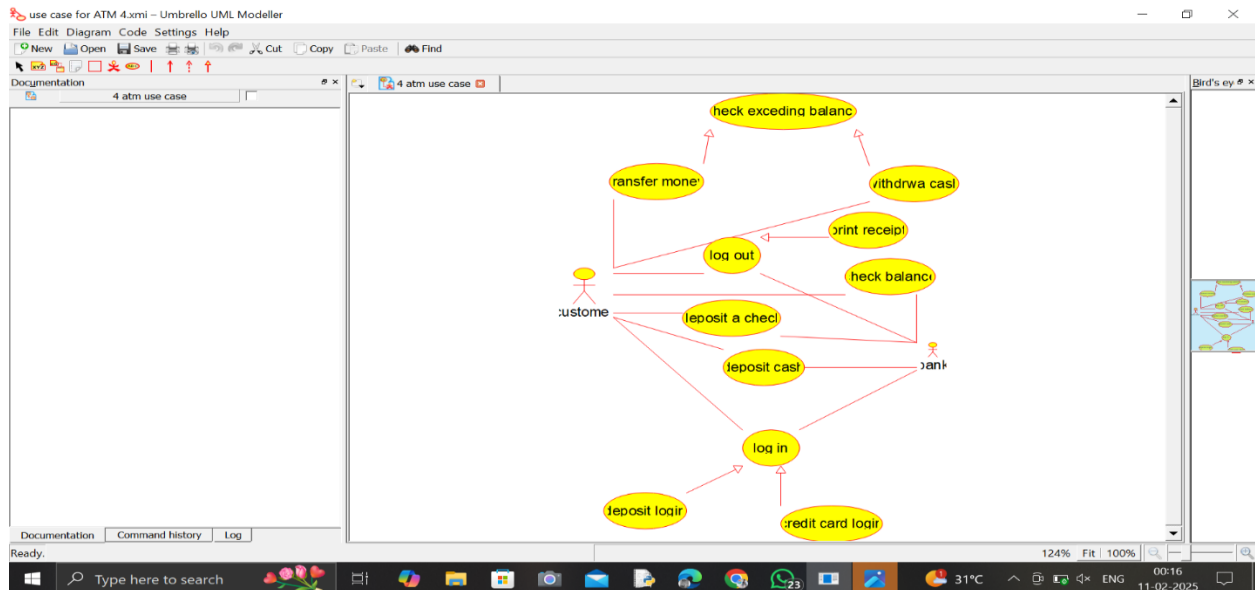
PROCEDURE:
1. **Customer Accesses ATM**
   o The customer inserts their debit/credit card and enters the PIN for authentication.
2. **Customer Performs Transactions**
   o The customer can withdraw cash, deposit money, check balance, transfer funds, or change PIN.
3. **Banking System Processes Requests**
   o The banking system verifies the account details, checks the balance, and processes the transaction accordingly.
4. **Administrator Manages ATM Operations**
   o The bank administrator monitors transactions, sets withdrawal limits, updates account details, and handles fraud alerts.
5. **Technician Maintains ATM Hardware & Software**
   o Technicians repair faulty ATMs, update software, and ensure cash refilling when required.
6. **System Logs Transactions & Generates Reports**
   o The banking system records all transactions, updates customer balances, and generates reports for auditing.
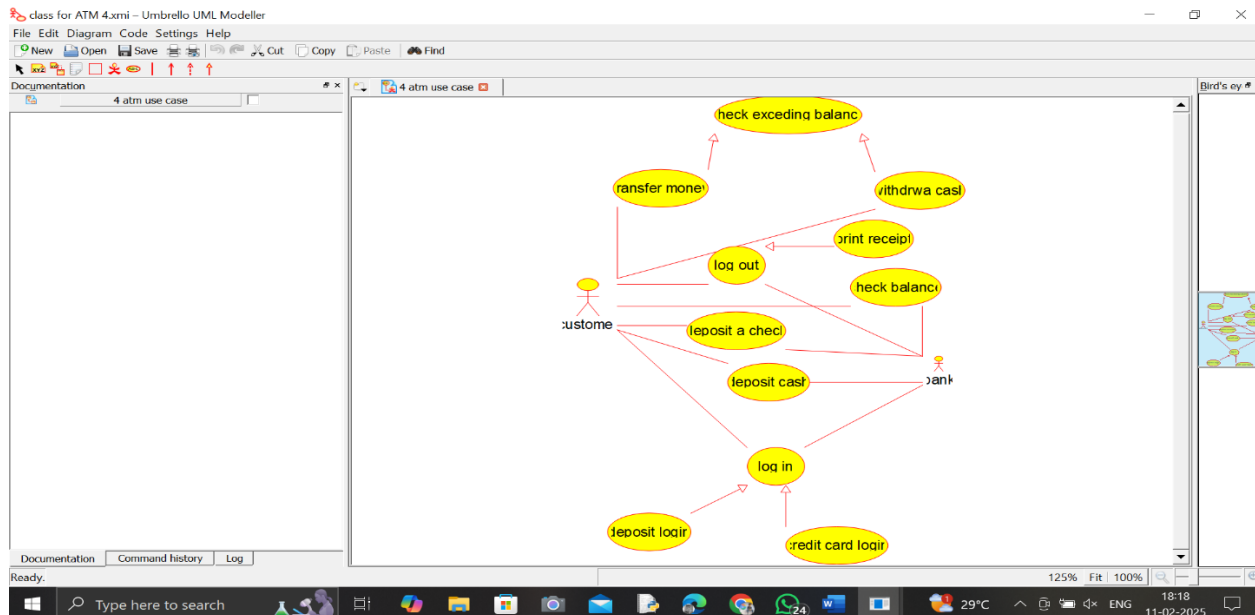
7. **Customer & System Complete the Transaction**
   o The ATM dispenses cash, prints a receipt (if requested), and securely logs the customer out.
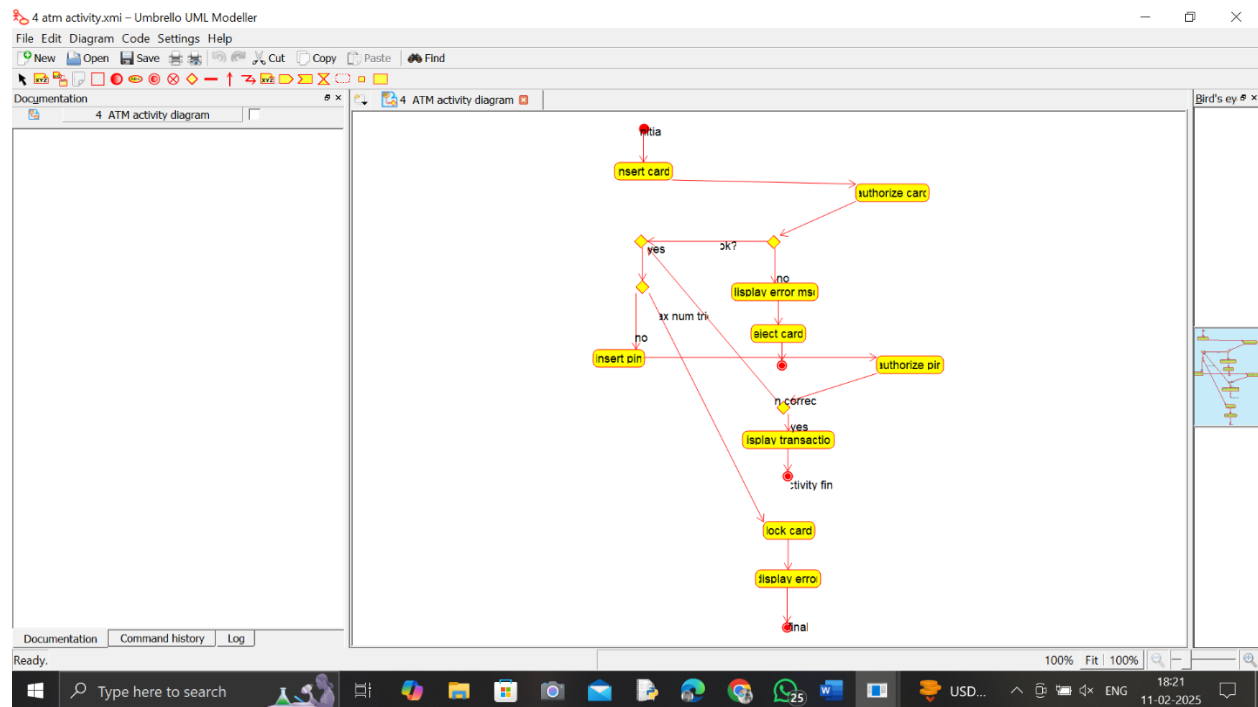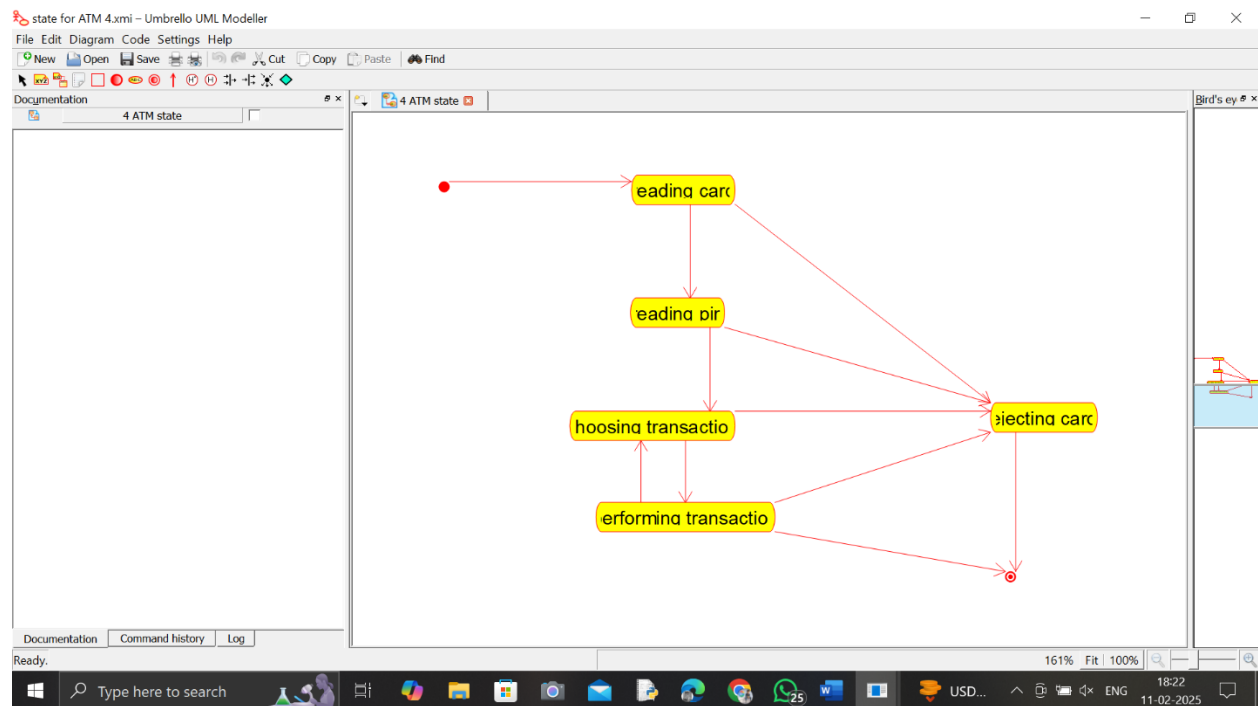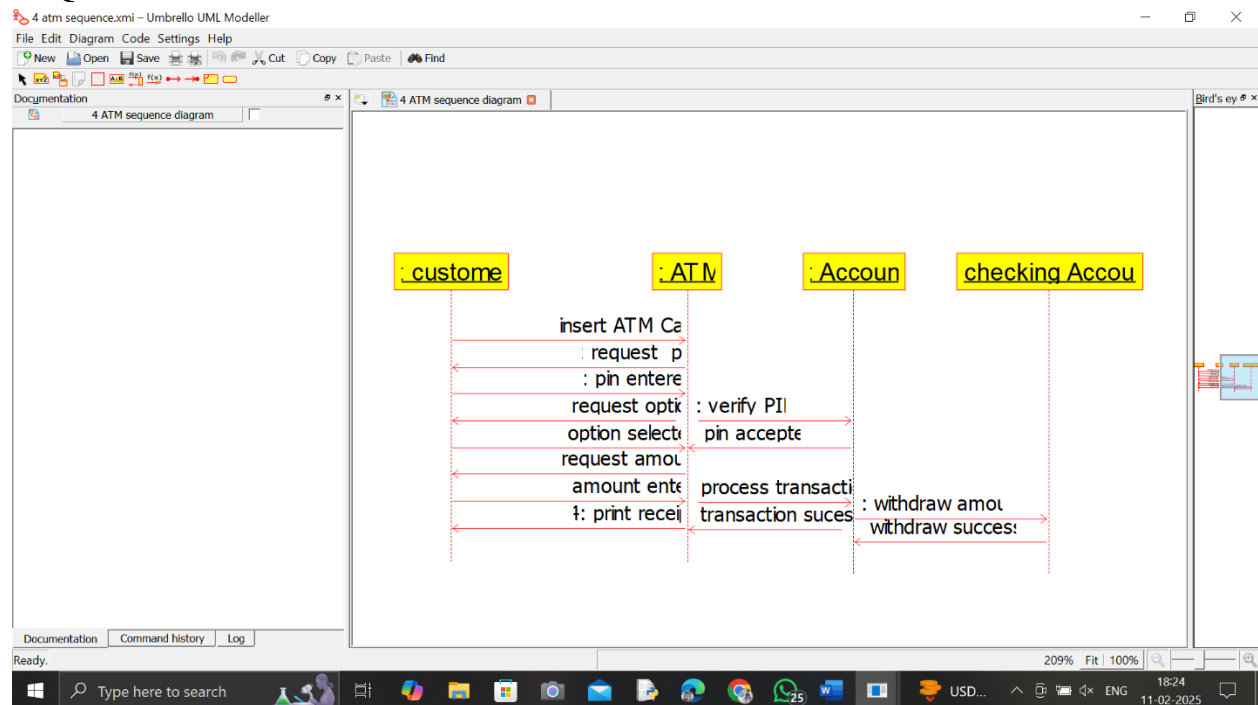
OBSERVATION:

USECASE DIAGRAM:

CLASS DIAGRAM:

ACTIVITY DIAGRAM:
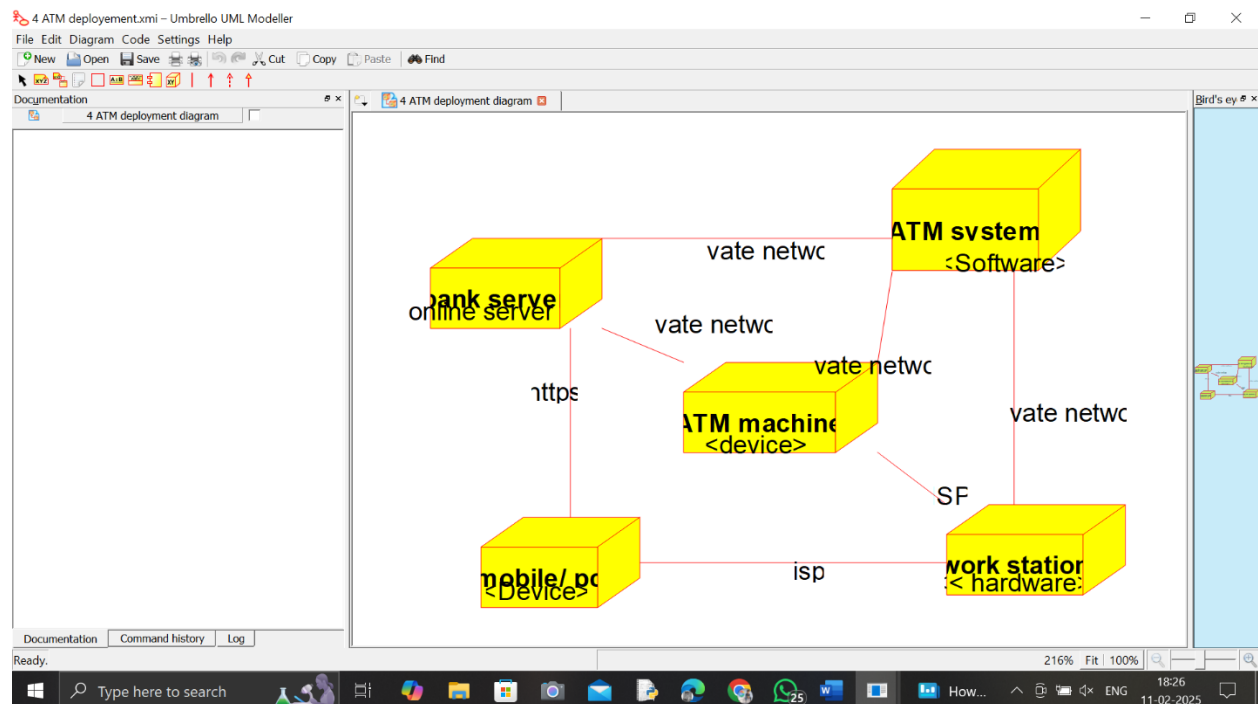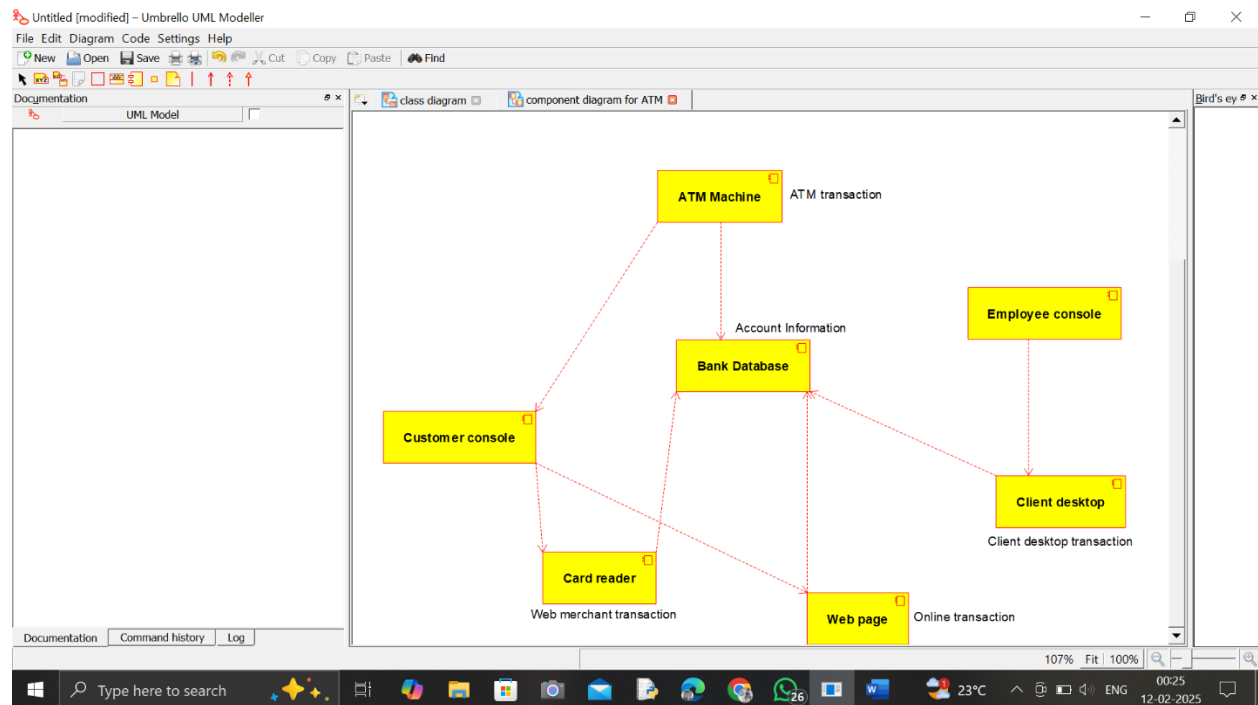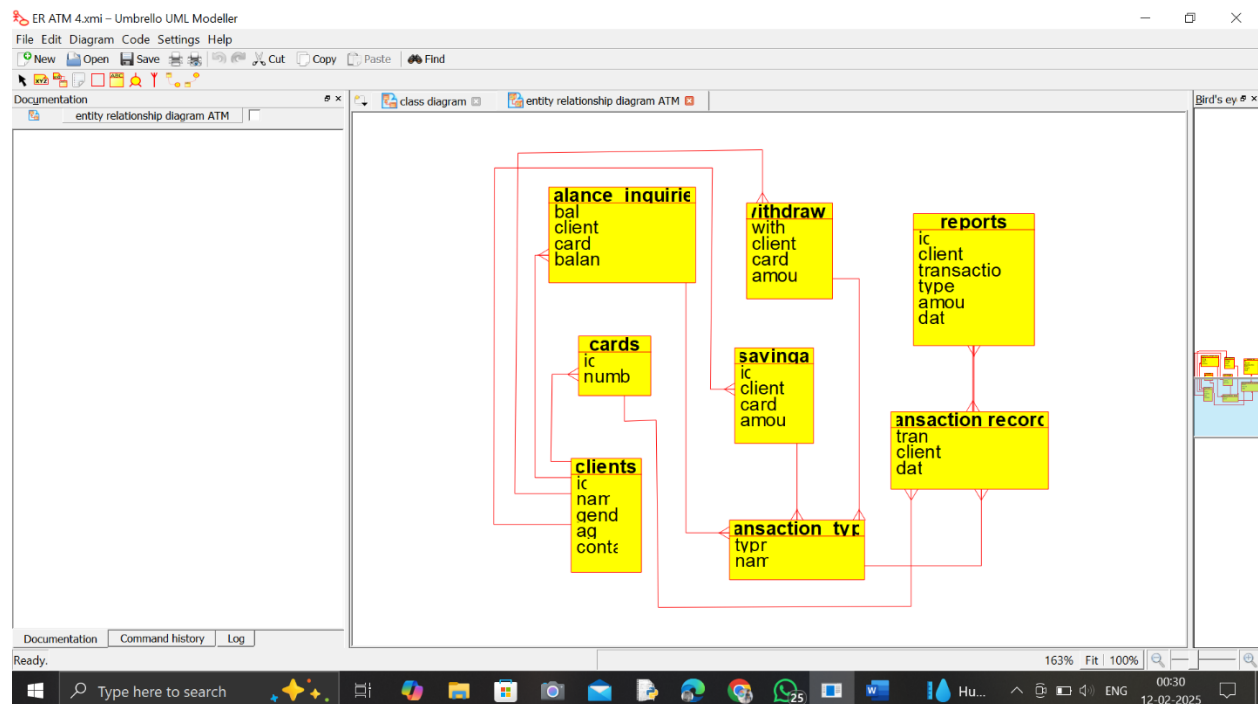

STATE DIAGRAM:

SEQUENCE DIAGRAM:

DEPLOYMENT DIAGRAM:

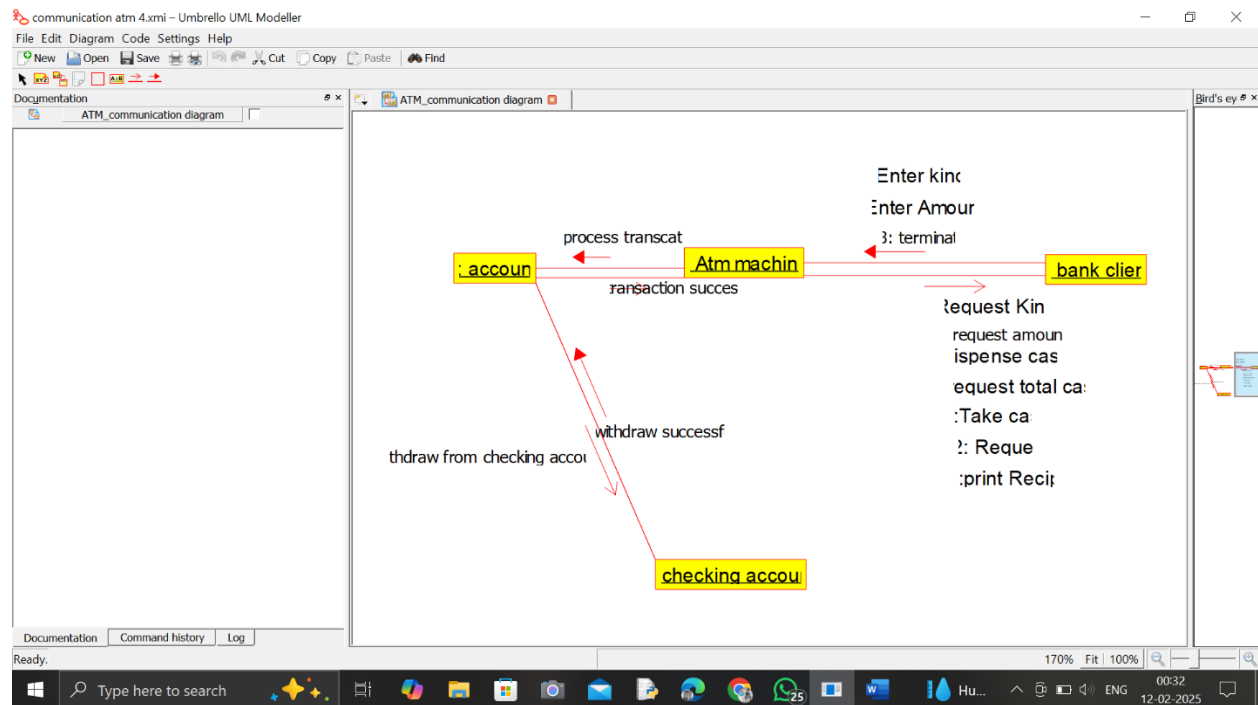# COMPONENT DIAGRAM:

ER DIAGRAM:

COMMUNICATION DIAGRAM:

RESULT:

The ATM Banking System enables customers to perform transactions like cash withdrawals, deposits, and fund transfers, while the Banking System processes these requests securely. Administrators manage user accounts, and Technicians maintain ATM hardware and software for seamless operations.