

## Exercise 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.

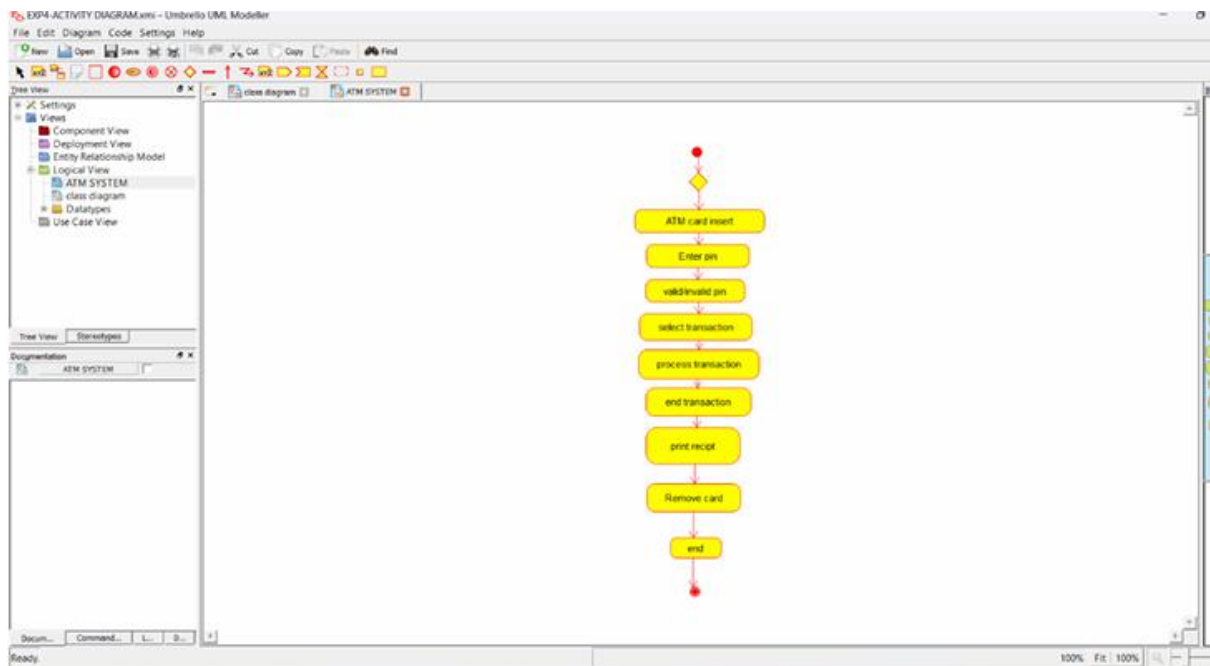
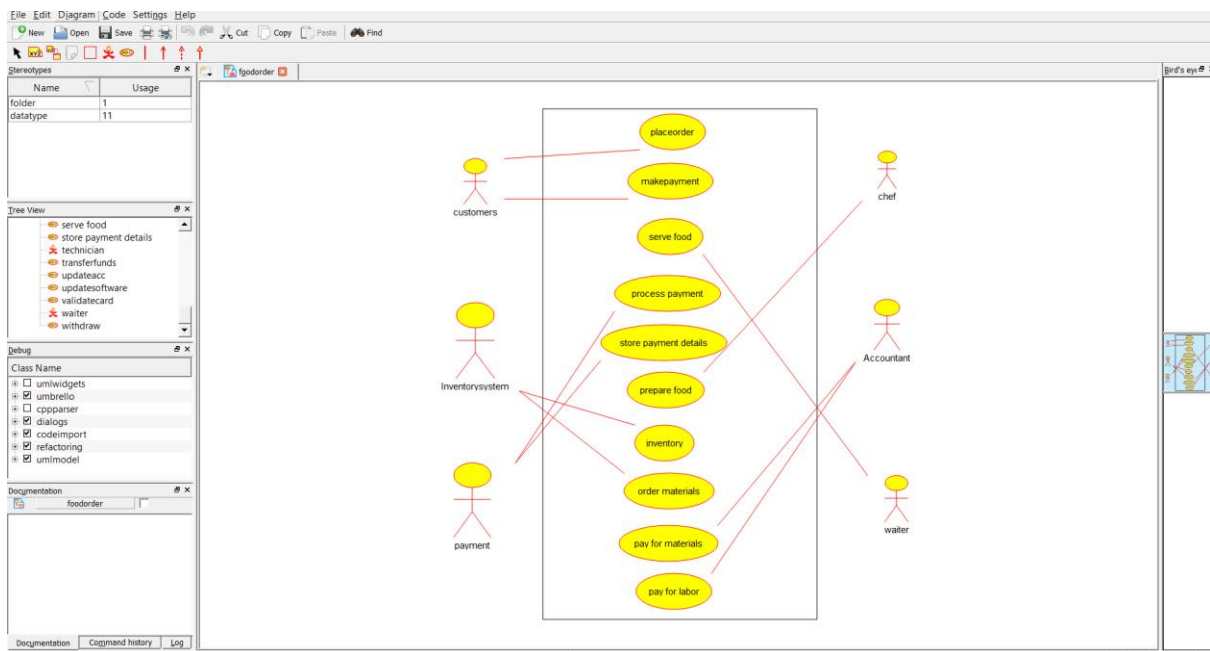
## Aim

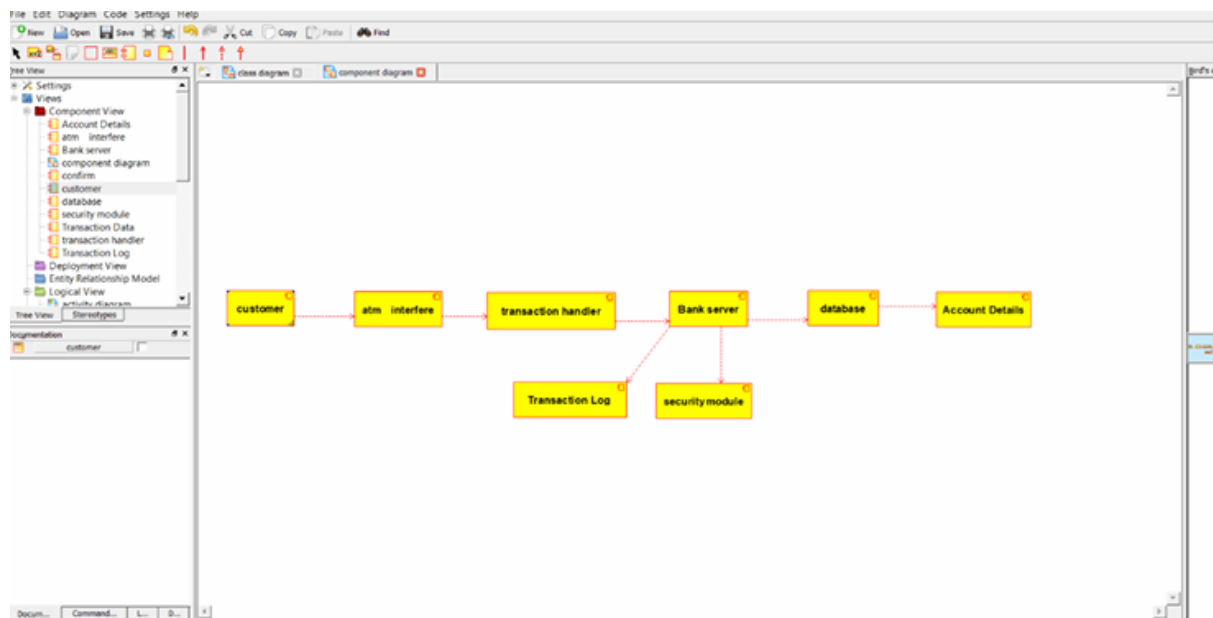
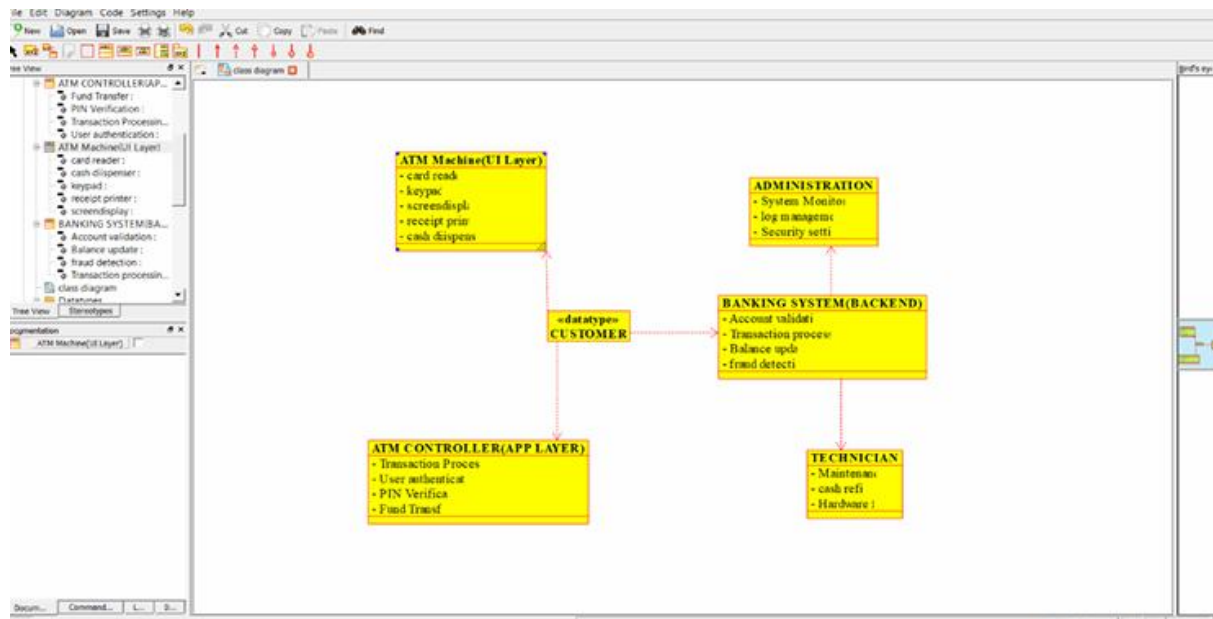
To analyze and design a Hospital Reception System, outlining key functionalities performed by hospital receptionists to manage patient interactions, appointments, and hospital admissions.

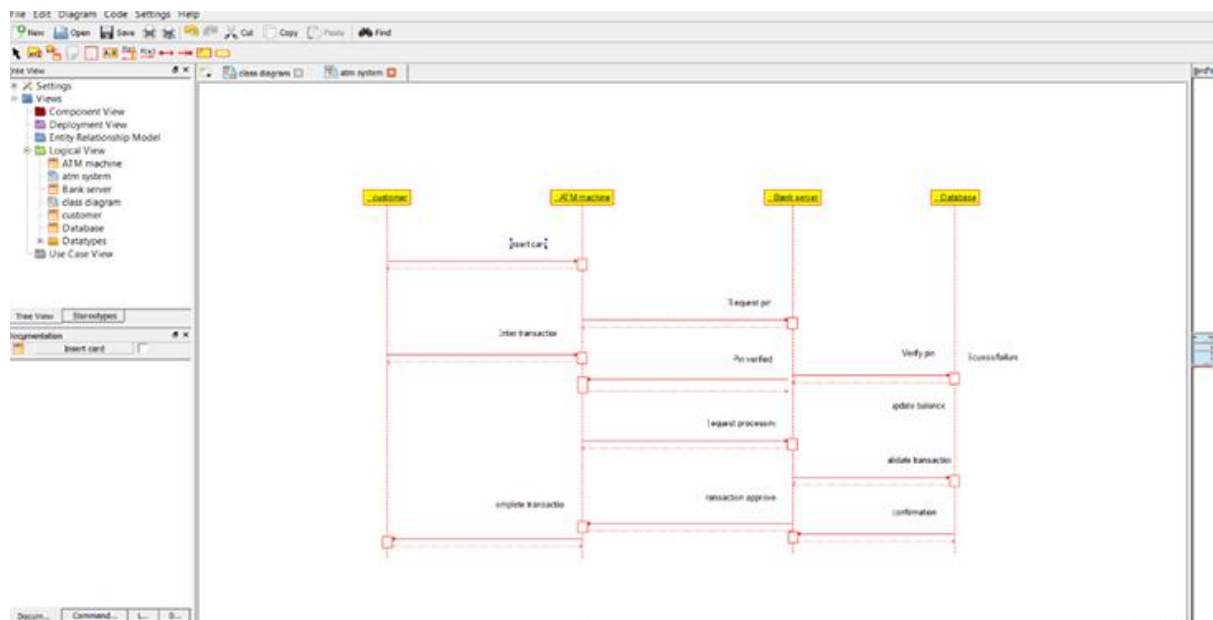
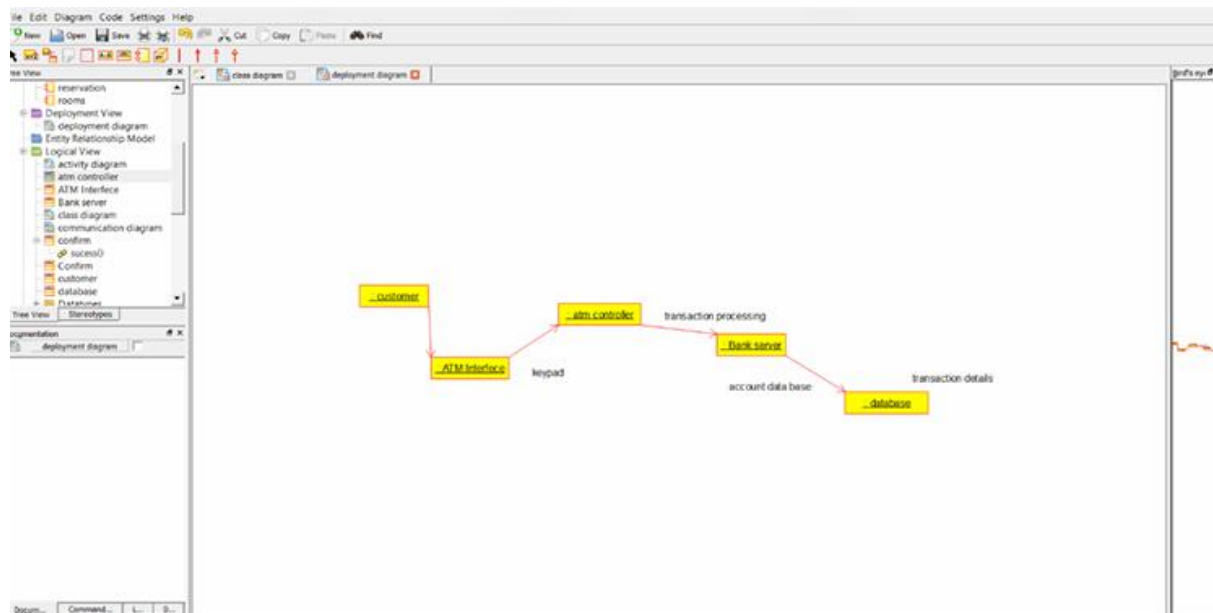
## Procedure

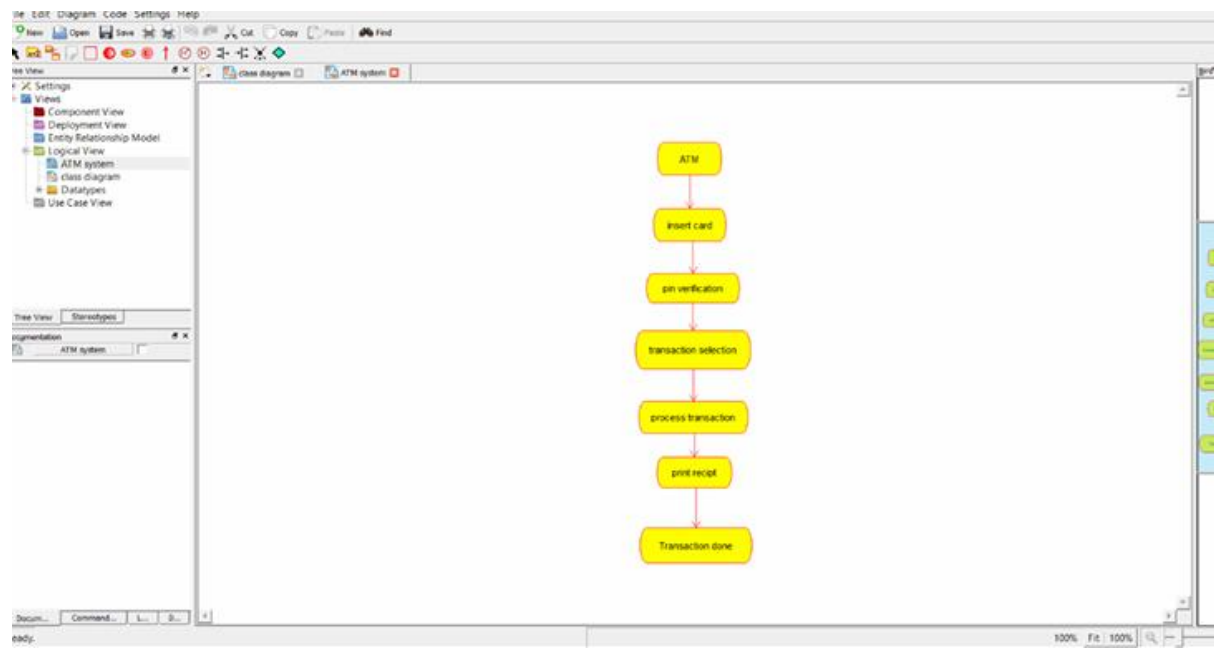
1. **Identify Key Functions** – Define core reception services, including Appointment Scheduling, Patient Registration, Bed Allotment, Payment Processing, and Insurance Handling.
2. **Define Appointment Scheduling Process** – Manage patient appointments by booking, rescheduling, or canceling them via phone or in person.
3. **Manage Patient Admission & Registration** – Collect and verify patient details, documents, and record them in the hospital system.
4. **Assign Beds for Inpatients** – Allocate hospital beds in appropriate wards based on availability and patient condition.
5. **Handle Payment & Billing** – Process payments, generate receipts, record transactions, and manage insurance claims when applicable.
6. **Maintain Medical Records & Reports** – Ensure accurate storage of patient information, doctor's prescriptions, and treatment history.
7. **Review and Optimize** – Streamline workflows, enhance data handling, and improve system integration for greater efficiency.

## Output









## Result

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