Experiment -1

Draw a UML diagram for the hotel reservation system. In a hotel reservation system, a customer can make online booking for a hotel, by specifying the accommodation requirements such as type of room (AC/Non-AC, One bed/two bed), total no of rooms, duration of stay. The system selects a suitable hotel as per customer's requirements. If a hotel is found then the availability of rooms in that hotel is checked. The charges are calculated for the selected requirement and these are acknowledged to the customer. If the customer is satisfactory about the selection made by the system, then he confirms the reservation.
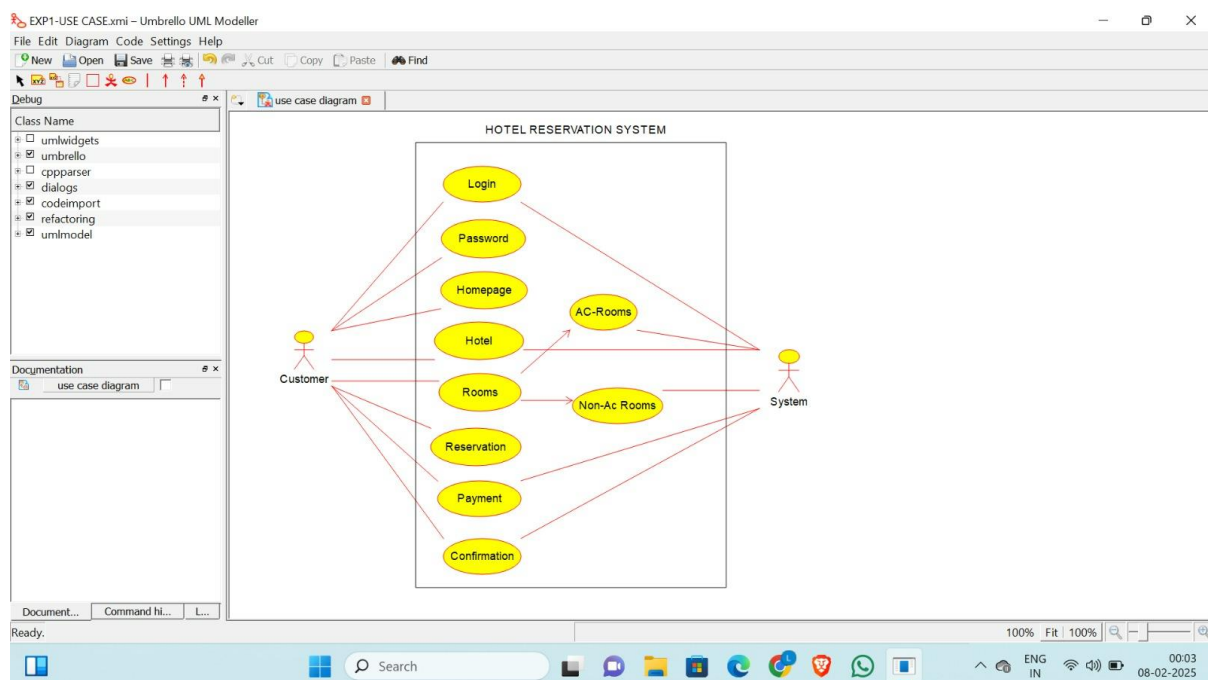
Aim

To design a UML diagram for a **Hotel Reservation System** that allows customers to book hotel rooms online by specifying accommodation preferences. The system processes these requirements, selects a suitable hotel, checks room availability, calculates charges, and allows the customer to confirm the reservation**.**
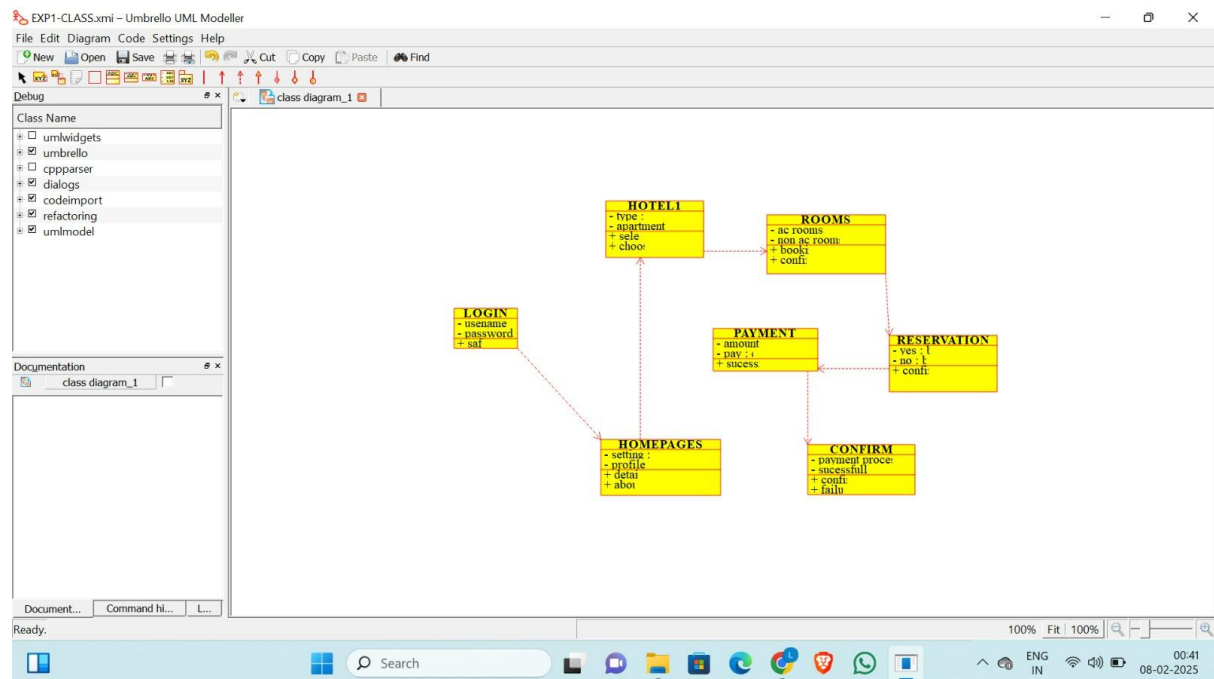
Procedure

1: Recognize the needs of the system.
2. Determine important players and organizations.
3. To illustrate system interactions, draw a use case diagram.
4. Create a class diagram to define the structure of the system.
5. Create a sequence diagram to illustrate the flow of interactions.
6. Create diagrams using Umbrello, a UML tool.
7. Check the schematics for correctness by reviewing and finalizing them.
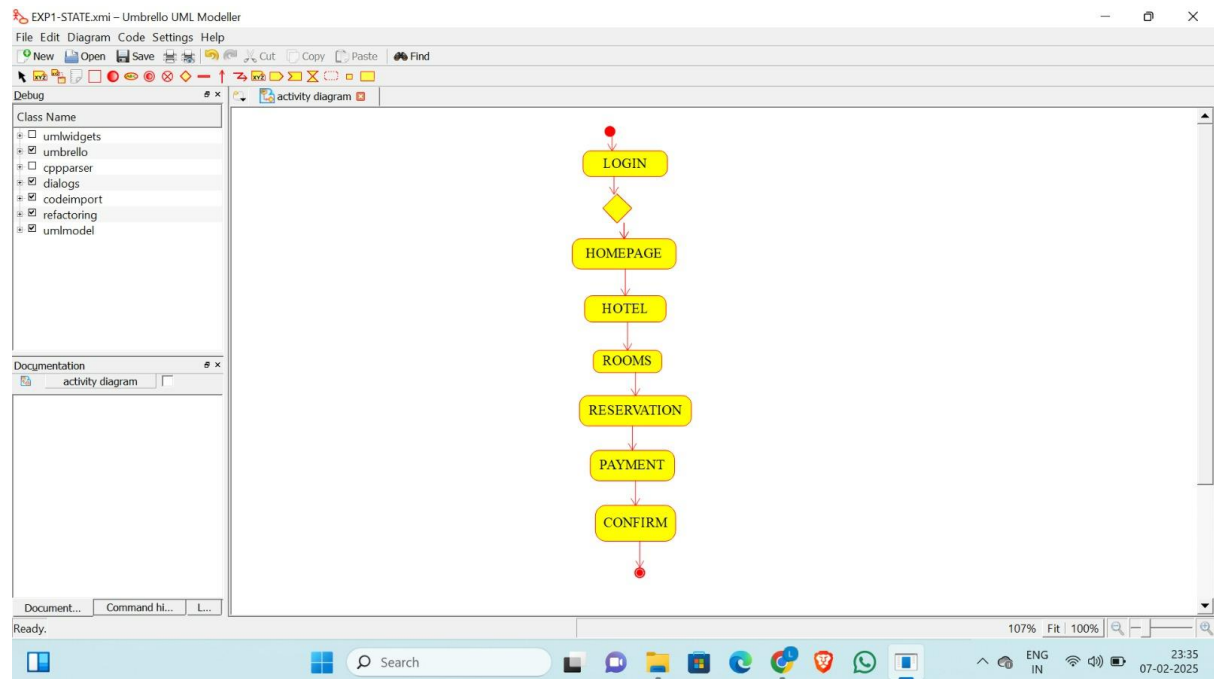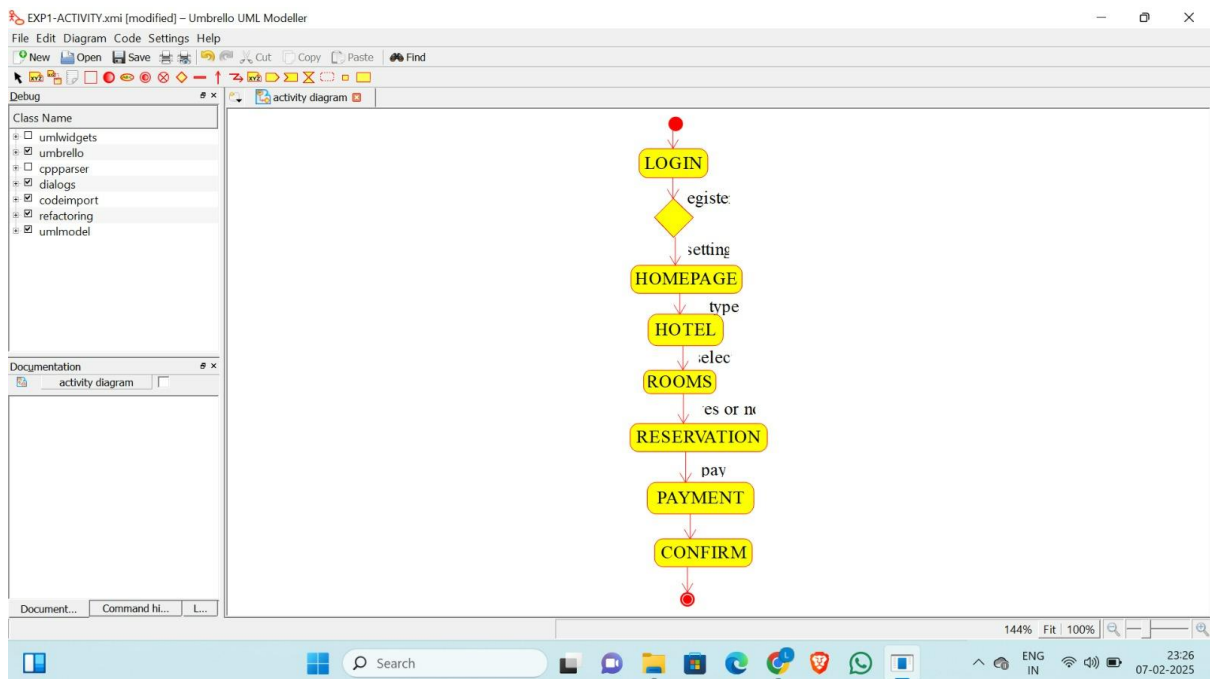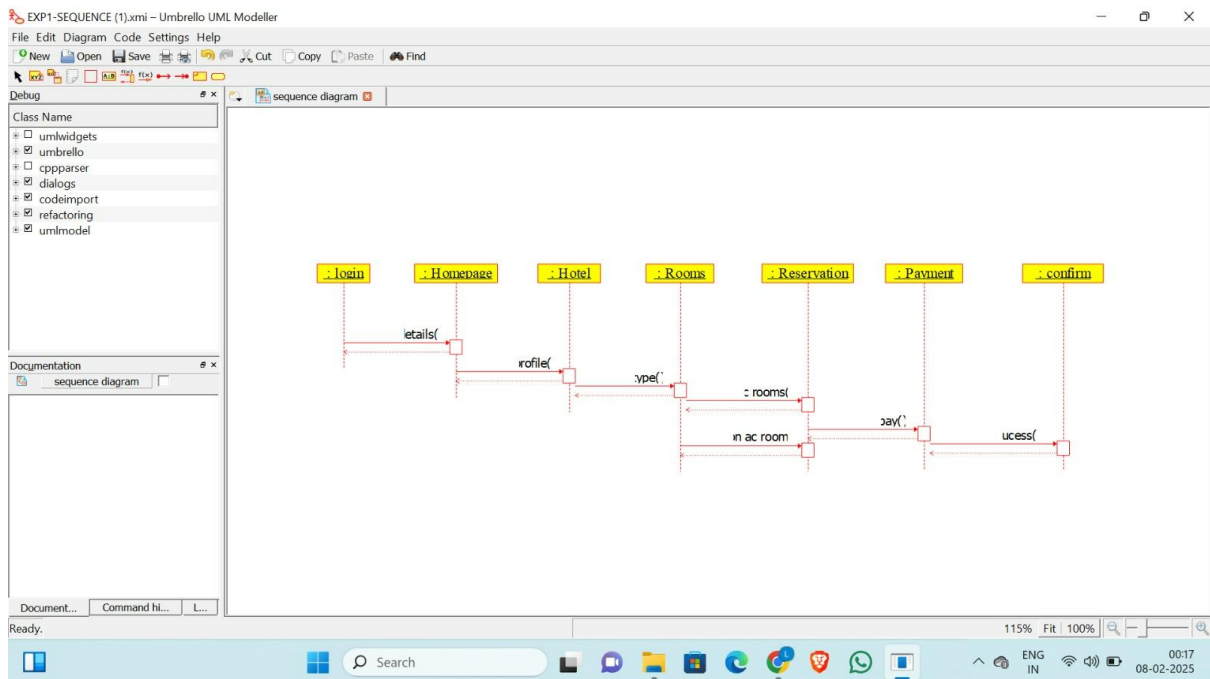
USECASE DIAGRAM

CLASS DIAGRAM
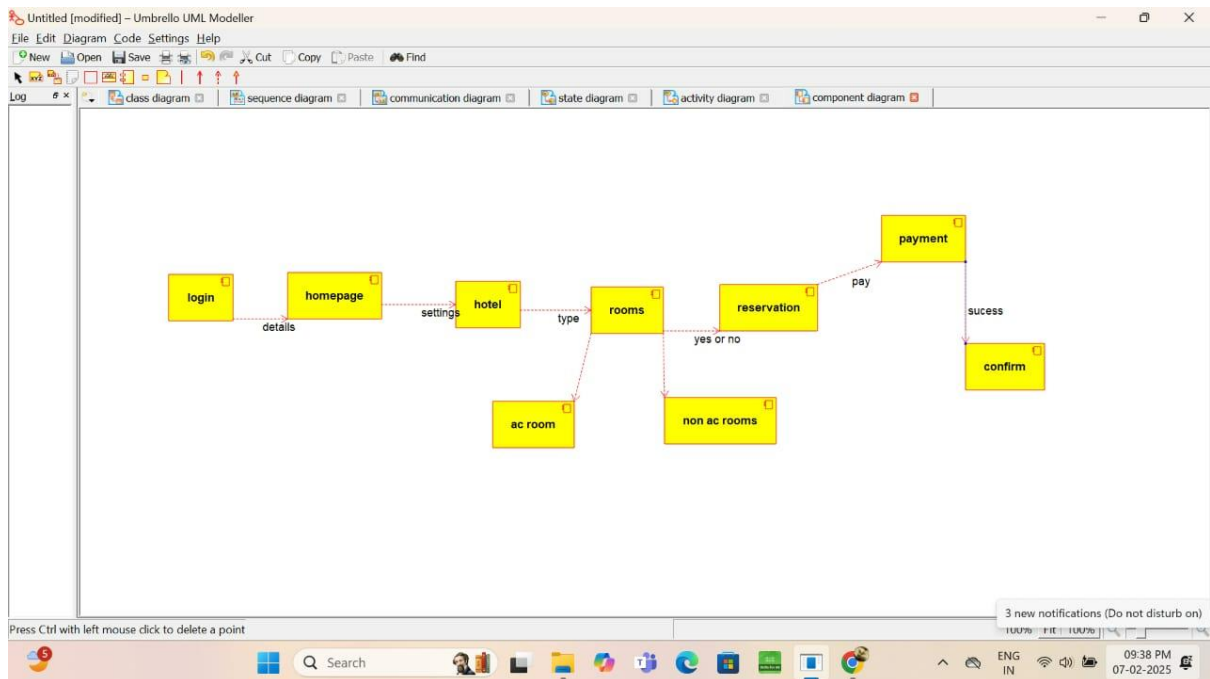

STATE DIAGRAM
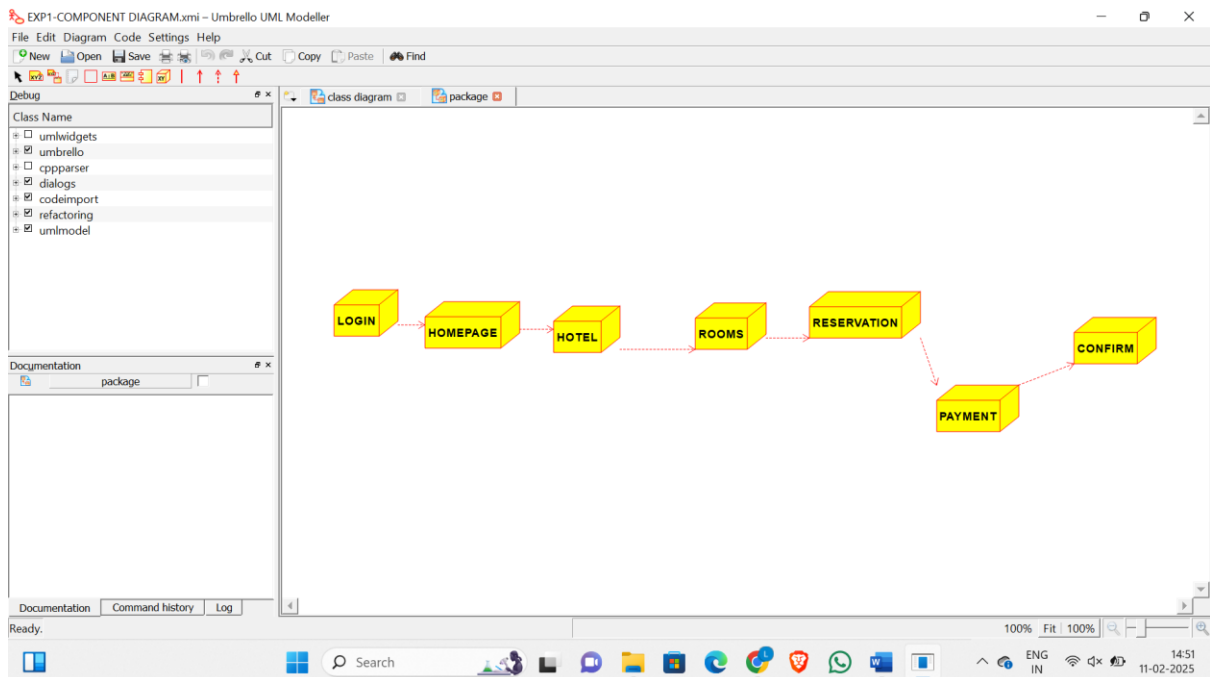
ACTIVITY DIAGRAM

SEQUENCE DIAGRAM

DEPLOYMENT DIAGRAM

COMPONENT DIAGRAM

Result

A UML diagram for the Hotel Reservation System has been effectively created, illustrating system components and their interactions for smooth online booking.