

Draw a UML diagram for 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

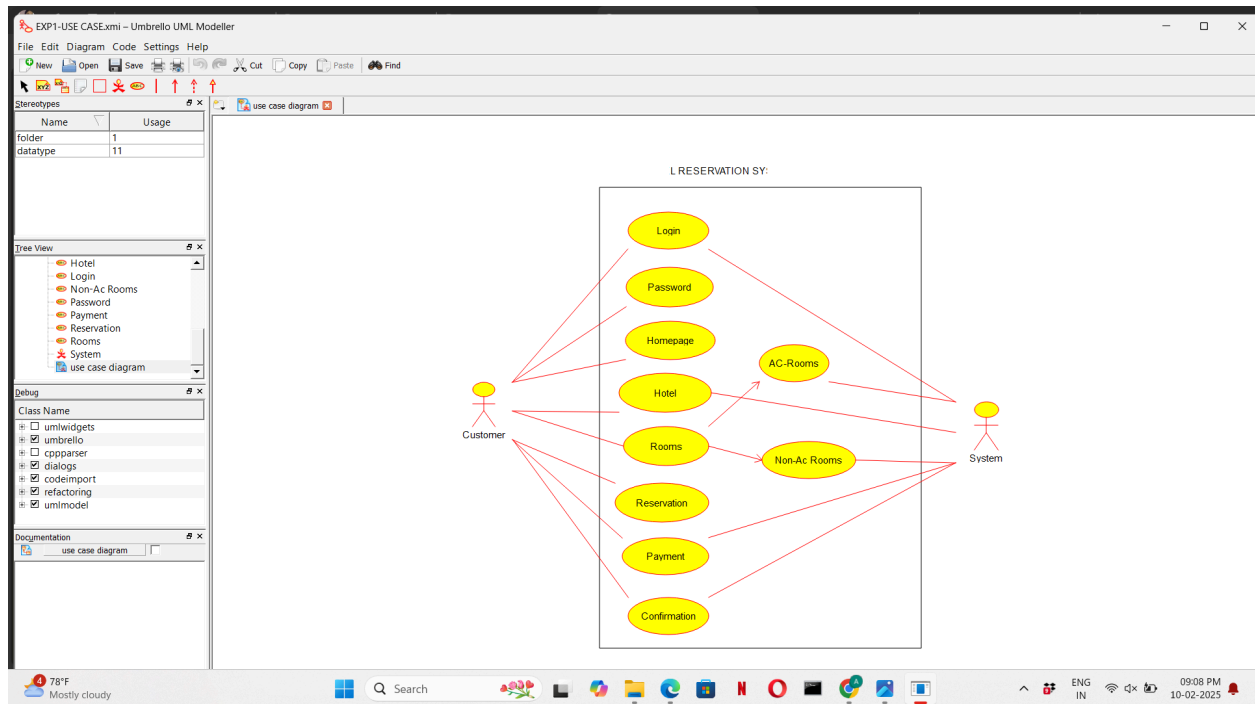
To create a UML Use Case Diagram and Class Diagram for a Hotel Reservation System that enables customers to book hotels online by selecting their accommodation preferences. The system verifies room availability, computes charges, and finalizes the reservation upon customer confirmation.

PROCEDURE

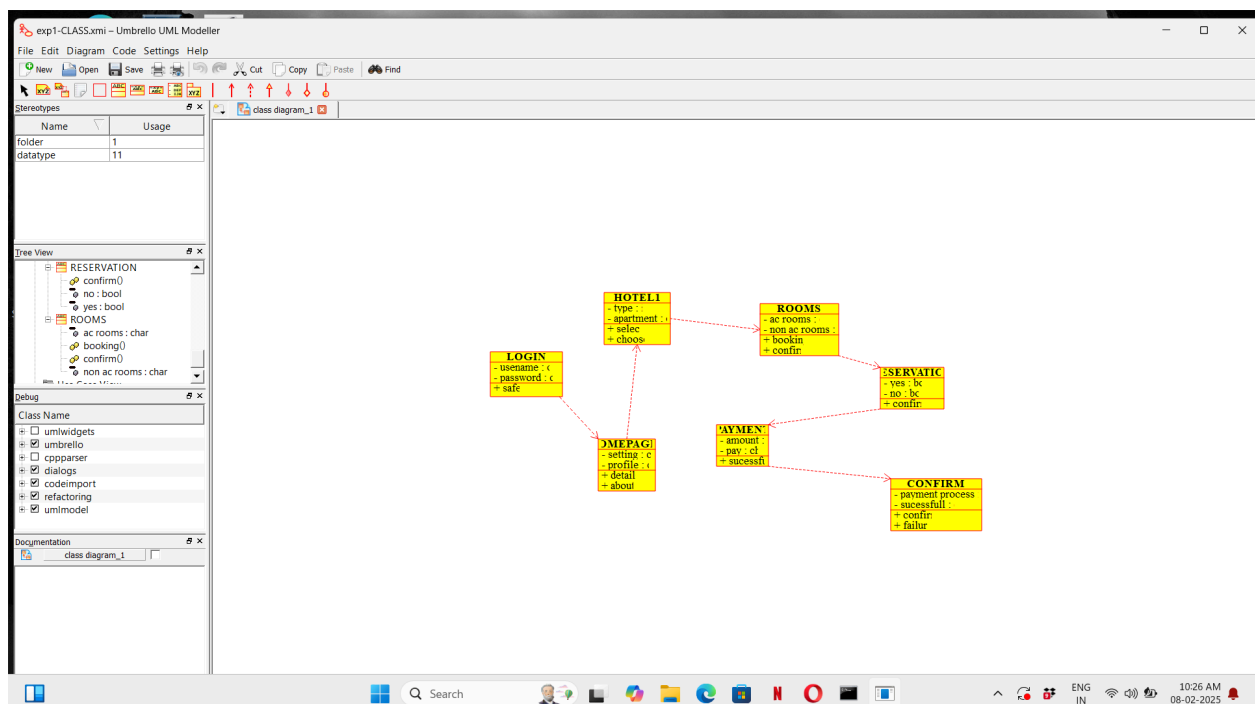
1. Analyze system requirements.
2. Identify actors and entities.
3. Draw a Use Case Diagram for interactions.
4. Design a Class Diagram for structure.
5. Create a Sequence Diagram for process flow.
6. Use Umbrello UML for modeling.
7. Validate and finalize diagrams.

DIAGRAM

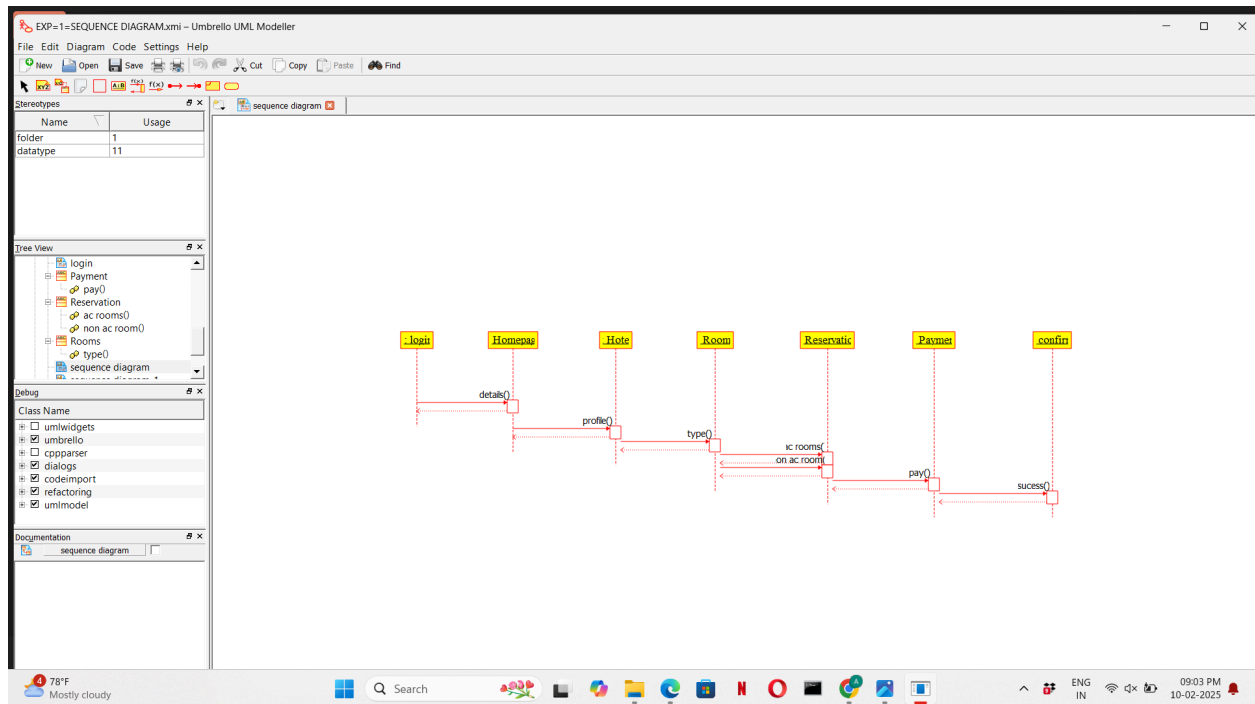
USE CASE DIAGRAM



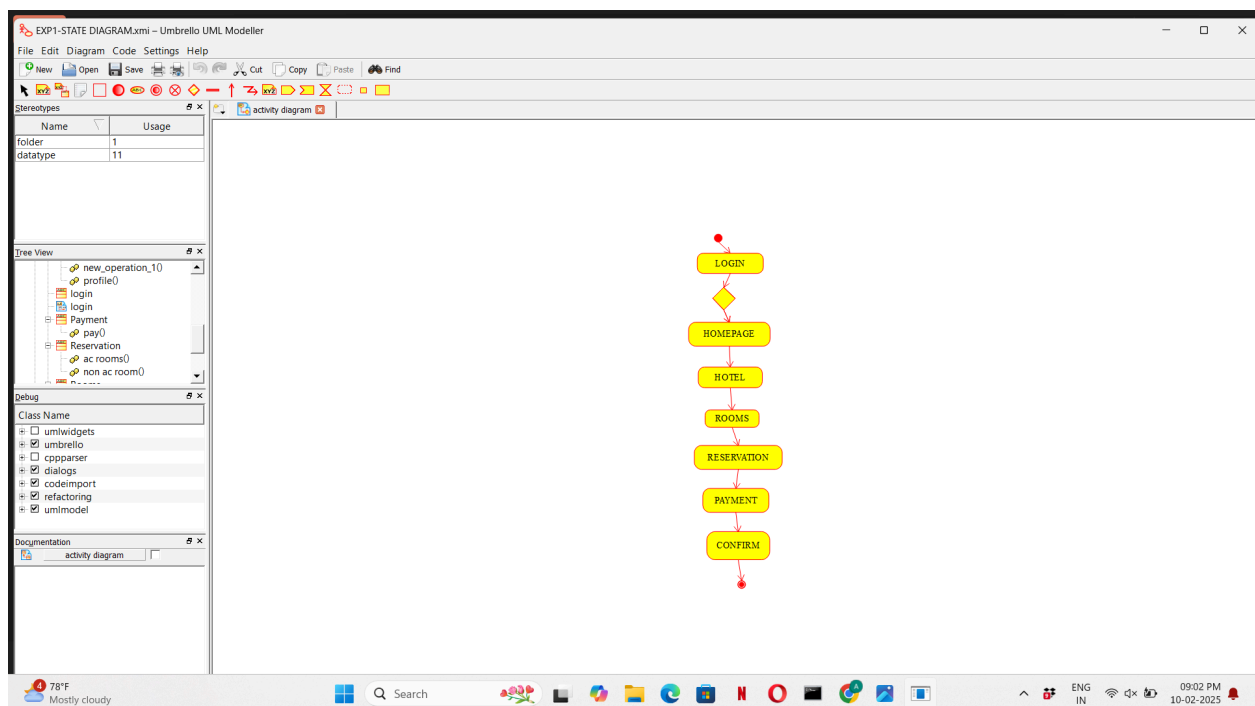
CLASS DIAGRAM



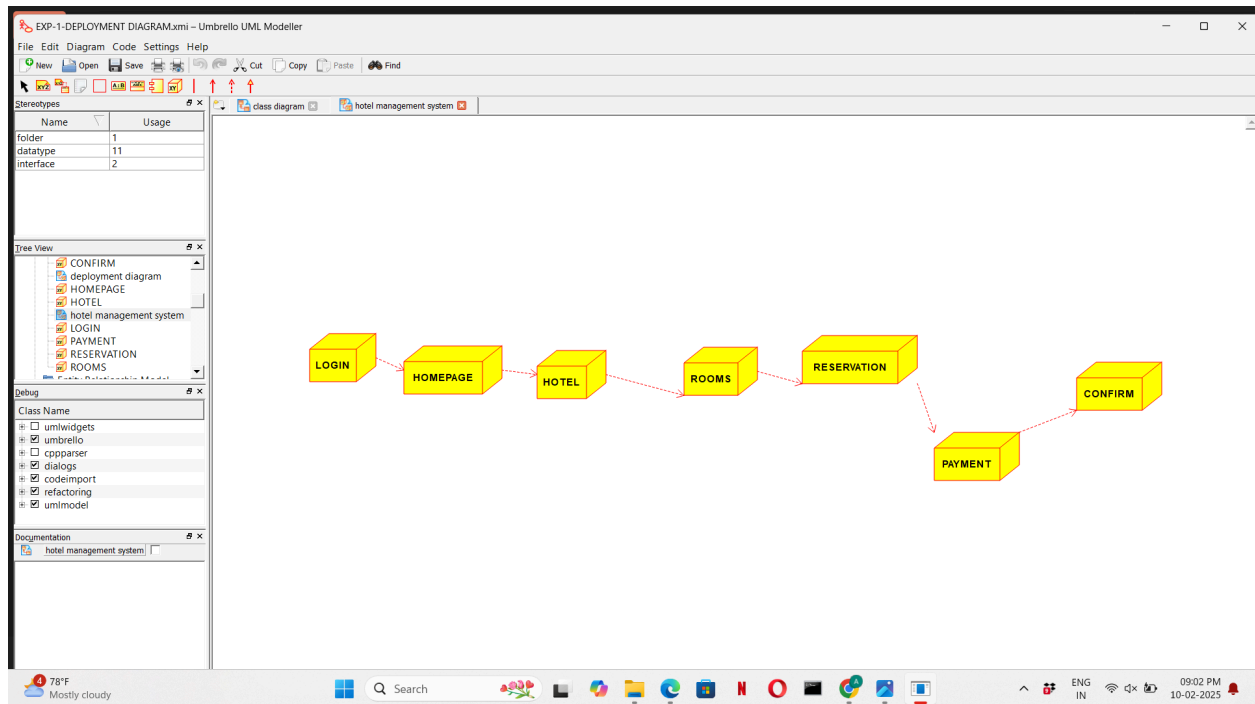
SEQUENCE DIAGRAM



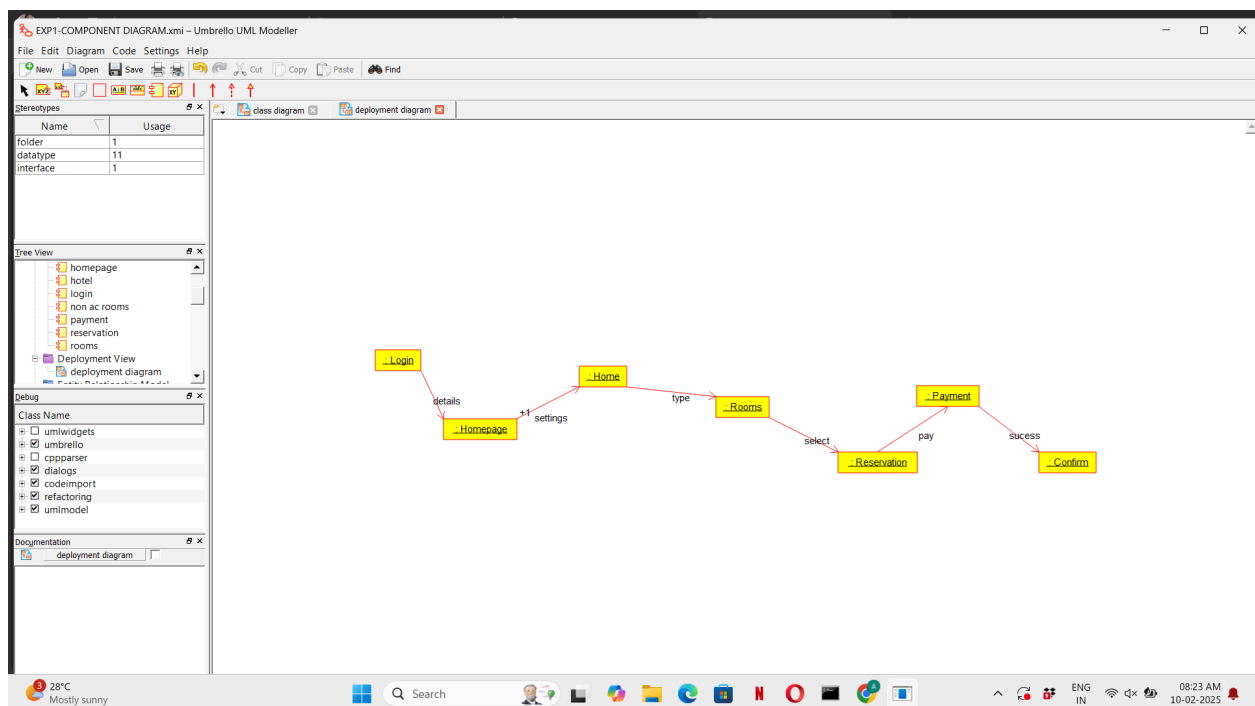
STATE DIAGRAM



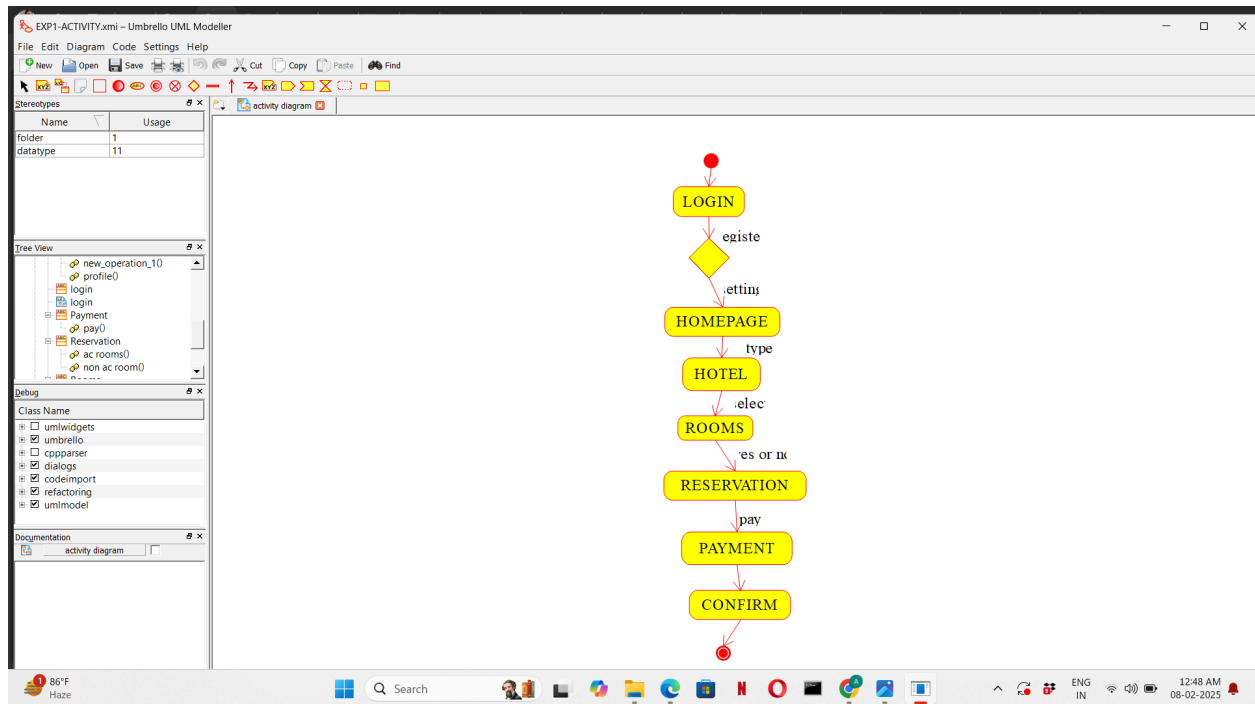
DEPLOYMENT DIAGRAM



COMPONENT DIAGRAM



ACTIVITY DIAGRAM



RESULT

To create a UML Use Case Diagram and Class Diagram for a Hotel Reservation System has been successfully designed.