PROGRAMS:

1. 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.
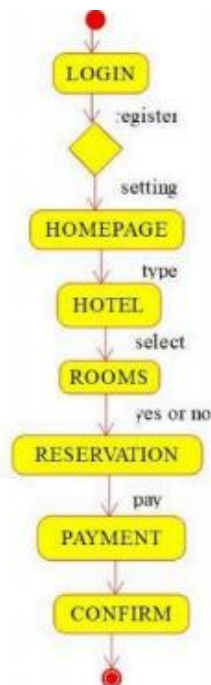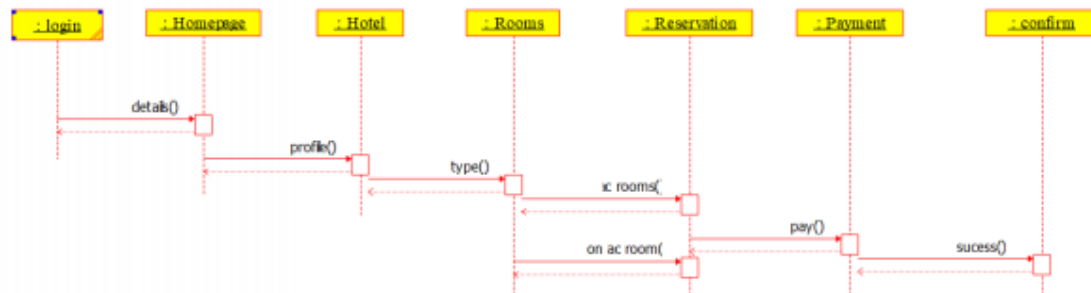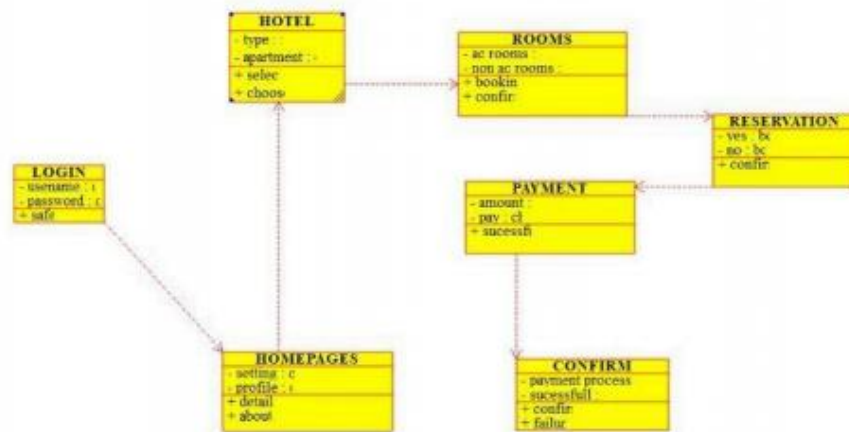
AIM:

To design a UML Use Case Diagram for a Hotel Reservation System that models the interactions between customers and the system to facilitate online hotel booking, room selection, and reservation confirmation.
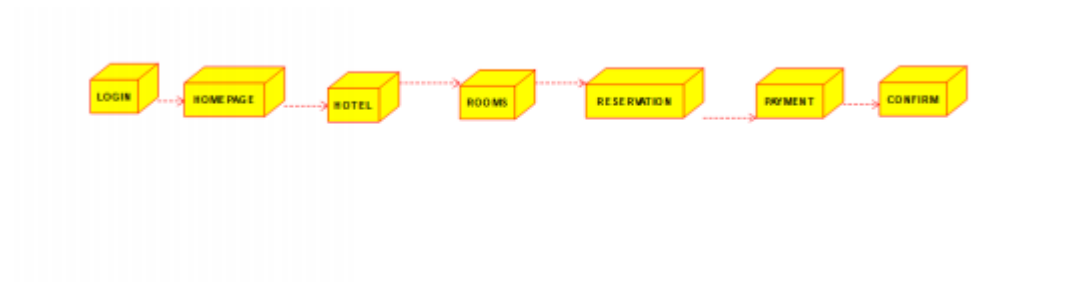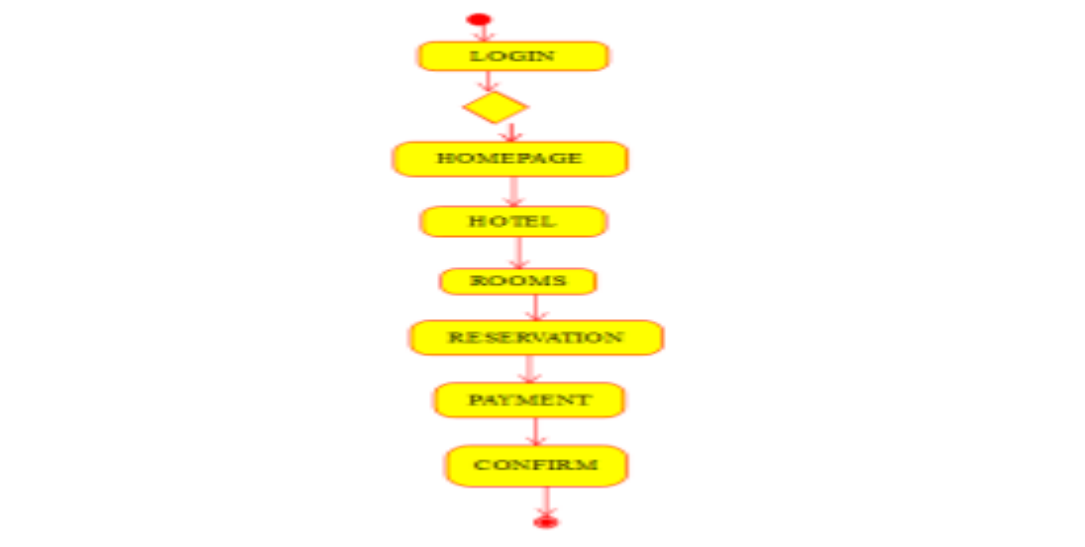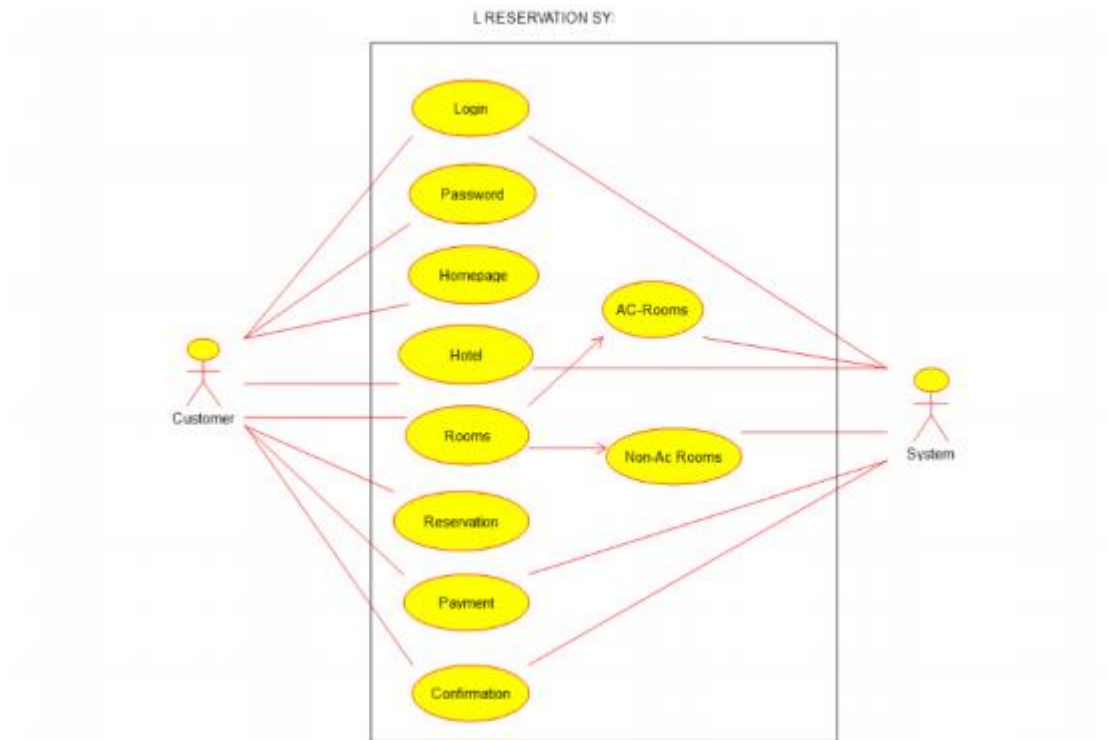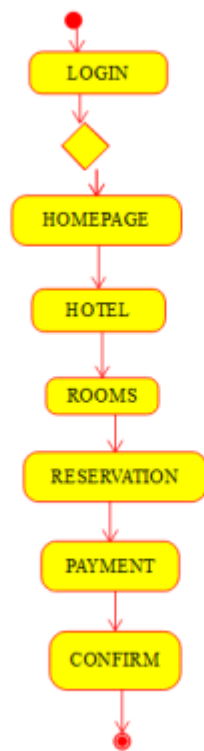
PROCEDURE :

STEP 1:	Open UML modeling software such as Umbrello, StarUML, or PlantUML.
STEP 2:	Identify the main actors involved in the system
STEP 3:	Define the use cases that each actor performs
STEP 4:	Draw actors as stick figures and use cases as ovals in the UML tool.
STEP 5:	Connect actors to their respective use cases using association lines**.**
STEP 6:	Ensure the diagram clearly represents how actors interact with the system.
STEP 7:	Save and export the UML diagram for documentation.

OUTPUT:

Class Diagram

Sequence Diagram

L RESERVATION SY:

Login

Password

Homepage

AC-Rooms

Hotel

Customer

Rooms

Non-Ac Rooms

System

Reservation

Payment

Confirmation

LOGIN

HOMEPAGE

HOTEL

ROOMS

RESERVATION

PAYMENT

CONFIRM

LOGIN → HOMEPAGE → HOTEL → ROOMS → RESERVATION → PAYMENT → CONFIRM

RESULT: The Use Case Diagram for the Hotel Reservation System was successfully created, depicting the interactions between the Customer and Hotel System to facilitate booking, room selection, availability checking, and reservation confirmation.