3) Make an Online Airline Reservation System. The activities of the Online Airline Reservation system are listed below user, admin, LOGIN, MANANGE CLASSES, MANANGE WAITING LIST, MANAGE HOLDS, MANAGE DEADLINES, LOGOUT, using this has a step-by-step process draw a CLASS diagram
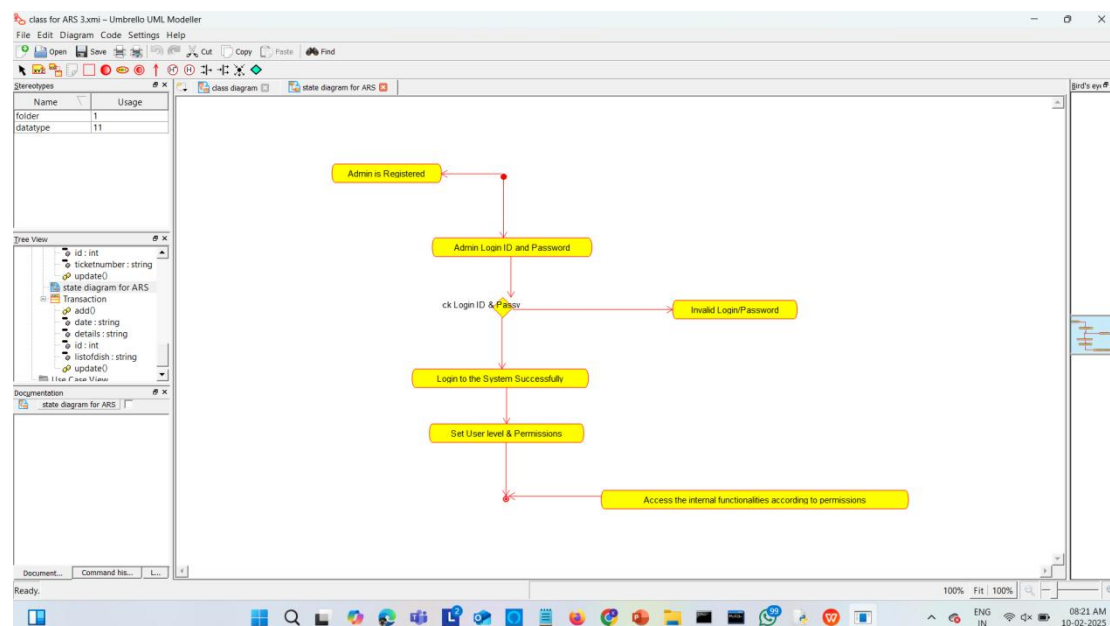
AIM:To design a class diagram for an Online Airline Reservation System, modeling user and admin interactions and key system functionalities such as managing classes, waiting lists, holds, deadlines, and user sessions.
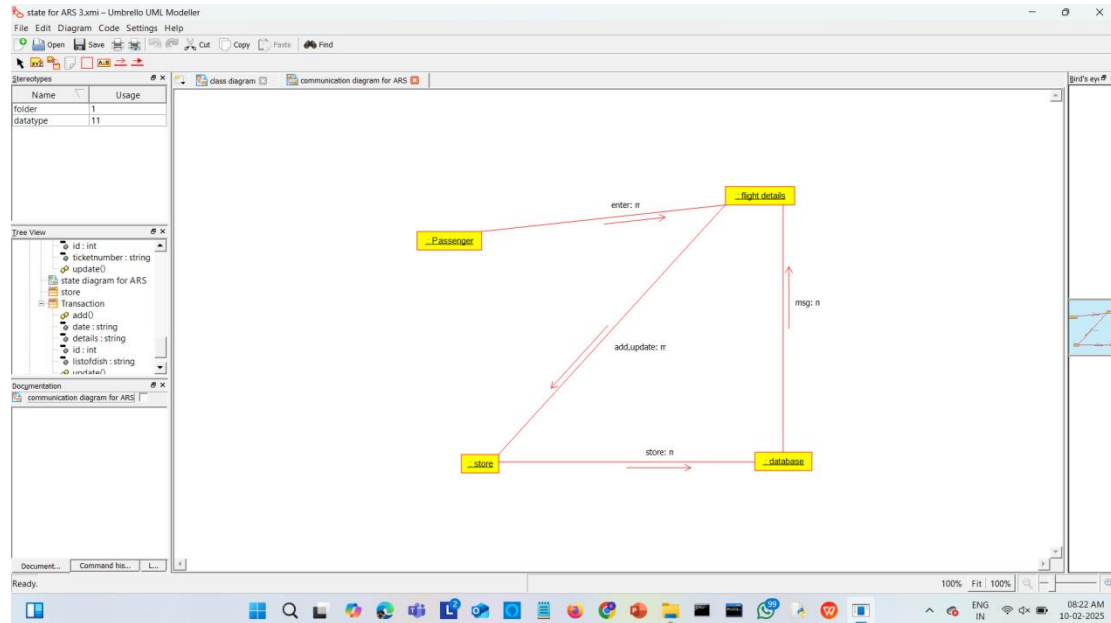
Procedure:

- Identify key classes: User, Admin, Reservation, Flight, Class, WaitingList, Hold, and Deadline.
- Define attributes and operations for each class based on their roles in the system.
- Establish relationships between classes, such as User makes Reservation, and Admin manages Flight.
- Model associations, including aggregation between Flight and Class and composition between Flight and Reservation.
- Specify multiplicities to indicate cardinalities (e.g., one flight having multiple reservations).
- Draw the class diagram with classes as boxes showing attributes and operations.
- Label associations clearly and ensure diagram accuracy following UML conventions.

UML Diagrams:

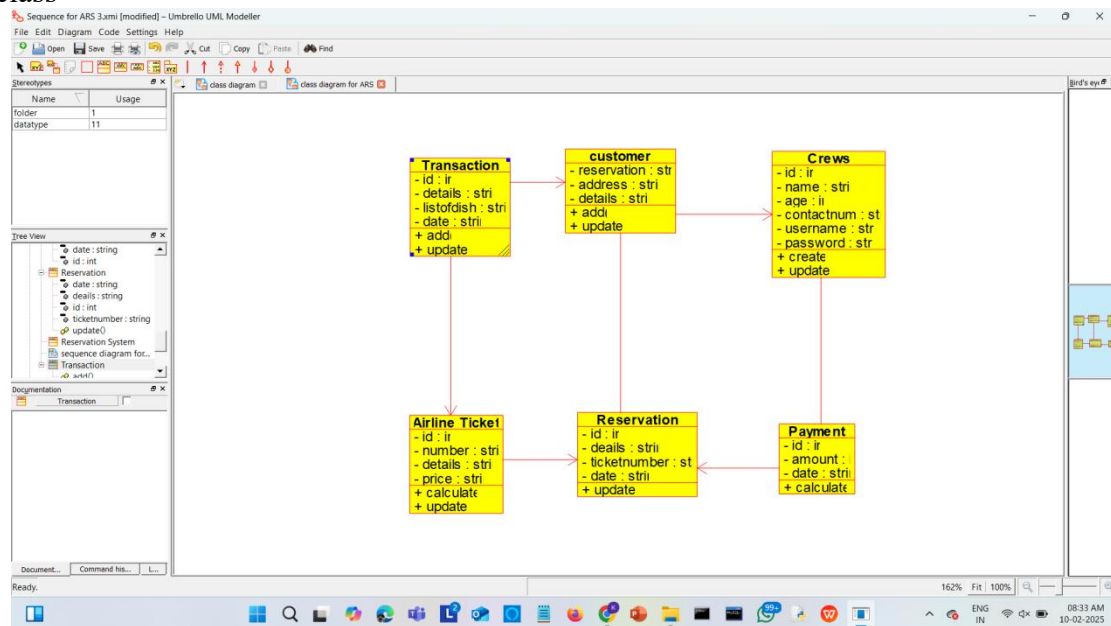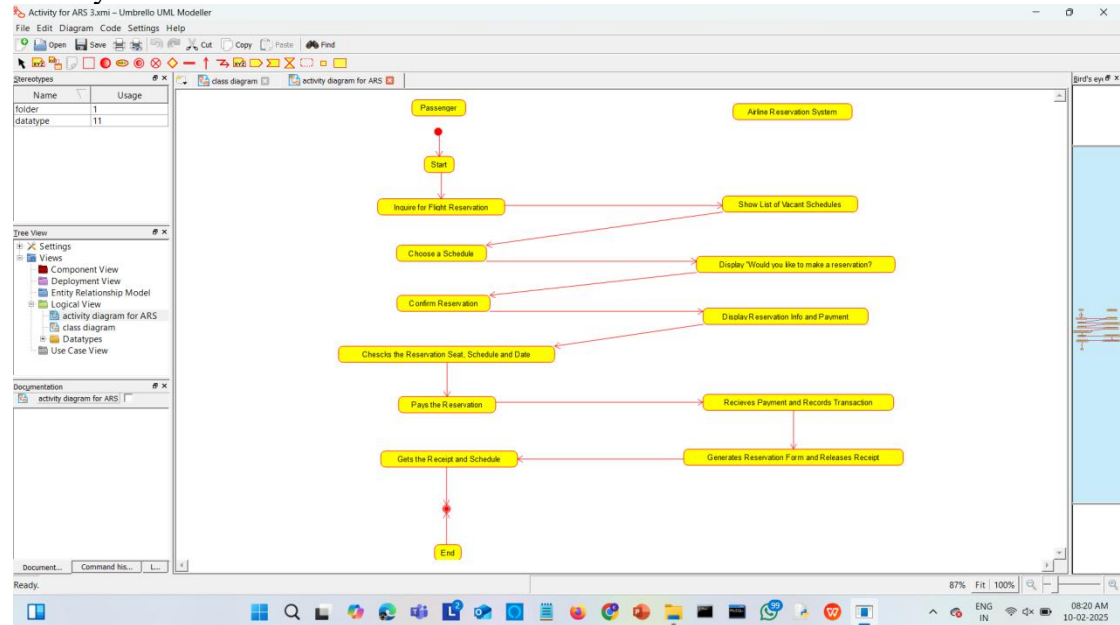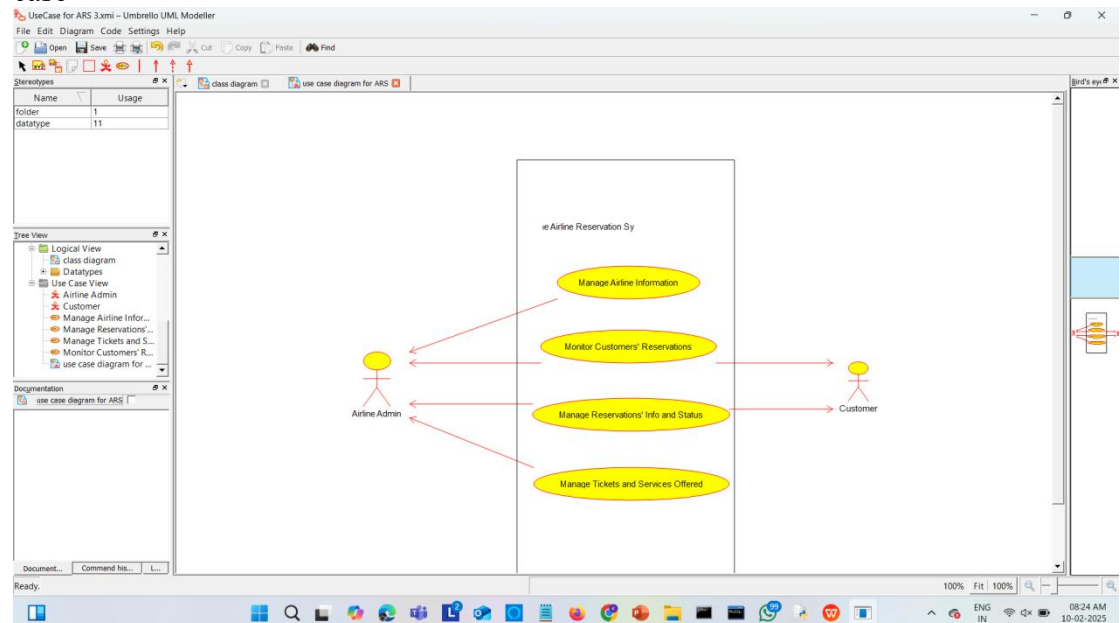State diagram

Communication

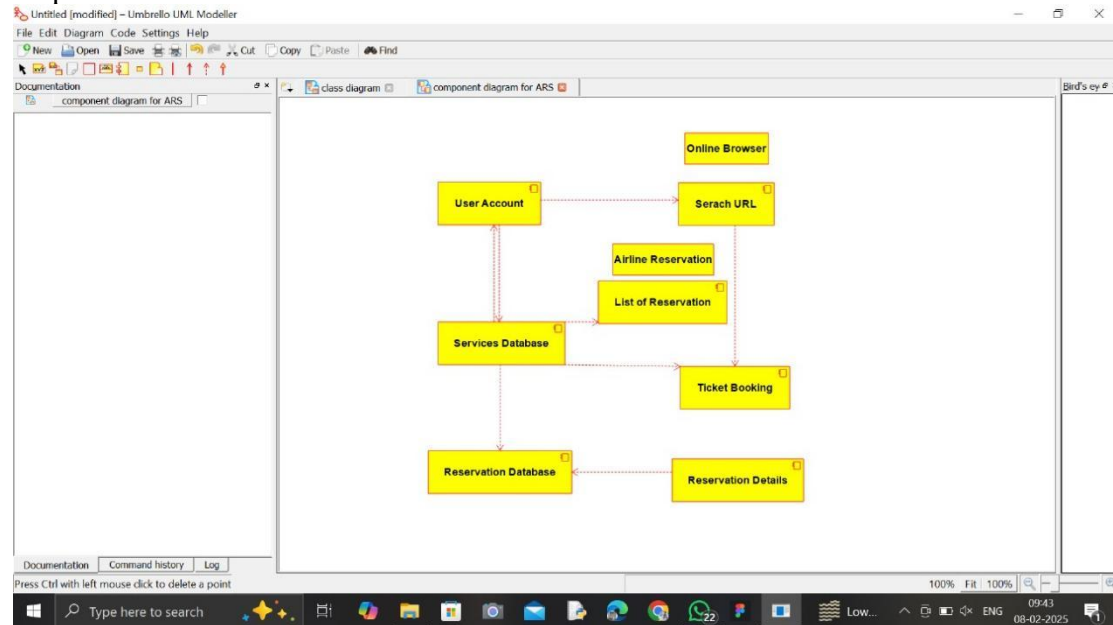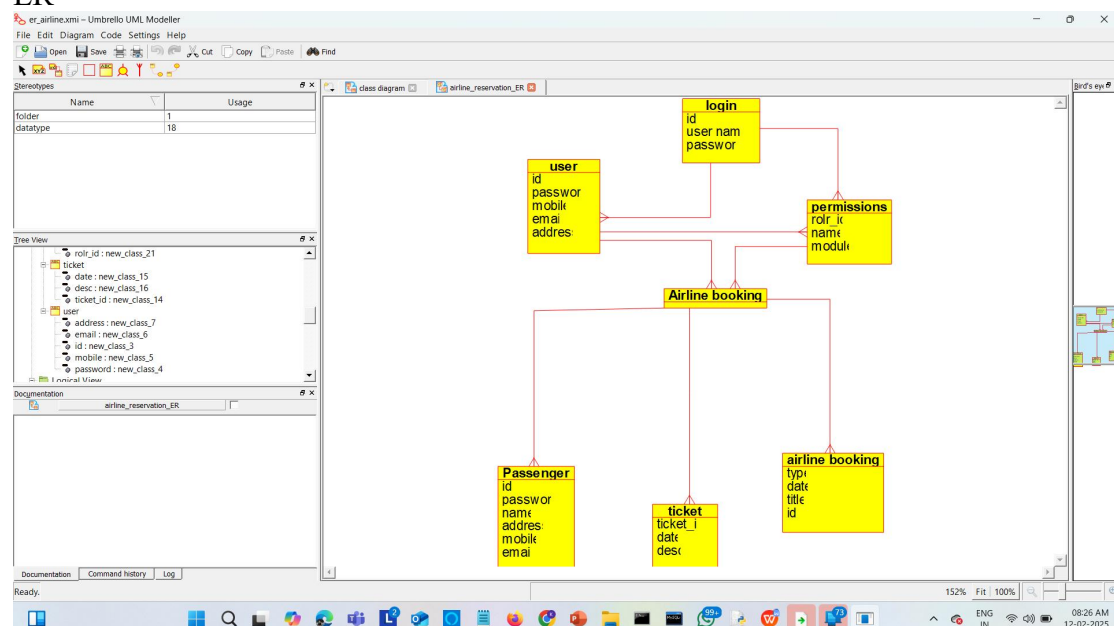
class

activity

Use
case

Sequence

Deployement

component

ER

Result :

The UML diagram for the Online Airline Reservation System was successfully
developed, showing class structures, attributes, operations, and relationships to
represent user and admin activities effectively.