Experiment:3

Make an Online Airline Reservation System. The activities of the Online Airline Reservation system are listed below user, admin, LOGIN, MANAGE CLASSES, MANAGE WAITING LIST, MANAGE HOLDS, MANAGE DEADLINES, LOGOUT, using this has a step-by-step process draw a CLASS diagram.
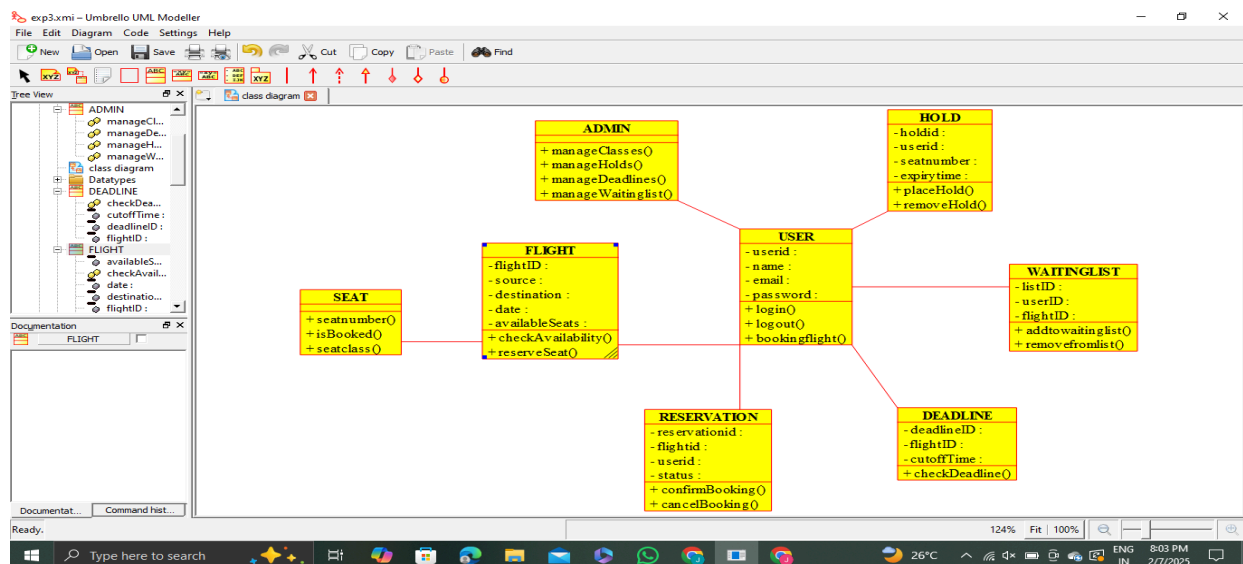
Aim:

To design a Class Diagram for an Online Airline Reservation System, modeling the relationships and interactions between users, admin, and system functionalities.

Procedures:

1. Identify key classes: User, Admin, Reservation, Flight, Payment, and System Management.
2. Define attributes and methods for each class, such as login(), bookFlight(), manageWaitingList().
3. Establish relationships like associations, generalizations, and dependencies between classes.
4. Use appropriate multiplicities to indicate relationships between classes.
5. Draw the Class Diagram representing all classes, attributes, methods, and associations.

Class Diagram:

Result:

The Class Diagram for the Online Airline Reservation System visually represents the relationships between users, admin, and system functionalities like reservations, class management, waiting lists, and deadlines.