CSA4001-MANAGEMENT INFORMATION SYSTEM FOR DATA OPTIMIZATION

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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.
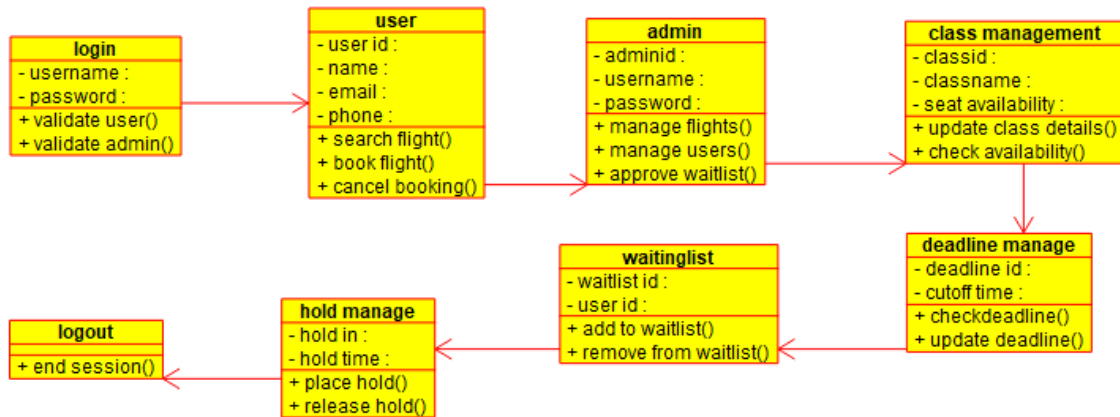
Aim:

To design an Online Airline Reservation System using Object-Oriented Modeling (UML), focusing on user and admin activities such as managing flights, reservations, waiting lists, holds, and deadlines.

Procedure:

1. Identify key entities such as User, Admin, Flight, Reservation, Waiting List, and Holds.
2. Define relationships between entities, including associations, inheritance, and dependencies.
3. Assign attributes and methods to each class based on system functionalities.
4. Establish interactions for login, flight management, reservations, waiting lists, and holds.
5. Draw the class diagram using UML notation, showing associations and multiplicity.
6. Validate the diagram to ensure it meets the system requirements.

Output:

CLASS DIAGRAM:

login		user		admin		class management

RESULT:

The Online Airline Reservation System class diagram successfully represents the key entities and their interactions, including users, admins, flights, reservations, waiting lists, and holds. It clearly defines the relationships, attributes, and methods necessary for booking, managing classes, handling waiting lists, and enforcing deadlines.