Req 1: Booking Flights

- Users (Passengers) can check for flying tickets, filter by date/location/cost, select and reserve multiple flight tickets within a specified date range, choose from various seating classes, and view available amenities.

Req 2: User Registration and Authentication

- Users (Passengers) should be able to create new accounts securely with their personal information or log in using their credentials (using email/username and password).
- Users (Admins) should be able to manage user accounts, including creating, modifying, and deleting accounts, as well as resetting passwords and managing user roles and permissions.

Req 3: Payment

- Users (Passengers) should be able to pay via various payment methods such as credit/debit cards, digital wallets, and bank transfers, to facilitate secure transactions.

Req 4: Security

- The system must implement security measures to safeguard user data, including encryption of sensitive information and protection against cyber threats.

Req 5: Flight Planning

- Users (air control department) should be able to create a flight plan, add a new flight or delete an existing one. For each flight user should be able to add details (departure and arrival airport coordinates, aircraft details, routes, and estimated time of arrival) and should be able to modify them.

Req 6: Statistical Reports

- Software shall generate monthly statistical reports regarding the maintenance of the process of booking the flights from beginning to the end.

Req 7: Customer Support and Communication

- The software must provide information for passengers to contact customer support. Notifications for booking confirmations, changes, cancellations, different promotions and discounts should be sent to passengers via email or SMS.

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