

Airline Ticket Booking System

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Objective:

The web based “airline reservation system” project is an attempt to stimulate the basic concepts of airline reservation system. The system enables the customer to do the things such as search for airline flights for two travel cities on a specified date, choose a flight based on the details, reservation of flight and cancellation of reservation.

The system allows the airline passenger to search for flights that are available between the two travel cities, namely the “Departure city” and “Arrival city” for a particular departure and arrival dates. The system displays all the flight’s details such as flight no, name, price and duration of journey etc.

After search the system display list of available flights and allows customer to choose a particular flight. Then the system checks for the availability of seats on the flight. If the seats are available then the system allows the passenger to book a seat. Payments are also validated for online transactions carried out using the Credit cards.

Users:

- Passengers
- Airlines Admin

Functional requirements:

- By advanced flight search method the system will allow the user to specify a preferred airline by its name or its number through a standard screen.
- The user will be able to see the price, duration of travelling, departure time and arrival time.
- The user will be able to choose the seats from the list of available seats of particular flights.
- Airline Reservation System shall authenticate the user’s credit cards and user’s personal information.

Non-functional requirements:

- Airline Reservation System should be available 24x7.
- The web interface should be interactive and easily navigable users should be able to understand the menu and options provided by Airline Reservation System.

Technology to be used:

- Spring MVC
- Hibernate
- MySQL

Use Case Diagram:

