

Write_Up [Fly_Away_Airline_Booking_Portal]:-

This implements a basic Airline_Booking (FlyAway_Portal) using Java Servlets and JSP. Below is the description of the components and functionality:-

1. Database Setup:-

The MySQL database named "projectf" is created with a table named "Flight" to store flight details such as source, destination, date, and price.

2. Servlets:-

- LoginServlet: Validates user login credentials and redirects to the search page (search.jsp) if the login is successful.
- SearchFlightServlet: Retrieves and displays available flights based on the user's search criteria (source, destination, date, number of persons) and forwards the request to the flights display page (flights.jsp).
- RegisterServlet: Handles flight booking by capturing user details (full name, email, phone number) and saving the booking information to the database. It then forwards the request to the payment page (payment.jsp).

3. JSP Pages:-

- adminlogin.jsp: A simple login page for admin access.
- invalid.jsp: Page displayed when the login credentials are invalid.
- search.jsp: Displays a search form for users to enter travel details.
- flights.jsp: Displays available flights based on the search criteria and allows users to select a flight for booking.
- FlightBooking.jsp: Displays a flight booking form for users to enter their personal details.
- payment.jsp: Displays payment confirmation details.
- confirmation.jsp: Displays booking confirmation details.

4. Java Classes:-

- Booking and Flight: POJO classes representing booking and flight details respectively.
- BookingService and FlightService: Service classes for handling booking and flight operations.

5. Database Connection:-

- DbConnection: Provides a database connection using JDBC.

6. Web.xml Configuration:

- Servlet mappings are defined in the web.xml file to map servlets to their respective URLs.

Conclusion:-

Overall, the application allows users to search for flights based on their travel details, book flights by entering personal information, and view confirmation details after completing the booking process.