

PROJECT OBJECTIVE:- Develop an FlyAway (Airline Booking Portal).

Description: The FlyAway application is an airline booking portal that allows users to search for and book flights. Users start by logging in, then proceed to search for flights based on their travel details. After selecting a flight, users fill out a booking form with their personal information. Once the booking is confirmed, users can review the details and make a payment. Finally, users receive a confirmation of their booking. The application provides a seamless process for users to book flights online.

1. User Login:

- User accesses the application and is presented with the admin login page (`adminlogin.jsp`).
- User enters the username and password and submits the form.
- The `LoginServlet` validates the credentials. If they are correct, the user is redirected to the search page (`search.jsp`). If not, the user is redirected to the invalid login page (`invalid.jsp`).

2. Search Flights:

- User fills out the search form on the search page (`search.jsp`) with details such as source, destination, date of travel, and number of persons.
- User submits the form.
- The `SearchFlightServlet` retrieves available flights based on the search criteria from the database using the `FlightService` and forwards the request to the flights display page (`flights.jsp`).

3. Select Flight:

- User views the list of available flights on the flights display page (`flights.jsp`) and selects a flight by clicking the "Select" button.
- The selected flight ID is sent to the flight booking form (`FlightBooking.jsp`) via a hidden input field.

4. Fill Booking Details:

- User is redirected to the flight booking form (`FlightBooking.jsp`) where they must enter their personal details such as full name, email, and phone number.
- User submits the form.
- The `RegisterServlet` receives the form data, creates a `Booking` object, and saves the booking details to the database using the `BookingService`. The booking object is stored in the session for confirmation.

5. Payment Confirmation:

- User is redirected to the payment confirmation page (`payment.jsp`) where they can review the booking details and confirm the payment.
- Upon confirmation, the user is redirected to the booking confirmation page (`confirmation.jsp`) where they are shown the details of their booking.

6. Booking Confirmation:

- User views the booking confirmation details on the confirmation page (`confirmation.jsp`) and receives a confirmation message for their booking.

7. End of Workflow:

- User has successfully booked a flight through the FlyAway application.

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.