

Phase-End Project

FlyAway (An Airline Booking Portal)

Problem Statement:

As a Full Stack Developer, design and develop an airline booking portal named as FlyAway. Use the GitHub repository to manage the project artifacts. FlyAway is a ticket-booking portal that lets people book flights on their website. A search form in the homepage to allow entry of travel details, like the date of travel, source, destination, and the number of persons. Based on the travel details entered, it will show the available flights with their ticket prices. Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details. In the next page, they are shown the flight details of the flight that they are booking, and the payment is done via a dummy payment gateway. On completion of the payment, they are shown a confirmation page with the details of the booking.

For the above features to work, there will be an admin backend with the following features:

- An admin login page where the admin can change the password after login, if he wishes
- A master list of places for source and destination
- A master list of airlines
- A list of flights where each flight has a source, destination, airline, and ticket price

Developer details:

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GitHub Link:

https://github.com/PradeepaSaravanan/Java_Phase2.git

Sprints planned and the tasks achieved

This Project completed in two sprint.

Sprint 1:

- Project plan
- Created database for flight,user,admin.
- Flow of the application

Sprint 2:

- Feasibility report.
- Specification Document
- Creating Git repository to track changes as development progress in future.
- The project requirements are completed using Java ,Sql,Servlet,Jdbc,jsp.
- Testing the Program with number of user input.
- Source code
- Pushing Code to github repository

Algorithm

1. Start the Program.
2. Set the database and table using sql for flight details,admin login,user details.
3. Prints the welcome screen which shows user to login if user not register and new to flightaway that user need to signup first and then login.
4. After getting into home page user can search for flights by flight name,date.
5. After search it will shows the available flight details for the user.
6. User can book for the ticket using book now option.
7. After click book now it will displays the amount need to pay according to number of travellers.

8. Now user can pay for flight booking confirmation.
9. After a successful booking it displays the complete bill details and they can also print.
- 10.To run the code need to follow below steps.
- 11.Import Project in Eclipse
- 12.Start the apache tomcat server.
- 13.Open MySql Client for JDBC Connection
- 14.Connect all jar file in the library folder.
- 15.Run On Server Index.jsp
- 16.Prints the result in web browser.
- 17.End

Core concepts used in the project

- Servlets
- JSP
- Session
- JDBC
- MYSQL
- Tomcat Server 9
- HTML