



FLYAWAY (AN AIRLINE BOOKING PORTAL)

Phase-2 Project



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OBJECTIVE

1. To design and develop an airline booking portal named as FlyAway.
2. Use the GitHub repository to manage the project artifacts.

BACKGROUND OF THE PROBLEM STATEMENT:

FlyAway is a ticket-booking portal that lets people book flights on their website.

REQUIREMENTS

For Travellers

1. A search form in the homepage to allow entry of travel details, like the date of travel, source, destination, and the number of persons.
2. Based on the travel details entered, it will show the available flights with their ticket prices.
3. Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details.
4. 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.
5. On completion of the payment, they are shown a confirmation page with the details of the booking.

For Admin

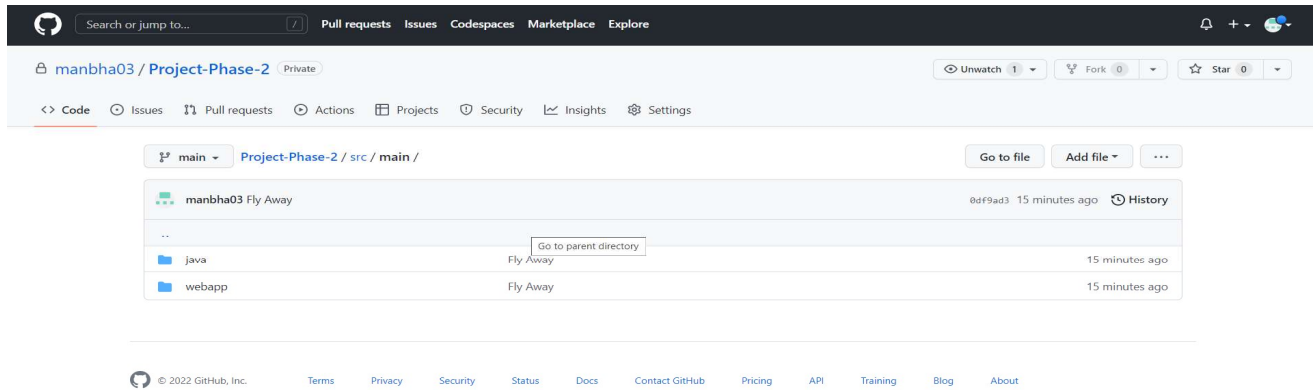
1. An admin login page where the admin can change the password after login, if he wishes
2. A list of flights where each flight has a source, destination, airline, and ticket price.

TECHNOLOGY USED

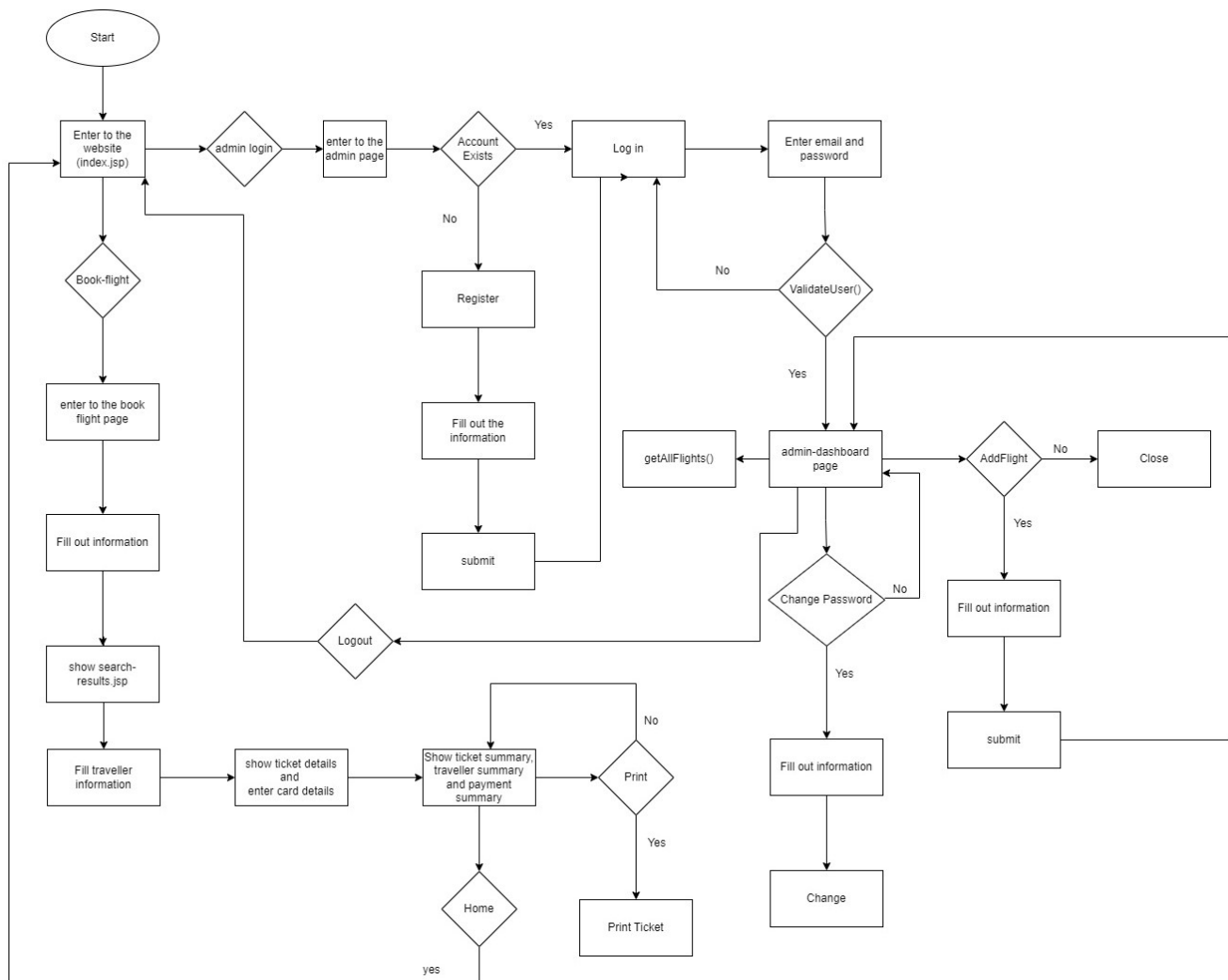
1. Eclipse: An IDE to code for the application
2. Java: A programming language to develop the web pages, databases, and others
3. SQL: To create tables for admin, airlines, and other specifics
4. Maven: To create a web-enabled Maven project
5. Git: To connect and push files from the local system to GitHub
6. GitHub: To store the application code and track its versions
7. Scrum: An efficient agile framework to deliver the product incrementally
8. diagrams.net: An open-source for drawing a flow-chart.
9. Microsoft Excel: To create a Sprint Planning Work-flow.
10. Hibernate: provides a framework to map object-oriented domain models to relational databases for web applications

GITHUB LINK

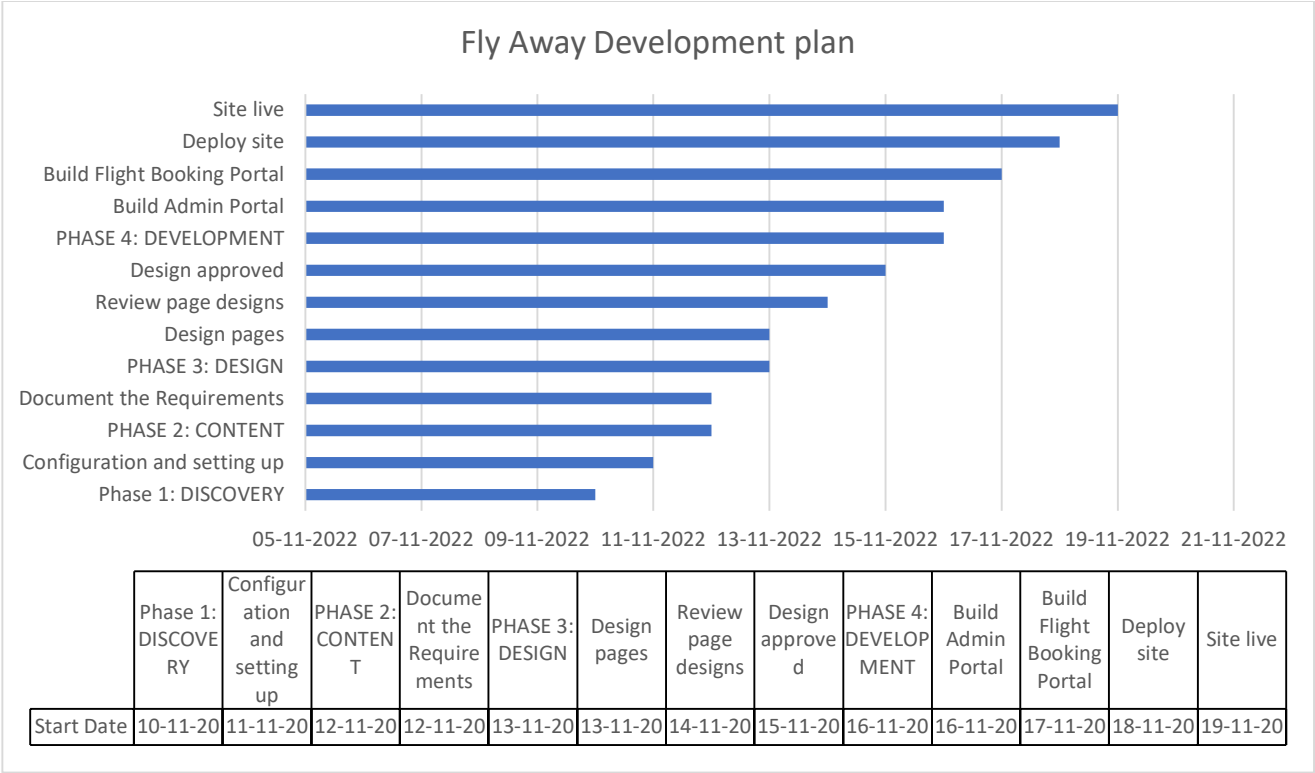
- To store the application code and track its versions
- <https://github.com/manbha03/Project-Phase-2/>



FLOWCHART

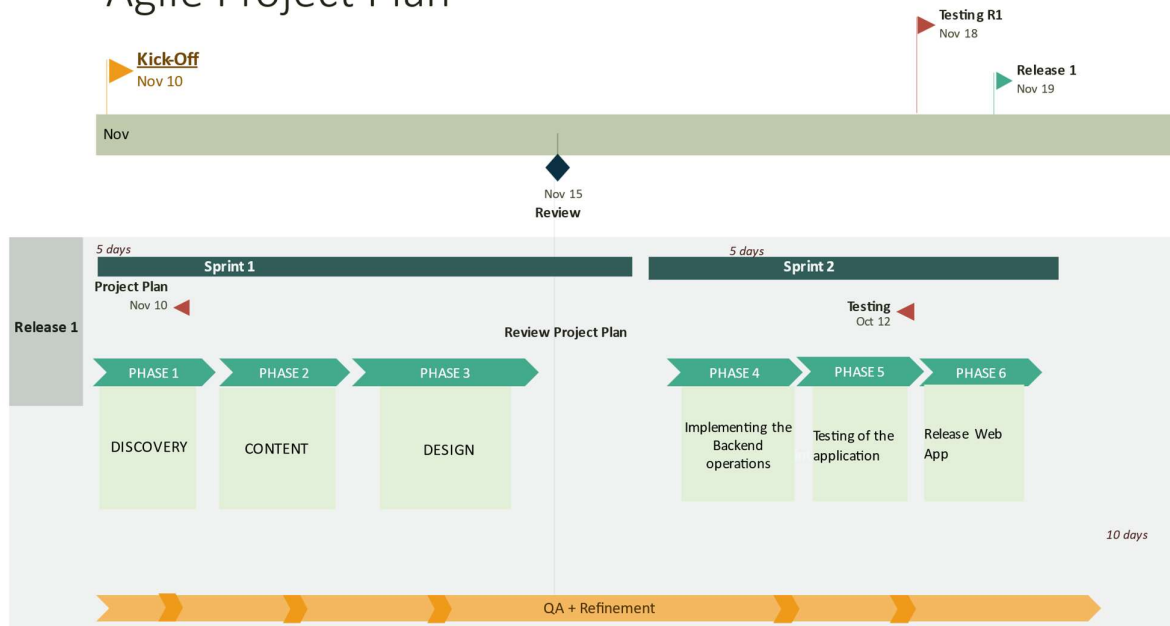


DEVELOPMENT PLAN

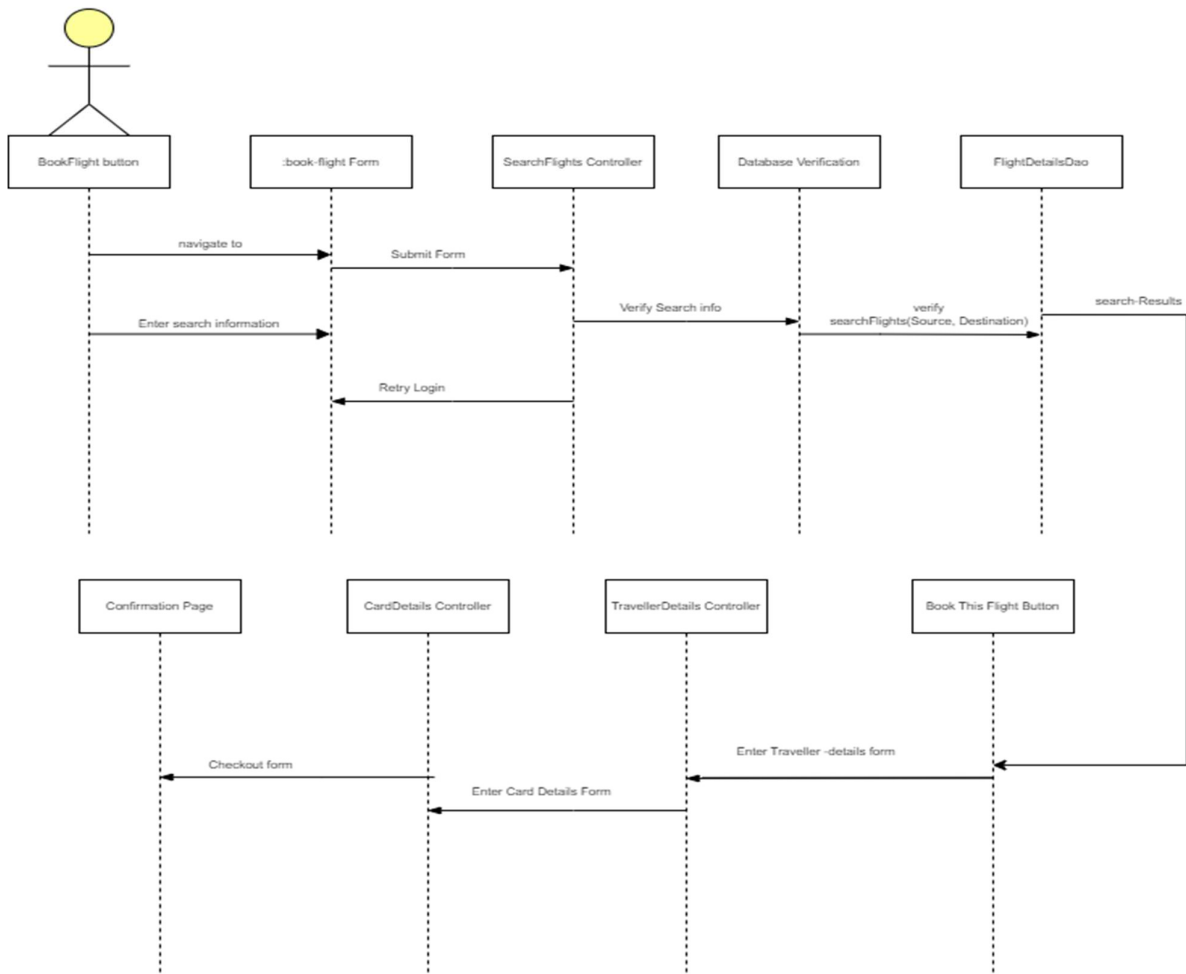
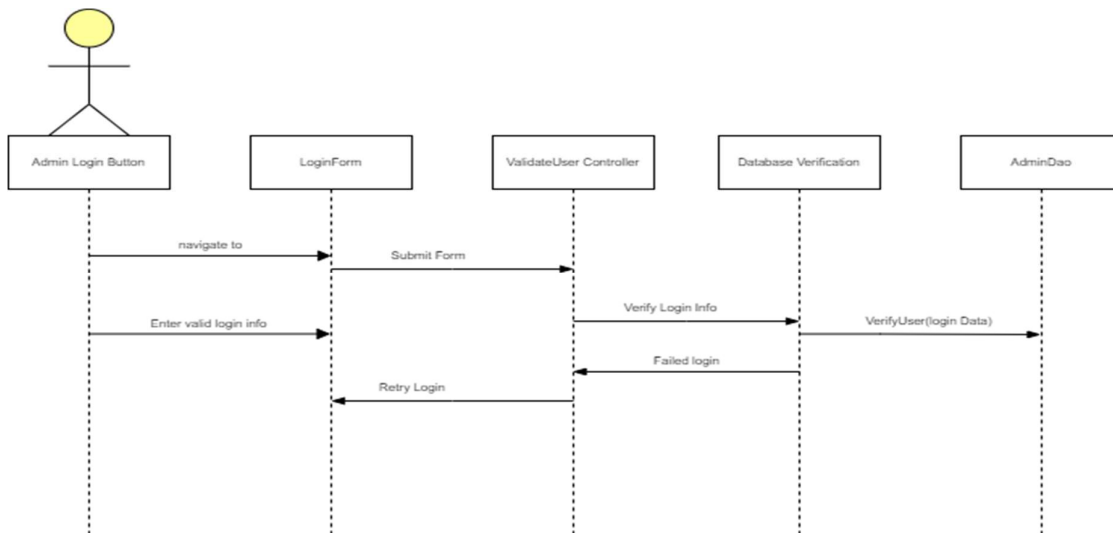


SPRINT PLANNING

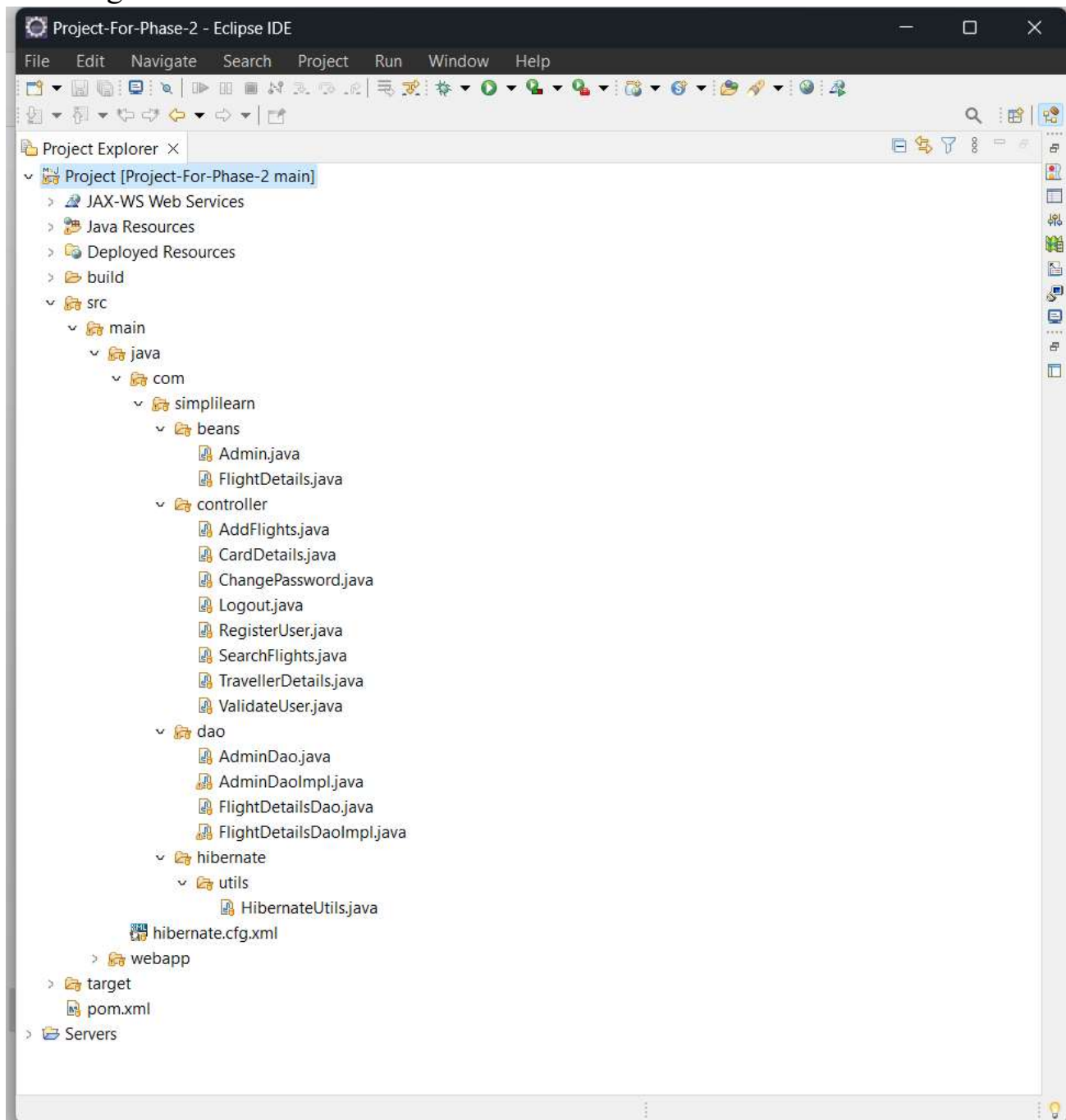
Agile Project Plan

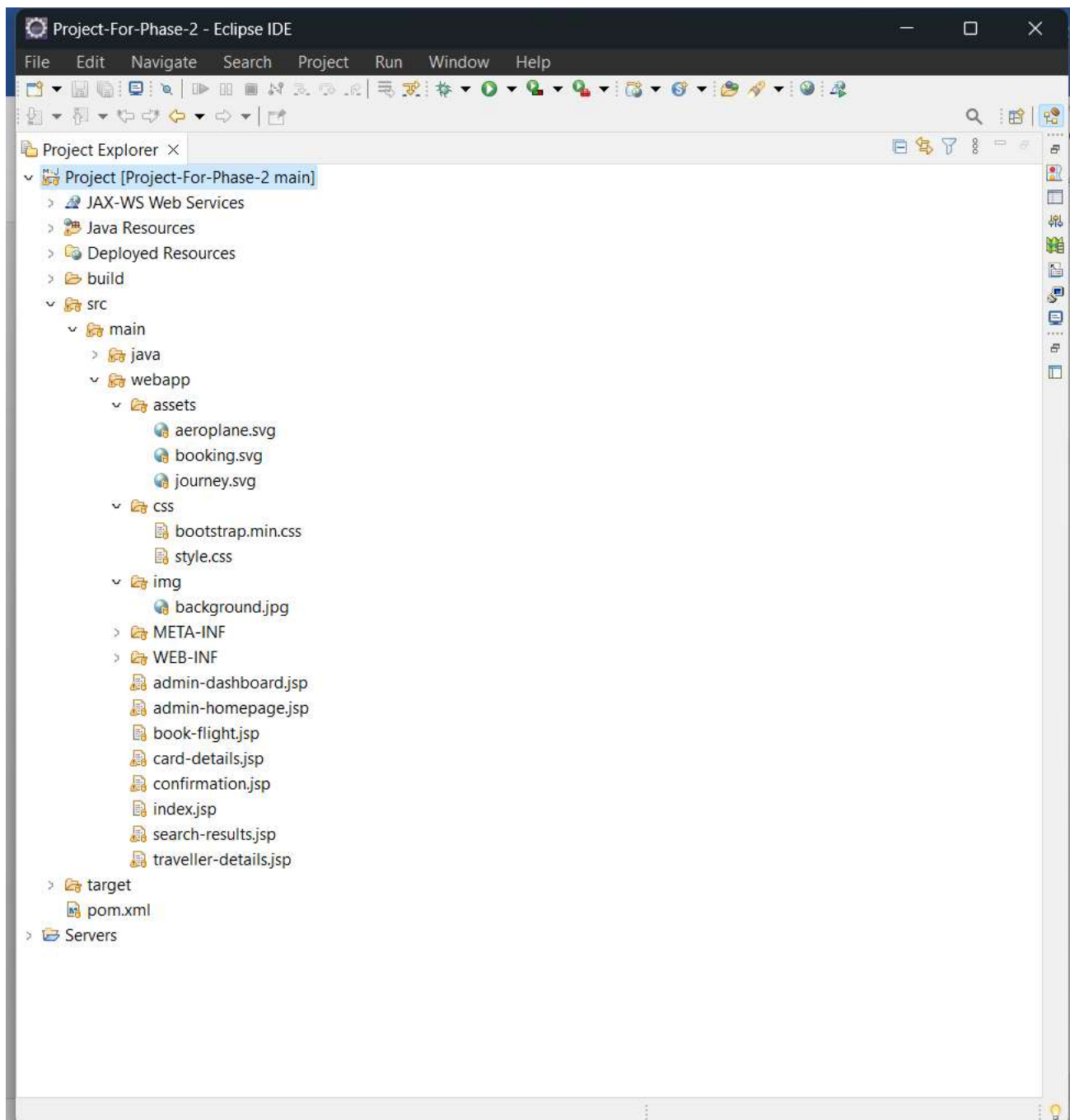


SEQUENCE DIAGRAM



Working Tree Structure





OUTPUT

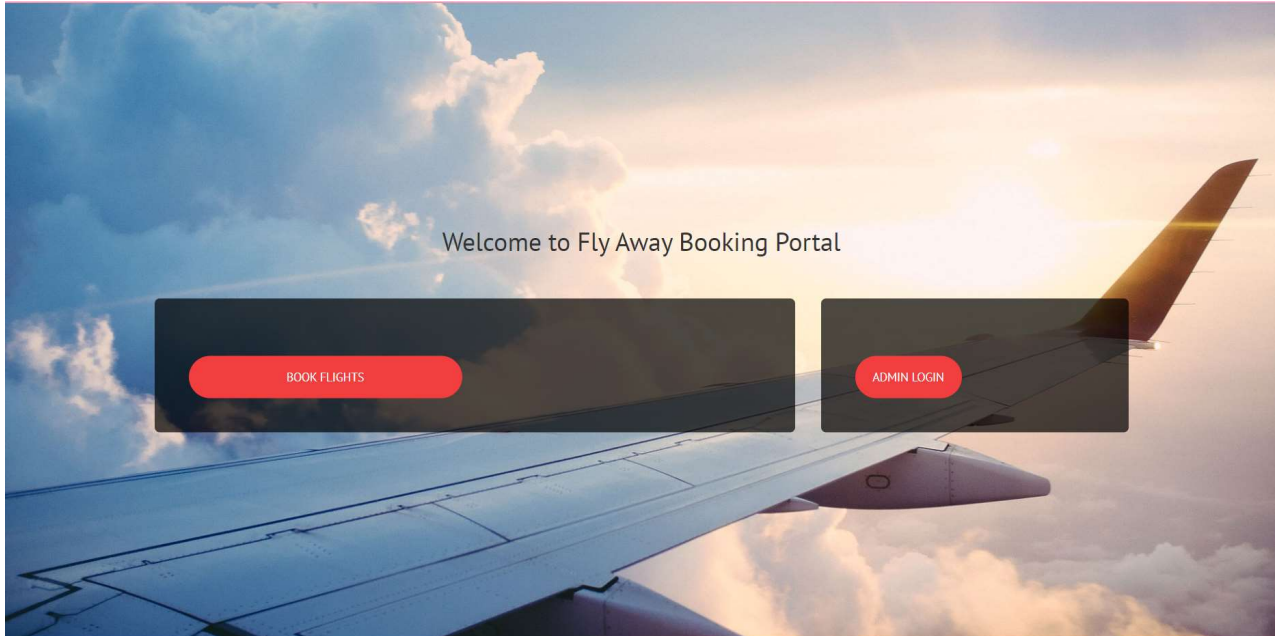


Figure 1 index.jsp

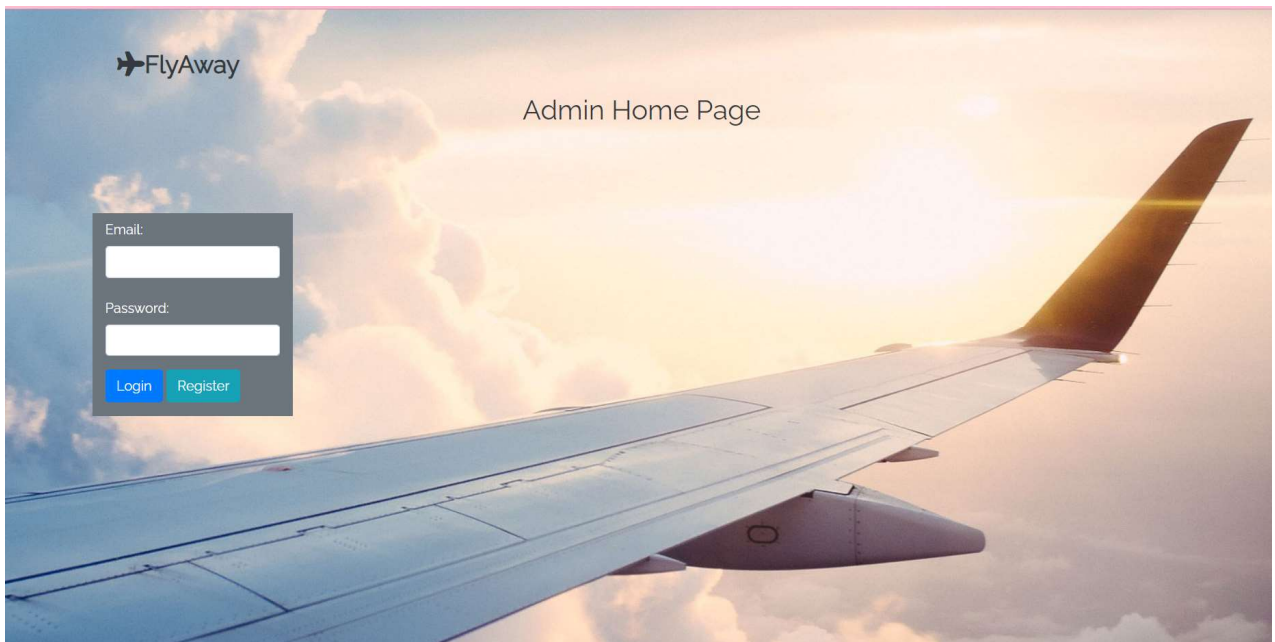


Figure 2 admin-homepage.jsp

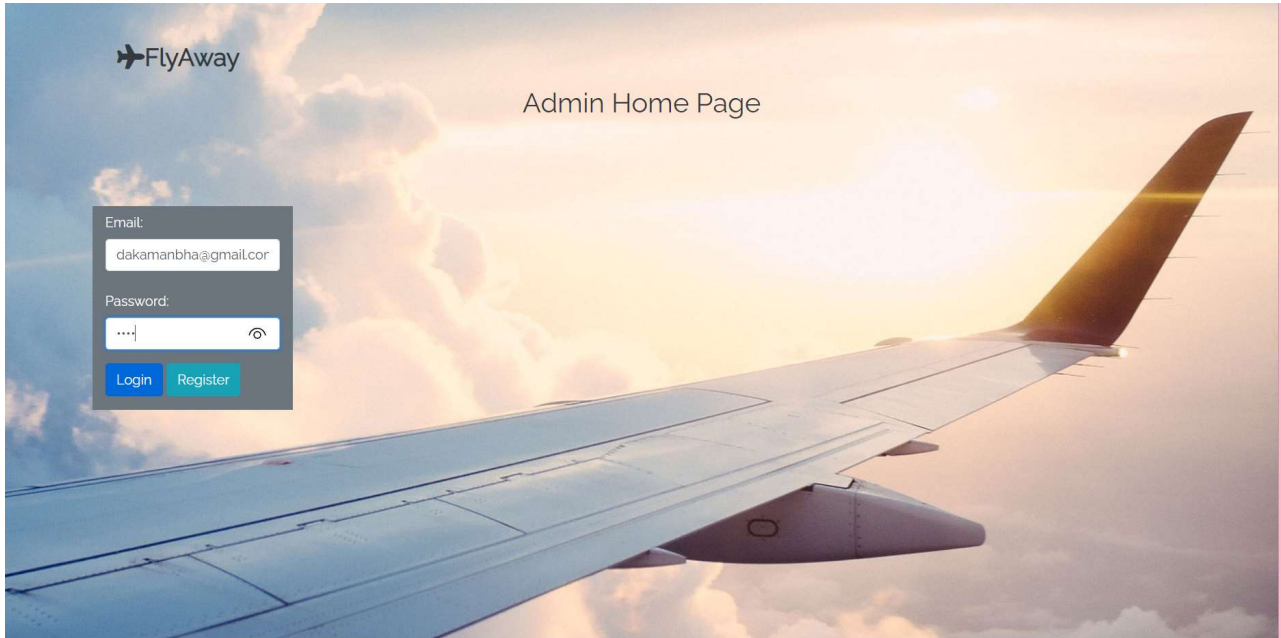


Figure 3 admin-homePage.jsp(Login)

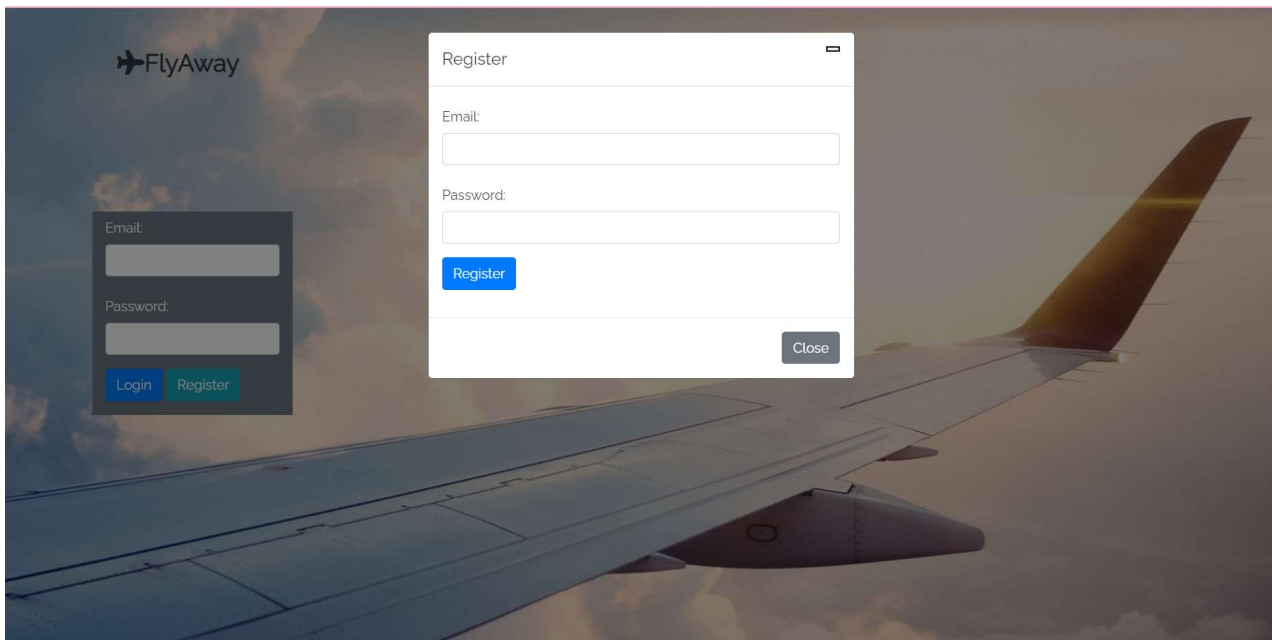


Figure 4 admin-homePage(Register)

Admin Dashboard

You are logged in as : dakamanbha@gmail.com and password is : daka

[Add Flight](#)
[Change Password](#)
[Logout](#)

Flight Table Data

ID	Flight Number	Airline	Source	Destination	Date	Time	Ticket Price
1	A21456	Air India	Shillong	Kolkata	2022-11-20	13:54	5400
2	A21546	AirIndia	Shillong	Delhi	2022-11-20	14:50	8000
3	IN2578	Indigo	Shillong	Mumbai	2022-11-20	10:40	9500
4	IN4589	Indigo	Shillong	Chennai	2022-11-20	13:54	4600
5	IN3695	Indigo	Shillong	Kolkata	2022-11-20	15:30	6900
6	IN6594	Indigo	Kolkata	Delhi	2022-11-20	15:30	7200
7	AA255	Air Asia	Kolkata	Shillong	2022-11-20	13:05	5000
8	AA255	Air Asia	Kolkata	Mumbai	2022-11-20	13:05	5000
9	AA266	Air Asia	Kolkata	Chennai	2022-11-20	12:16	7500
10	SJ001	SpiceJet	Mumbai	Kolkata	2022-11-20	12:18	4500
11	SJ002	SpiceJet	Kolkata	Delhi	2022-11-20	16:20	4770
12	SJ003	SpiceJet	Kolkata	Delhi	2022-11-20	17:26	2500
13	IN45891	Indigo	Shillong	Kolkata	2022-11-20	14:49	5000

Figure 5 admin-dashboard.jsp

You are logged in as : daka

ID	Flight Number	Airline
1	Az1456	Air Indi
2	Az1546	AirIndi
3	IN2578	Indige
4	IN4589	Indige
5	IN3695	Indige
6	IN6594	Indige
7	AA255	Air Asi
8	AA255	Air Asi
9	AA266	Air Asi
10	SJ001	SpiceJ
11	SJ002	SpiceJ
12	SJ003	SpiceJ
13	IN45891	Indige

Add Flight

Flight Number:

Airline:

Source:

Destination:

Date:

Time:

Price:

Add

Admin Login

Date	Time	Ticket Price
11-20	13:54	5400
11-20	14:50	8000
11-20	10:40	9500
11-20	13:54	4600
11-20	15:30	6900
11-20	15:30	7200
11-20	13:05	5000
11-20	13:05	5000
11-20	12:16	7500
11-20	12:18	4500
11-20	16:20	4770
11-20	17:26	2500
11-20	14:49	5000

Figure 6 AddFlights

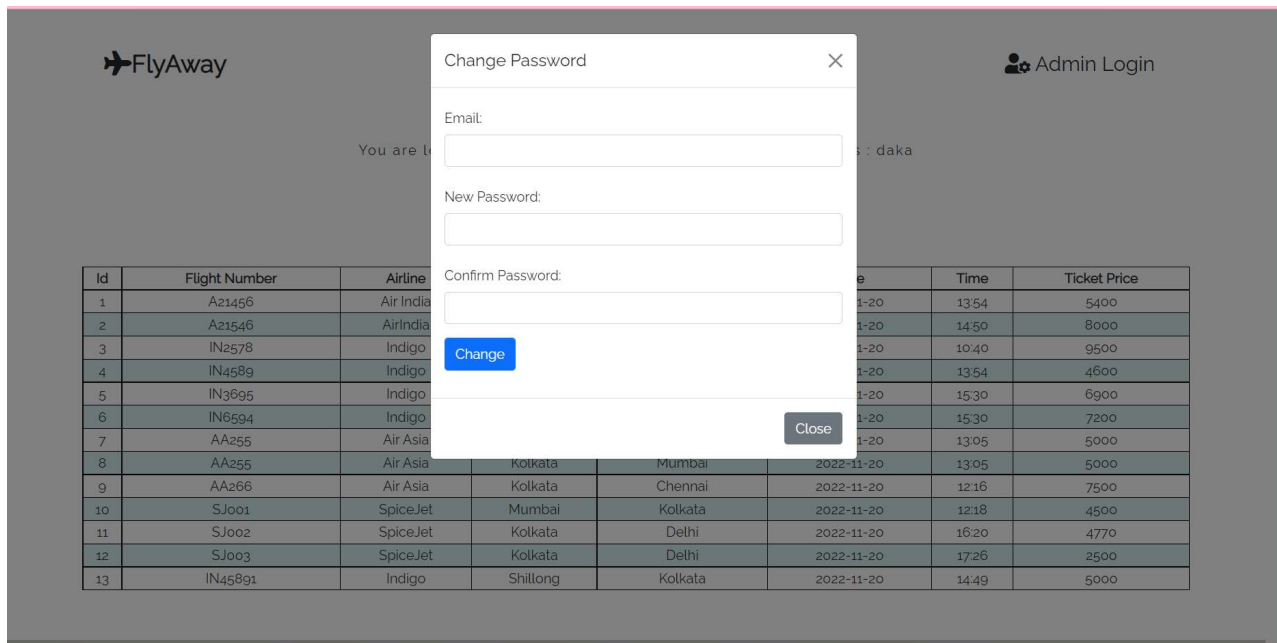


Figure 7 ChangePassword

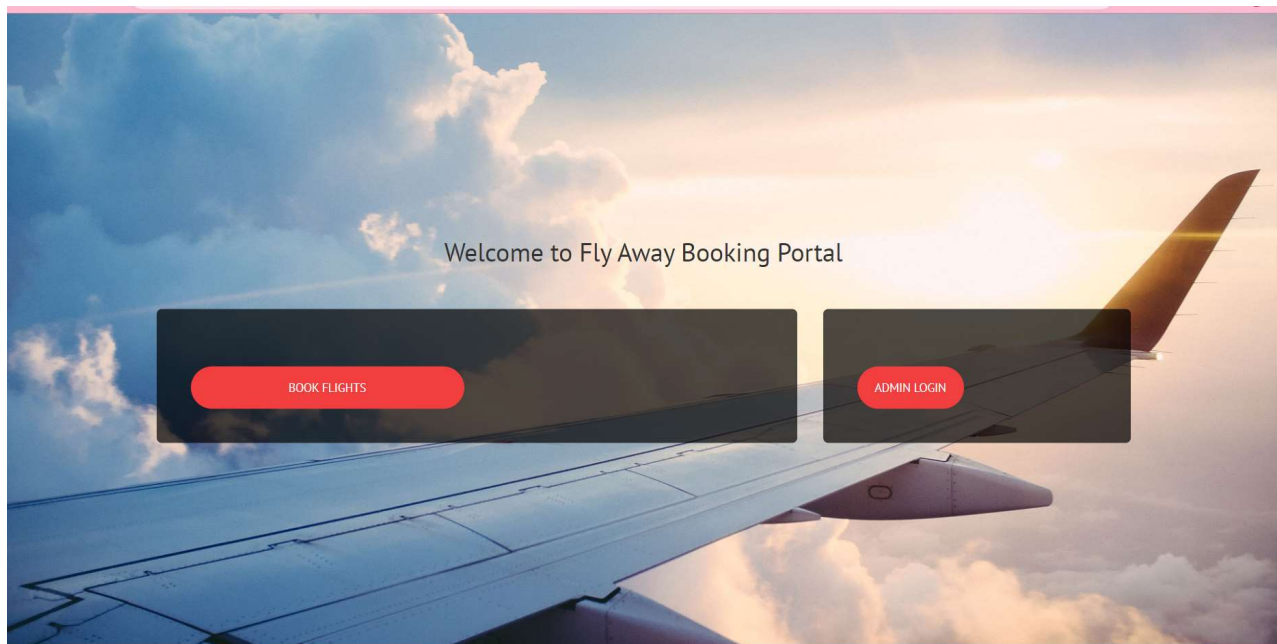


Figure 8 Logout

☒ One way

FLYING FROM
 Select Source

FLYING TO
 Select Destination

DEPARTING
 dd-mm-yyyy

ADULTS (18+)
 enter number of traveller(s)

SHOW FLIGHTS

Figure 9 book-flight.jsp



Search Results

Showing available flights from Kolkata to Delhi

Date of Travel : 2022-11-20

No. of Traveller(s): 1

Flight Number	Airline	Source	Destination	Date	Time	Ticket Price	Select
IN6594	Indigo	Kolkata	Delhi	2022-11-20	15:30	7200	Book This Flight
SJ002	SpiceJet	Kolkata	Delhi	2022-11-20	16:20	4770	Book This Flight
SJ003	SpiceJet	Kolkata	Delhi	2022-11-20	17:26	2500	Book This Flight

Figure 10 search-results.jsp



FlyAway Ticket Booking

Traveller details:

Name:

Email:

Phone:

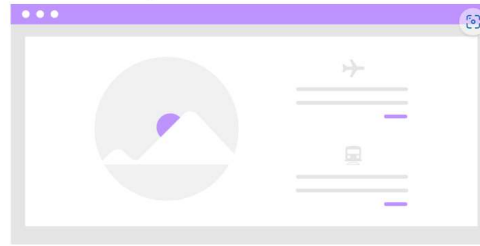


Figure 11 traveller-details.jsp



FlyAway Ticket Booking

Ticket Details

From Kolkata to
Delhi

No. of Traveller(s): 1

Card details:

Name:

Card Number:

Total: 1 x 2500 = Rs. 2500



Figure 12 CardDetails

Thank You!

Your ticket has been booked. The details are as follows

Ticket Summary
Kolkata to Delhi on 2022-11-20 SJ003 SpiceJet
Passenger Summary
Booking Name: daka Email: dakamanbha@gmail.com Phone: 7895545455
Payment Summary
Card Name: dakamanbha Card No.: 7846456464646
Total Price: 2500
Print

Figure 13 confirmation.jsp