PHASE-2 PROJECT

FLYAWAY (AN AIRLINE BOOKING PORTAL)

Description:

Project objective:

As a Full Stack Developer, designed and developed an airline booking portal named as FlyAway. 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.

- ✔ This document contains sections for:
- ✔ Sprint planning and Task completion
- ✔ Core concepts used in project
- ✔ Flow of the Application.
- ✔ Demonstrating the product capabilities, appearance, and user interactions.
- ✔ Unique Selling Points of the Application
- ✔ Conclusions

The code for this project is hosted at
https://github.com/Megantha/JAVA-CODES/tree/main/Phase%202-Final%20Pt oject

The project is developed by Megantha P

SPRINT PLANNING AND TASK COMPLETION

The project is planned to be completed in 1 sprint. Tasks assumed to be completed in the sprint are:
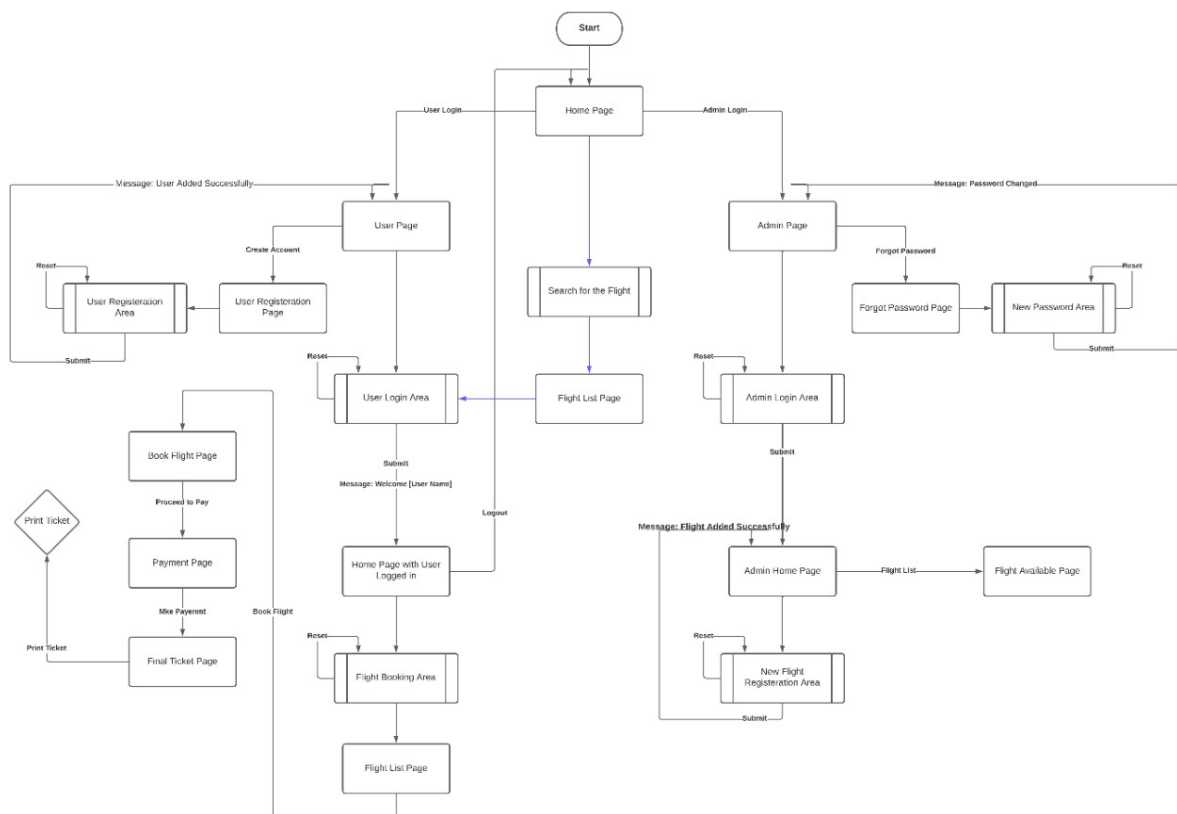
- ❖ Creating the flow of the application
- ❖ Initializing the git repository to track changes as development progresses.

- ❖ Writing the Java program to fulfill the requirements of the project.
- ❖ Testing the Java program with different kinds of User input
- ❖ Pushing code to GitHub.
- ❖ Creating this specification document highlighting application capabilities, appearance, and user interactions.

CORE CONCEPTS USED IN PROJECT

- ❖ Servlet
- ❖ JDBC Connectivity
- ❖ MySQL
- ❖ JSP
- ❖ Html

Flow Chart:

SPECIFICATION DOCUMENT

Below are the sub-sections set up to highlight project aesthetics and user interactions in order to demonstrate the capabilities of the product:

- **PRODUCT'S CAPABILITIES**
- **APPEARANCE**
- **USER INTERACTIONS**

Creating the New Dynamic web project in Eclipse
I have created a Data access object, servlet and JSP file
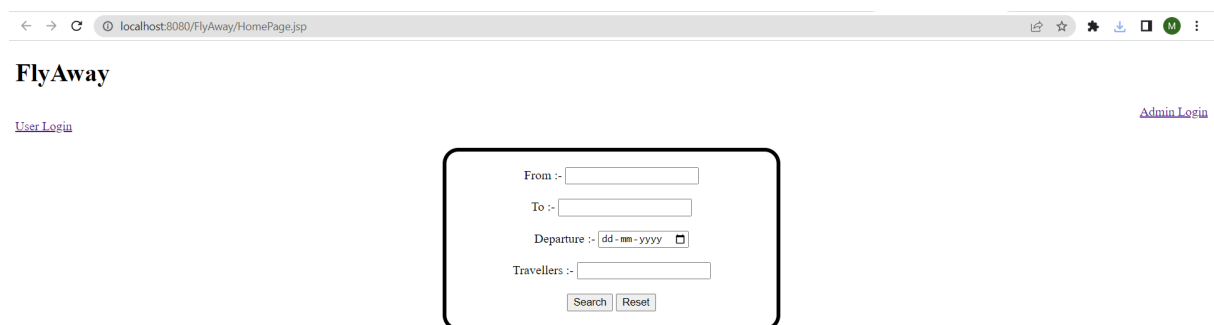*Servlet: AdminLogin.java, Flightlist.java, ForgetPassword.java*
InsertFlight.java , Logout.java ,UserLogin.java
, UseRegistration.java
JSP:AdminHome,AdminPage,BookFlight,FinalTicket,FinalList,ForgetPassword,HomePage,Payment,UserPage,UserRegistration
Pushing the code to GitHub repository

STEP1-Home Page

STEP2-User account creation

FlyAway

Email :- | mega@gmail.com
Password :- | ••••••••••••
Name :- | Megantha P
Phone No. :- | 0987654321
Aadhaar No. :- | 123456789012

submit   Reset

STEP3-Admin LoginPage

FlyAway

Admin Login

Welcome Megantha P

Logout

From :- |
To :- |
Departure :- | dd - mm - yyyy
Travellers :- |

Search   Reset

FlyAway

STEP 4-New flight insertion

← → C ⓘ localhost:8080/FlyAway/AdminHome.jsp

FlyAway

Insert New Flight Details

Name :- Indigo

From :- Chennai

To :- Goa

Departure :- 15 - 08 - 2022

Time :- 18 : 00

Price :- 10,999

submit   Reset

Flight Added Successfully

STEP 5-Flight List

localhost:8080/FlyAway/FlightAvailable.jsp

Welcome to FlyAway

NAME	FROM	TO	DEPARTURE	TIME	PRICE
Megantha	Chennai	Goa	2022-08-12	09:00	10000
Megantha	Chennai	Goa	2022-08-13	05:00	5421
Megantha	Chennai	Goa	2022-08-13	08:15	6421
Megantha	Chennai	Goa	2022-08-13	05:00	5421
Meha	Chennai	Goa	2022-08-13	10:18	5421
Indigo	Chennai	Goa	2022-08-15	18:00	10,999

STEP 6-User Login Page

FlyAway

User Login

Email mega@gmail.com

Password ••••••••••••

submit   Reset

New User-Create account

Create Account

User Added Successfully

STEP 7-checking for flight

FlyAway

Admin Login

Welcome Megantha P

Logout

From :- Chennai

To :- Goa

Departure :- 15 - 08 - 2022

Travellers :- 1

Search Reset

STEP 8-Available Flights

FlyAway

Available Flights

Name	Time	Price
Indigo	18:00	10,999

Book Now

STEP 9-Payment Page

Welcome to FlyAway

Proceed to Pay

STEP 10-Payment Details

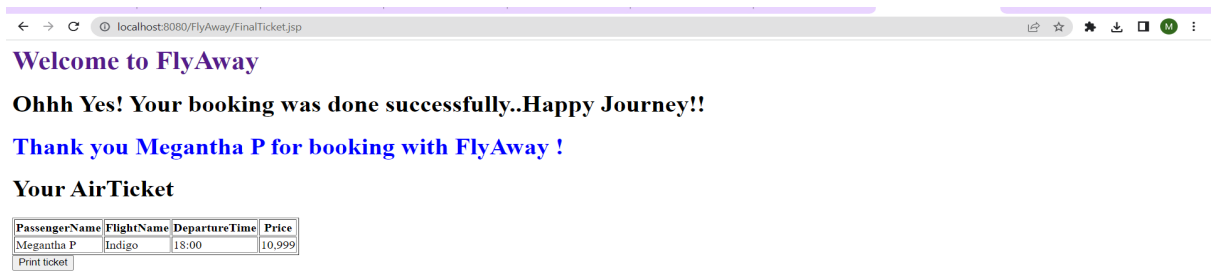## One step away from flying away !!

mega@gmail.com

Megantha P

123456789012

345

01 - 06 - 2025

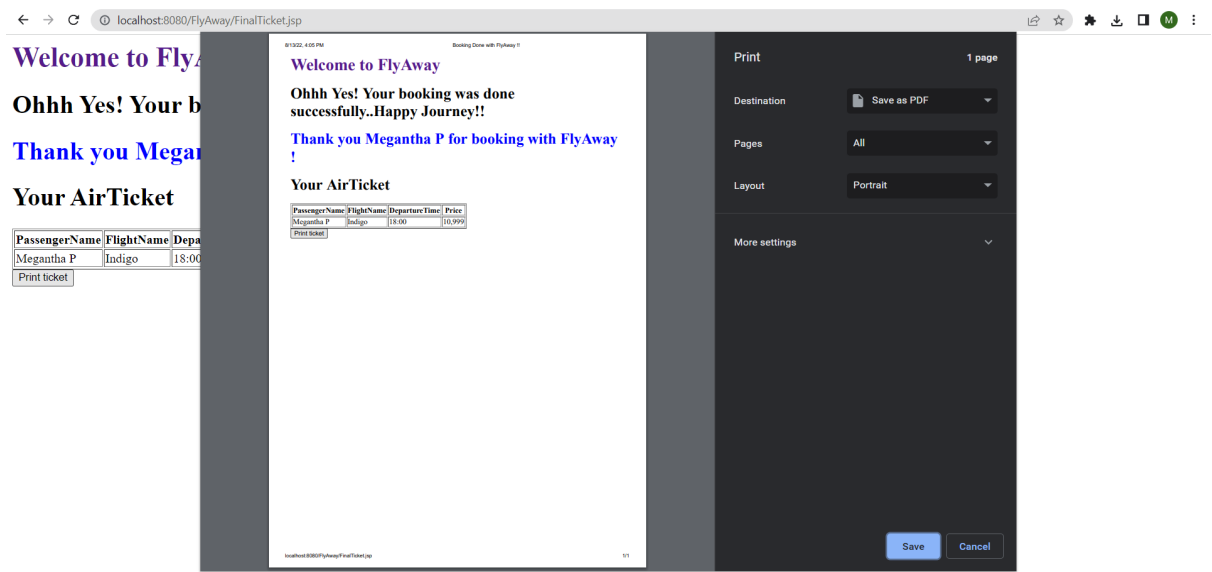Make Payment

STEP 11-Confirmation Page

localhost:8080/FlyAway/FinalTicket.jsp

Welcome to FlyAway

Ohhh Yes! Your booking was done successfully..Happy Journey!!

Thank you Megantha P for booking with FlyAway !

Your AirTicket

PassengerName	FlightName	DepartureTime	Price
Megantha P	Indigo	18:00	10,999

Print ticket

STEP12

localhost:8080/FlyAway/FinalTicket.jsp

Welcome to Fly...

Ohhh Yes! Your b...

Thank you Megan...

Your AirTicket

PassengerName	FlightName	Depa...
Megantha P	Indigo	18:00

Print ticket

9/13/22, 4:05 PM   Booking Done with FlyAway !!

Welcome to FlyAway

Ohhh Yes! Your booking was done successfully..Happy Journey!!

Thank you Megantha P for booking with FlyAway !

Your AirTicket

PassengerName	FlightName	DepartureTime	Price
Megantha P	Indigo	18:00	10,999

Print ticket

localhost:8080/FlyAway/FinalTicket.jsp   1/1

Print   1 page

Destination	Save as PDF
Pages	All
Layout	Portrait

More settings

Save   Cancel

FEATURES

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.

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