**FLYAWAY (AN AIRLINE BOOKING PORTAL).**

**DESCRIPTION:**

**PROJECT OBJECTIVE:**

As a Full Stack Developer, design and develop 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.

**WEBSITE 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.   

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  
       
The goal of the company is to deliver a high-end quality product as early as possible. 

**ALGORITHM:**

1-GENERAL INFO:

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

2-USING THE APPLICATION

Home page displays options to Book Flight, Customer Login and Admin Login.

Book Flight -

User enters details such as (Source, Destination, Date of travel and No of passengers)

After entering details user seletcs flight and class (Business, Economy , Premium) to book

User is asked to regiter on the website if user is new or user can login into already existing account

User is sent to a dummy payment page after confirming booking details for the payment

After confirming paymnet user is shown the booked ticket details which user can print if they wish to

Customer Login -

Customer can login into website with the details entered at the time of resitration

If the details provided are correct the user is sent to Customer Details page

In Customer Details Page User can see list of their previous booking and also can change password if they wish to

Customer details page also has the option to book flight if they wish to book a new journey

Admin Login -

Admin can login into website with their details

If the details provided are correct admin is sent to Admin Details Page

In Admin details page admin can see list of all the available flights

Admin also has the option to Add a new flight and fare related details

Admin can also change their password if they wish to

TOOLS USED:

● Eclipse/IntelliJ: An IDE to code for the application   
● Java: A programming language to develop the web pages, databases, and others  
● SQL: To create tables for admin, airlines, and other specifics  
● Maven: To create a web-enabled Maven project  
● Git: To connect and push files from the local system to GitHub    
● Specification document: Any open-source document or Google Docs