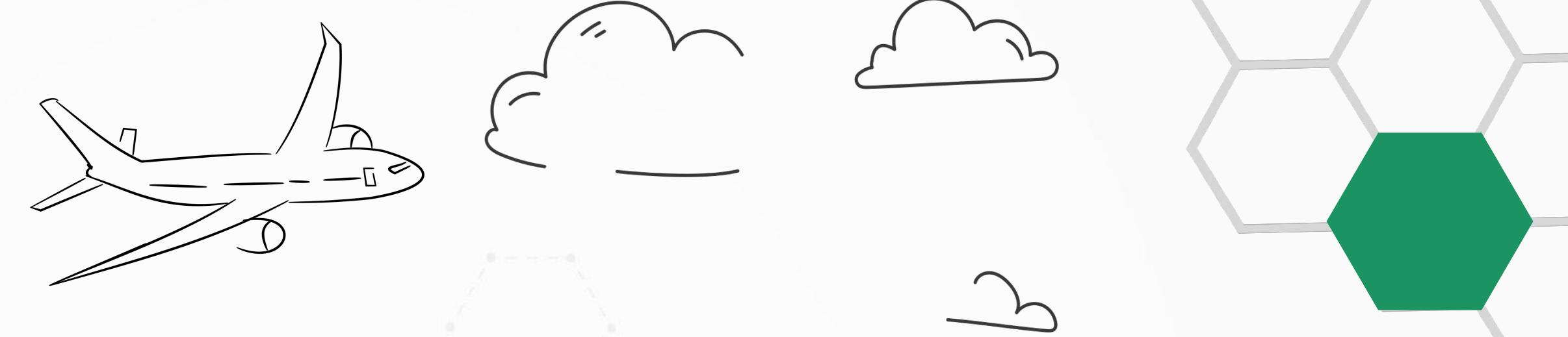


● TEAM 3

# FLIGHT MANAGEMENT SYSTEM



# Introduction



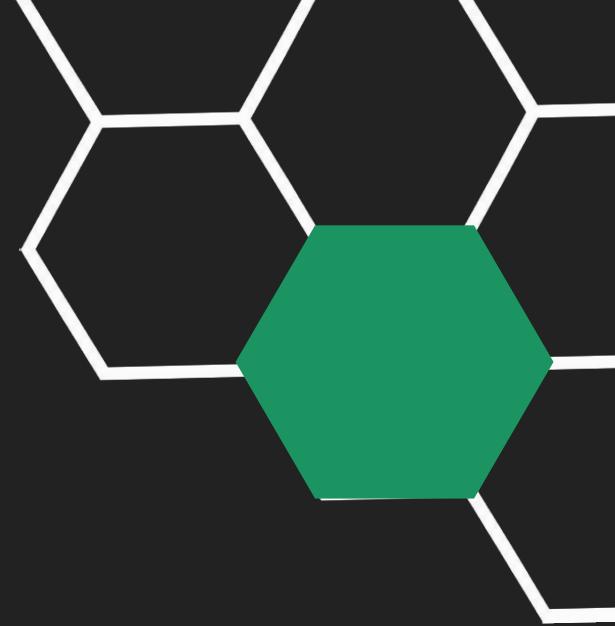
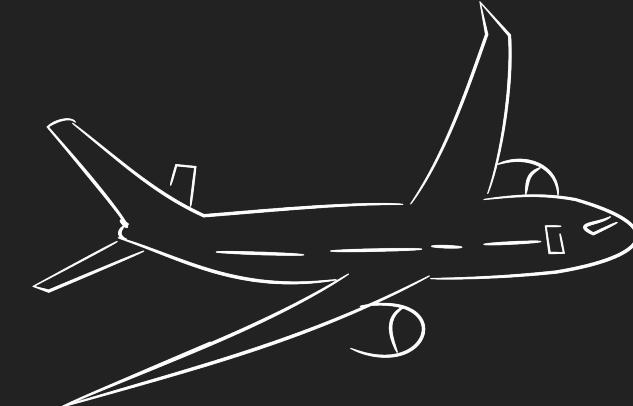
- The Flight Management System is a cutting-edge, Java-based booking solution designed to simplify the process of booking and managing flight tickets.
- With its real-time consolidation of data from multiple airline carriers, the system provides users with accurate and up-to-date information on available flights, schedules, and rates.
- This intuitive and user-friendly application empowers travelers to make informed decisions about their travel plans, while also streamlining the management of bookings for administrators.



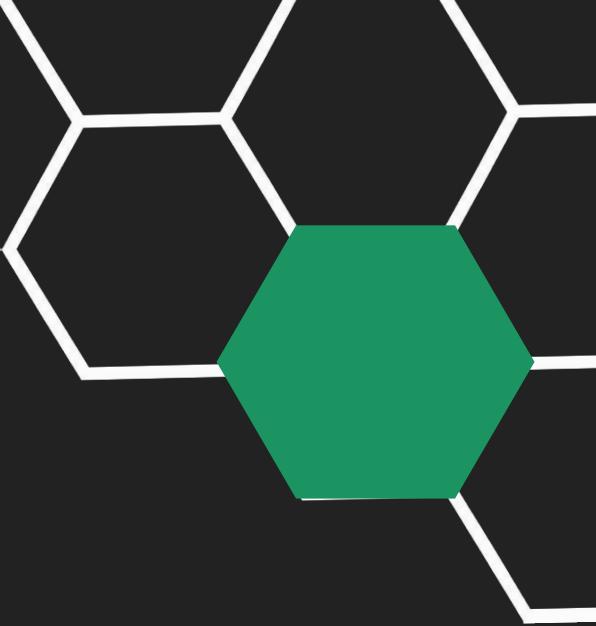
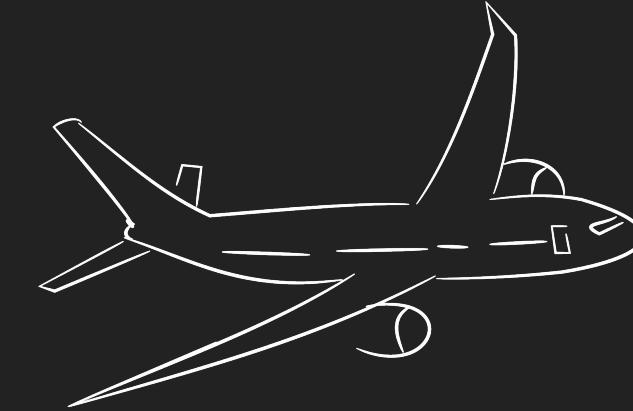
# Project Overview

## CUSTOMER FEATURES

- **CREATE** A NEW USER ACCOUNT TO ACCESS THE APPLICATION.
- **LOGIN** WITH YOUR USERNAME AND PASSWORD.
- **SEARCH** FOR AVAILABLE FLIGHTS BY DATE AND DESTINATION.
- **BOOK A FLIGHT** BY SELECTING YOUR PREFERRED FLIGHT AND PROVIDING PASSENGER INFORMATION.
- **VIEW** PAST BOOKINGS, INCLUDING FLIGHT DETAILS AND PASSENGER INFORMATION.
- **CANCEL OR MODIFY** A PREVIOUSLY BOOKED FLIGHT IF NECESSARY.

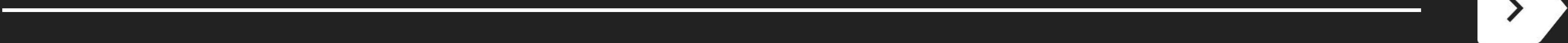


# Project Overview

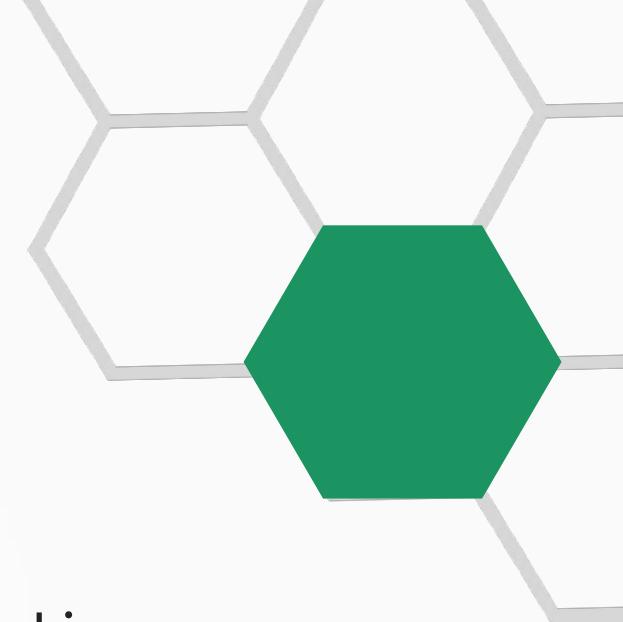
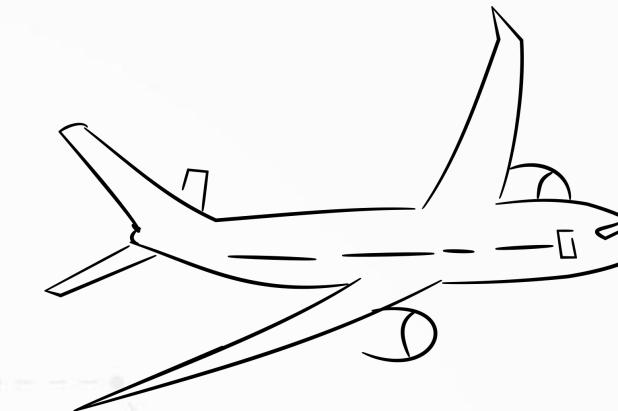


## Administrator Features

- **Login** into the application to manage flights.
- **Add** flight, schedule, and route details, including information such as flight numbers, departure and arrival times, and routes.
- **View** existing flight, schedule, and route details for easy reference.
- **Cancel or modify** flight, schedule, and route details as needed.



# MILESTONE



1

The system allows users to register, log in, and verify email addresses, with password reset functionality and security measures to protect user data.

2

Database schema for airport and flight information includes four tables: Airports, Flights, Schedules, and Availability.

3

Design a user-friendly flight booking interface. Implement functionality for users to select flights, time slots, and airports. Integrate the scheduling interface with the backend for secure booking details storage.

4

Design a database schema to store flight schedule details. Implement backend functionality for booking, conflict prevention, and scheduling management. Develop an intuitive interface for flights and passengers to view and manage schedules.



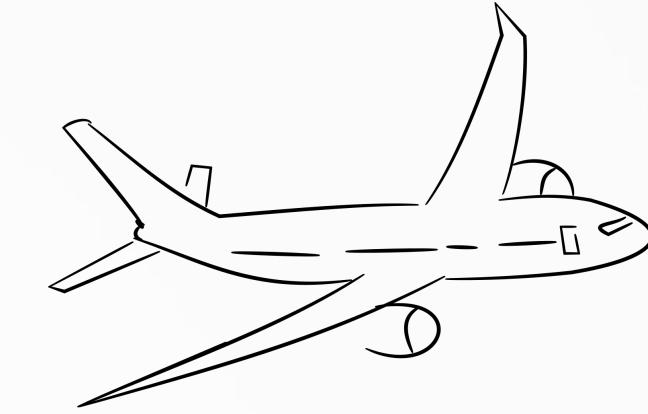
# REQUIREMENT SPECIFICATION

## HARDWARE REQUIREMENT :

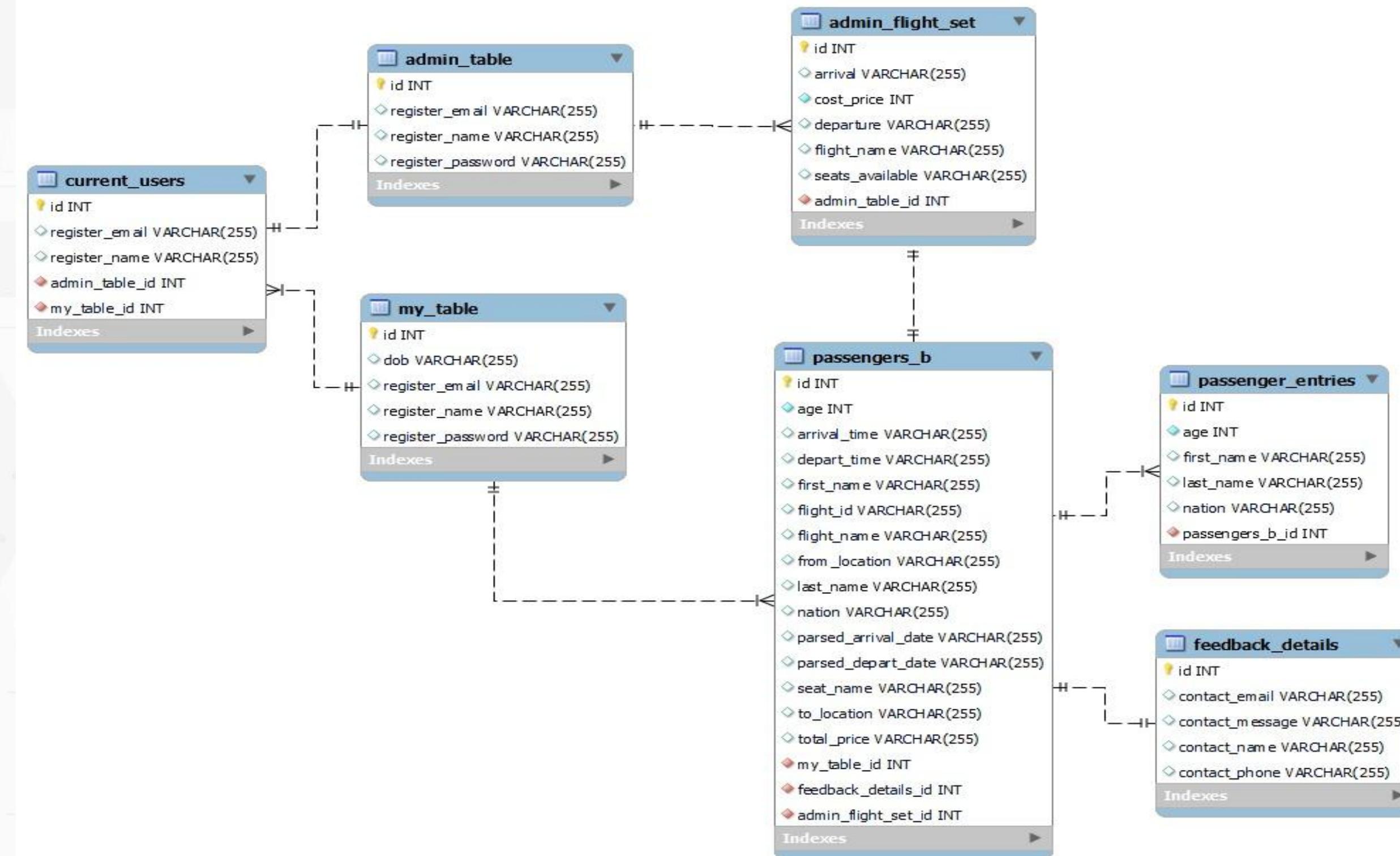
- ❖ Intel i3 CPU or higher.
- ❖ Hard disk-20GB.
- ❖ RAM-2GB or more.
- ❖ Windows 7 (64-bit) or higher/  
MacOS(64-bit) or higher,

## SOFTWARE REQUIREMENT :

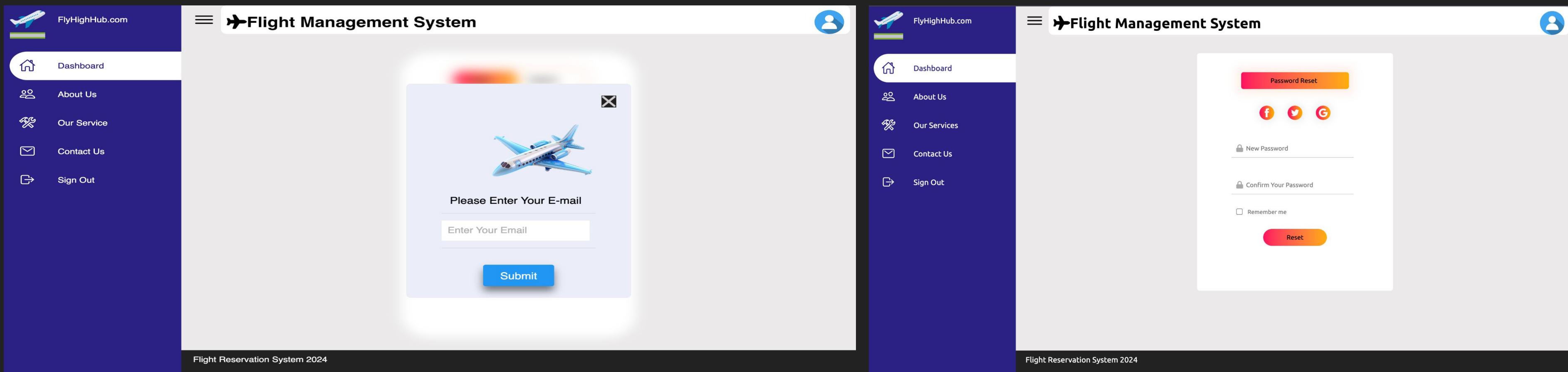
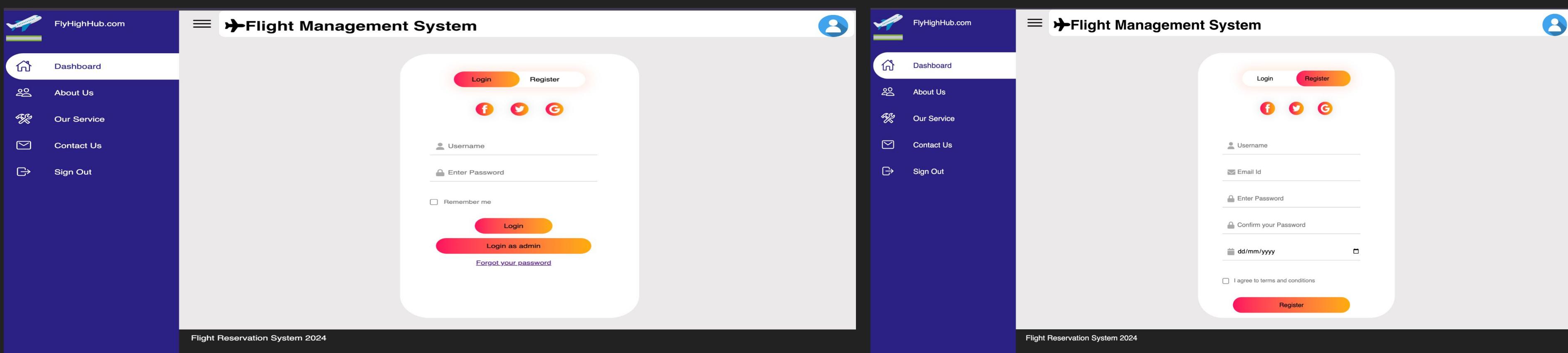
- ❖ Language java.
- ❖ Spring boot .
- ❖ Eclipse.
- ❖ Mysql.
- ❖ Chrome,safari or other browser.



# Class Diagram



# Login/Register



# Admin Portal:



**FlyHighHub.com**

**Admin Dashboard**

Flight Reservation System 2024

**Dashboard**

**About Us**

**Our Service**

**Contact Us**

**Sign Out**

**Add** **Update** **Remove** **View** **Search**

**f** **t** **G**

**Flight Name**

**Arrival Details**

**Departure Details**

**Seats Available**

**Cost Price**

**Add**

**FlyHighHub.com**

**Admin Dashboard**

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**Contact Us**

**Sign Out**

**Add** **Update** **Remove** **View** **Search**

**f** **t** **G**

**Current Location**

**Destination**

**dd/mm/yyyy**

**Search**

**FlyHighHub.com**

**Admin Dashboard**

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**Our Service**

**Contact Us**

**Sign Out**

**Add** **Update** **Remove** **View** **Search**

**f** **t** **G**

**Success!**

Flight Is Removed Successfully!

**OK**

**Cost Price**

**Add**

**FlyHighHub.com**

**Admin Dashboard**

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**Sign Out**

**List of Available Flights:**

**Flight H9698**  
₹ 1230.99

**More Information:**

Arrival: Lucknow 2024-06-09 08:00 ✓

Departure: Agra 2024-06-09 22:15 ✓

Seats Left: 0 ✘

Discount Apply ✘

**Cancel**

# Booking / Cancellation



FlyHighHub.com

## Flight Management System

Hello suyash

Welcome to FlyHigHub.com

[Booking](#) [Cancel](#)

Flight Reservation System 2024

FlyHighHub.com

## Flight Management System

[Dashboard](#) [About Us](#) [Our Services](#) [Contact Us](#) [Sign Out](#)

[Book Domestic And International Flights](#) [Search](#)

**Location** Where are you currently located? **Destination** Where are you going? **Travellers** Add guests **Departure** Add date

Flight Reservation System 2024

FlyHighHub.com

## Flight Management System

[List of Your Bookings:](#)

**Flight** ₹ 9281 .99

Hyderabad To Gwalior

Arrival: 10 Dec 2024 , 15:00 ✓  
Departure: 10 Dec 2024 , 12:00 ✓

Passengers Information:  
Passenger 1 : Tester 1 no

[Cancel](#)

Flight Reservation System 2024

FlyHighHub.com

## Flight H101 ₹ 200 .99

More Information:  
Arrival: Hyderabad 2024-12-10 15:00 ✓  
Departure: Gwalior 2024-12-10 12:00 ✓  
Seats Left: 160 ✓  
Discount Apply ✕

**Travellers Details:**

Tester 1 Please Enter Your First Name	no Please Enter Your Last Name	23 Please Enter Your Age	Indian Add your country name
--	-----------------------------------	-----------------------------	---------------------------------

[+Add Adult](#) [Proceed To Payment](#)

Flight Reservation System 2024

# Booking Flight Ticket



FlyHighHub.com

## Flight Management System

Front

Available  
Selected  
Occupied

\$9281 Continue

You have selected 1 seats for a price of \$9081

Flight Reservation System 2024

FlyHighHub.com

## Flight Management System

Food Menu Card:

Price Summary	
Base Fair	\$200
Seat: B3	\$9,081
Total: \$9,281	

Price Summary

Base Fare \$200

Seat Fare \$9081

Chilli Potato \$350 - 1 +

Mushroom Soup \$523

Green Salad \$290 - 1 +

Total: \$9,921 Checkout

Gumbo \$320 Add To Card

Chilli Potato \$350 Add To Card

Green Salad \$290 Add To Card

Mushroom Soup \$523 Add To Card

Key lime pie \$720

Pizza \$499

Papdi Chaat \$190

Dahi bada \$170

Flight Reservation System 2024

FlyHighHub.com

## Flight Management System

Food Menu Card:

\$9,921

Paying To FlyHighHub.com

Pay With PayPal

Pay With NetBanking

Pay using credit or debit card

Card Number: XXXX-XXXX-XXXX-XXXX

Expiry Date: mm yyyy CVC: 1234

Card Holder Name: Full Name

Pay Now

Flight Reservation System 2024

FlyHighHub.com

## Flight Management System

Payment Summary

Thankyou suyash Your Payment Reciept Is Ready.

Professional Plan	\$49 per month
Base Fair	\$200
Seat Fair	\$9081
Food Charges	\$640
Total	\$ 9,921

Professional Plan \$49 per month

Base Fair \$200

Seat Fair \$9081

Food Charges \$640

Total \$ 9,921

Proceed To Boarding Pass

Flight Reservation System 2024

# Boarding Pass



FlyHighHub.com

Flight Management System

Success!

Your Boarding Pass is Ready to download!

OK

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FlyHighHub.com

Flight Management System

Success!

Boarding Pass Was Sent to Your E-mail Id Successfully!

OK

Flight Reservation System 2024

10 Dec 2024 15:00

IND

Hyderabad

H101

Flight

Boarding

15:20

Departure

10 Dec 2024

12:00

Tester 1 no

23years, Indian

CODEFROG

Barcode

10 Dec 2024 12:00

IND

Gwalior

Class

Business

Gate

G1

Arrival

10 Dec 2024

15:00

B3

Flight Reservation System 2024

# Dashboard



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## Flight Management System

### About Us

FlyHighHub.com is one of the leading travel organisations in India, aiming to offer exclusive travel services to diverse explorers.



**Established in 2008: Pioneering India's Online Travel Landscape**

Established in 2008, FlyHighHub.com is India's second-largest\* online travel platform. Operating initially from a small space, we overcame challenges through determination and familial support, evolving into a resilient entity ensuring financial stability. Transitioning to a customer-facing model in 2011, we adopted a 'no convenience fee' policy, attracting a loyal customer base with transparent pricing and exceptional service.

[Read More](#)

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## Flight Management System

### Our Services:

 **Flight Booking**  
Book flights to numerous domestic and international destinations with ease. Access to a wide range of dates to fit your schedule and budget.

 **Group Bookings**  
Specialized services for corporate clients, including bulk bookings and corporate discounts. Avail of special discounts and services for group travel.

 **Secure Payment Options**  
Pay securely using credit cards, debit cards, and other payment methods. Your payment information is protected with advanced security measures.

 **Booking Management**  
Modify or cancel your bookings effortlessly through our user-friendly platform. Receive your e-

 **Travel Insurance**  
Protect your trip with travel insurance covering cancellations, medical emergencies, and more.

 **Customer Support**  
Our dedicated support team is available around the clock to assist you with any queries or issues. Get

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## Flight Management System



Hello Suyash

Username: suyash

Email: suyashkhareji@gmail.com

Date of birth: 24/04/2024

[Update](#)

[f](#) [t](#) [i](#) [y](#)

Flight Reservation System 2024

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## Flight Management System

**Let's get in touch**

To share your feedback/complaints/suggestions or to reach out to our Customer Experience Team.

 92 Cherry Drive Uniondale, NY 11553  
 lorem@ipsum.com  
 123-456-789

Connect with us :

**Contact us**

Username:

Email:

Phone:

Message:

[Send](#)

Flight Reservation System 2024

# CONCLUSION

The Flight Management System is a Java-based booking solution that consolidates data from multiple airline carriers, providing real-time information to users. The system caters to two types of users: **customers** and **administrators**. Customers can create an account, login, check available flights, book, view bookings, and cancel or modify bookings. Administrators can login, add flight, schedule, and route details, view these details, and cancel or modify them. The system provides a seamless booking experience for customers and simplifies the management of bookings for administrators.

# TEAM MEMBERS

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**Suyash Khare**

**Anshul Pawar**

**Harshith Challa**

**Mallika Gajjala**

**Meghana Gaonkar**





Thank  
You