

● TEAM 3

# FLIGHT MANAGEMENT SYSTEM



# TEAM MEMBERS

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**Meghana Gaonkar**

# MENTOR

**Sanjeev G**

**Infosys**  
Springboard



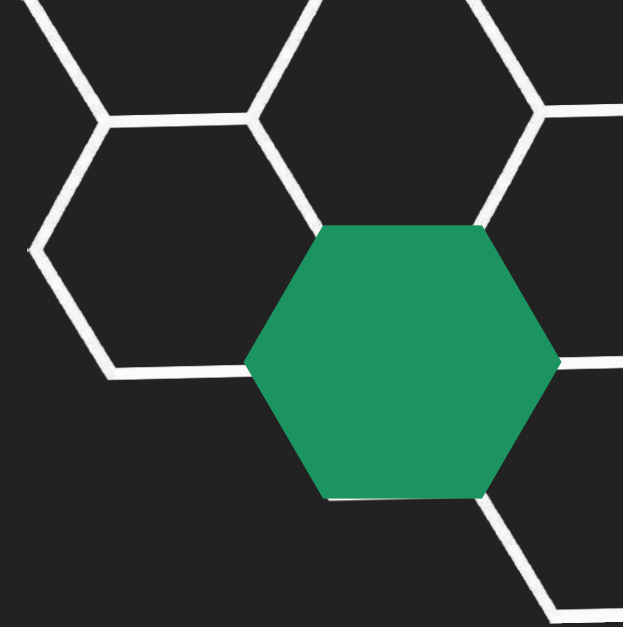
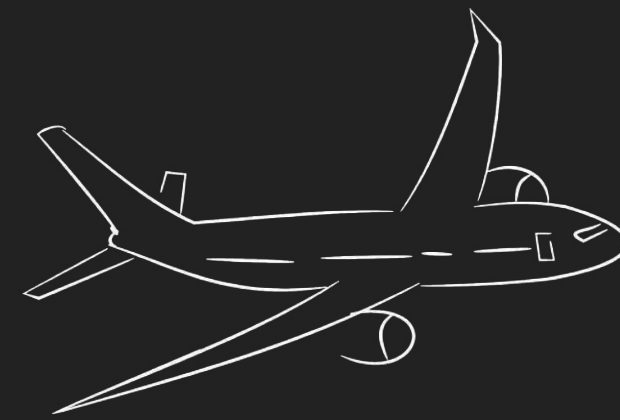
# Introduction



- 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

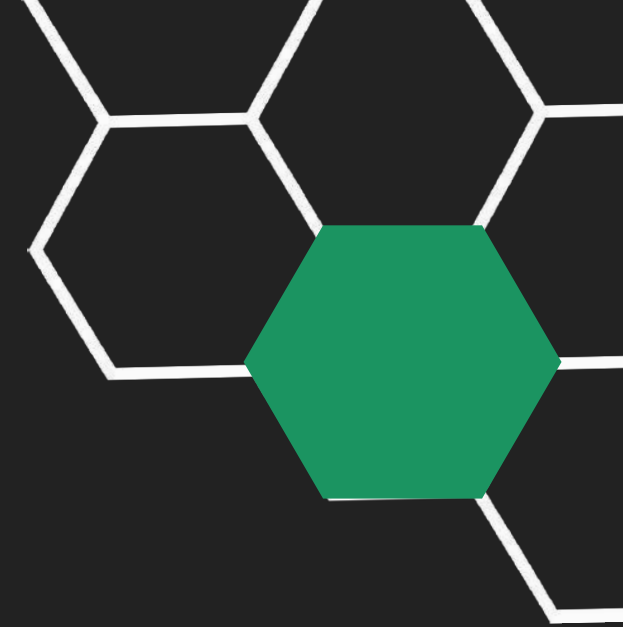
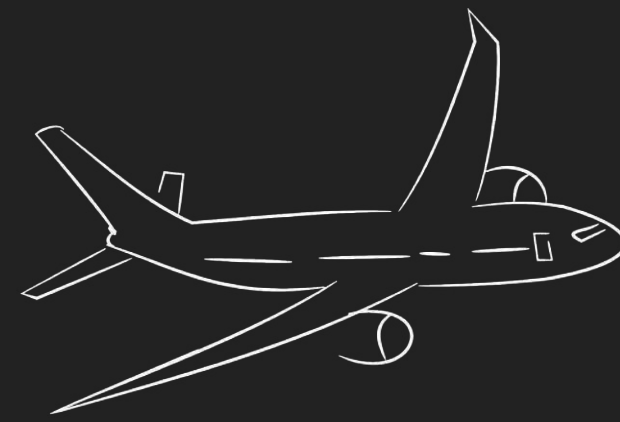


## CUSTOMER FEATURES

- **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



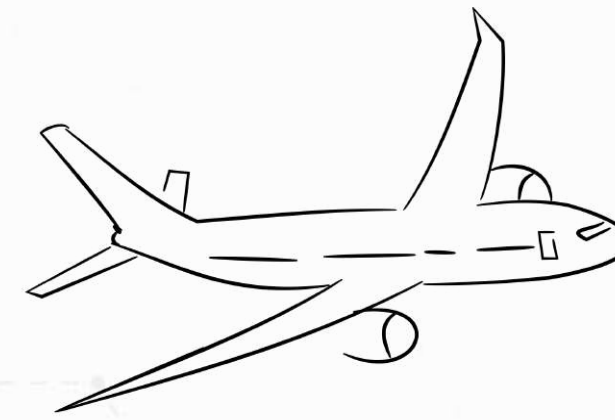
## Administrator Features

- **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 tables to store details like: Airports, Flights, Schedules, and Availability.

3

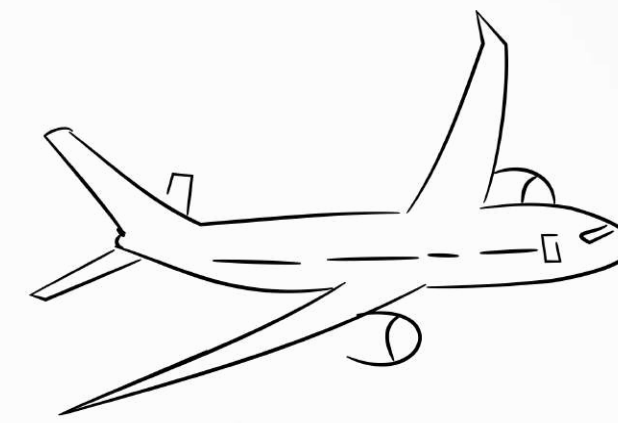
Design a user-friendly flight booking interface. Implement functionality for users to select flights, time slots, and airports. Integrate the scheduling interface with the backend for secure booking details storage.

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 :

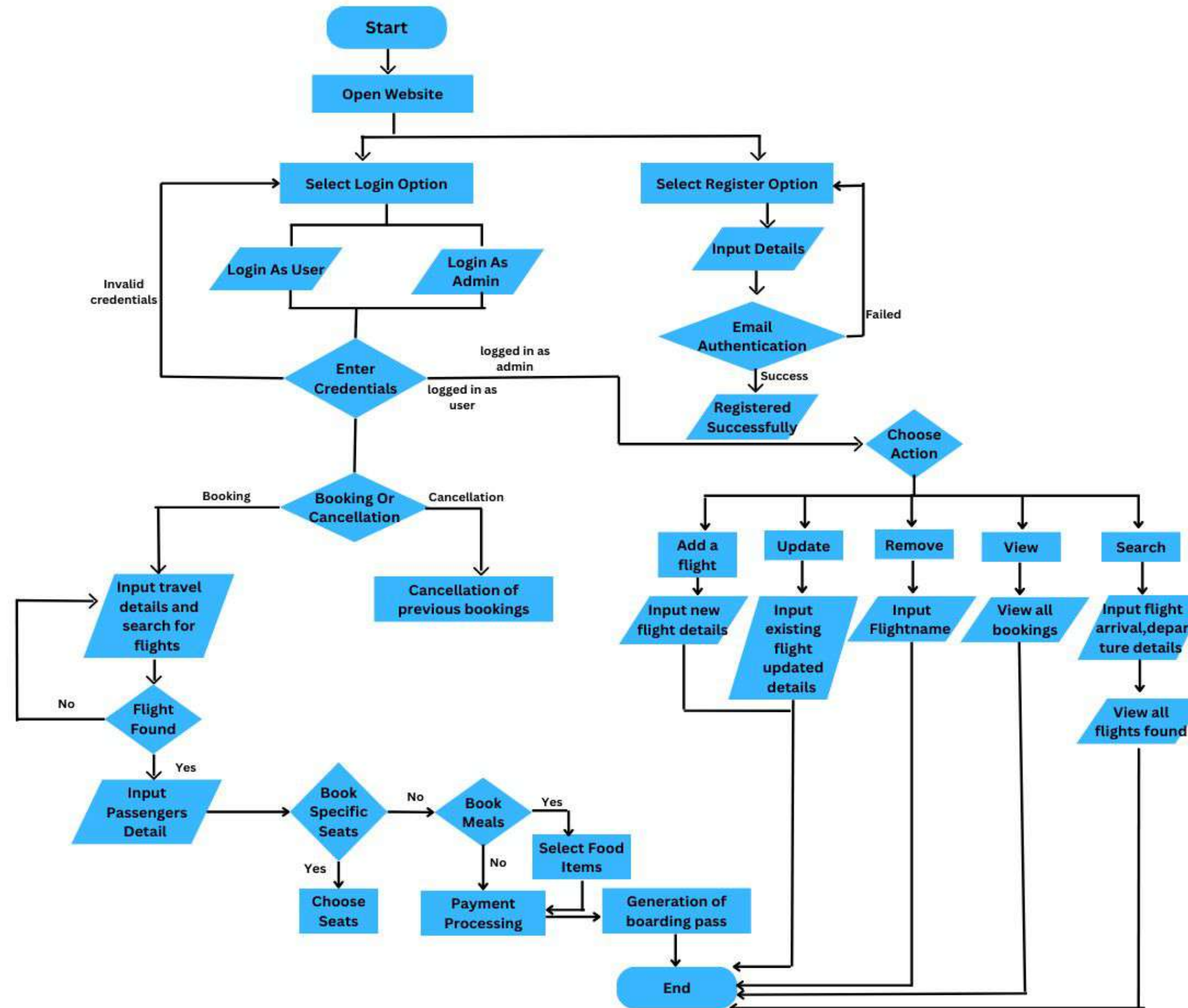
- ❖ Intel i3 CPU or higher.
- ❖ Hard disk-20GB.
- ❖ RAM-2GB or more.
- ❖ Windows 7 (64-bit) or higher/  
MacOS(64-bit) or higher,

## SOFTWARE REQUIREMENT :

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

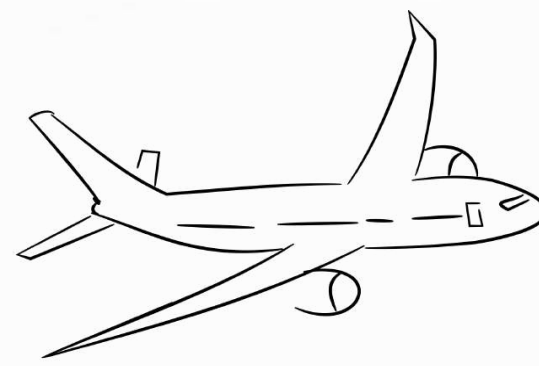


# Flow Chart:

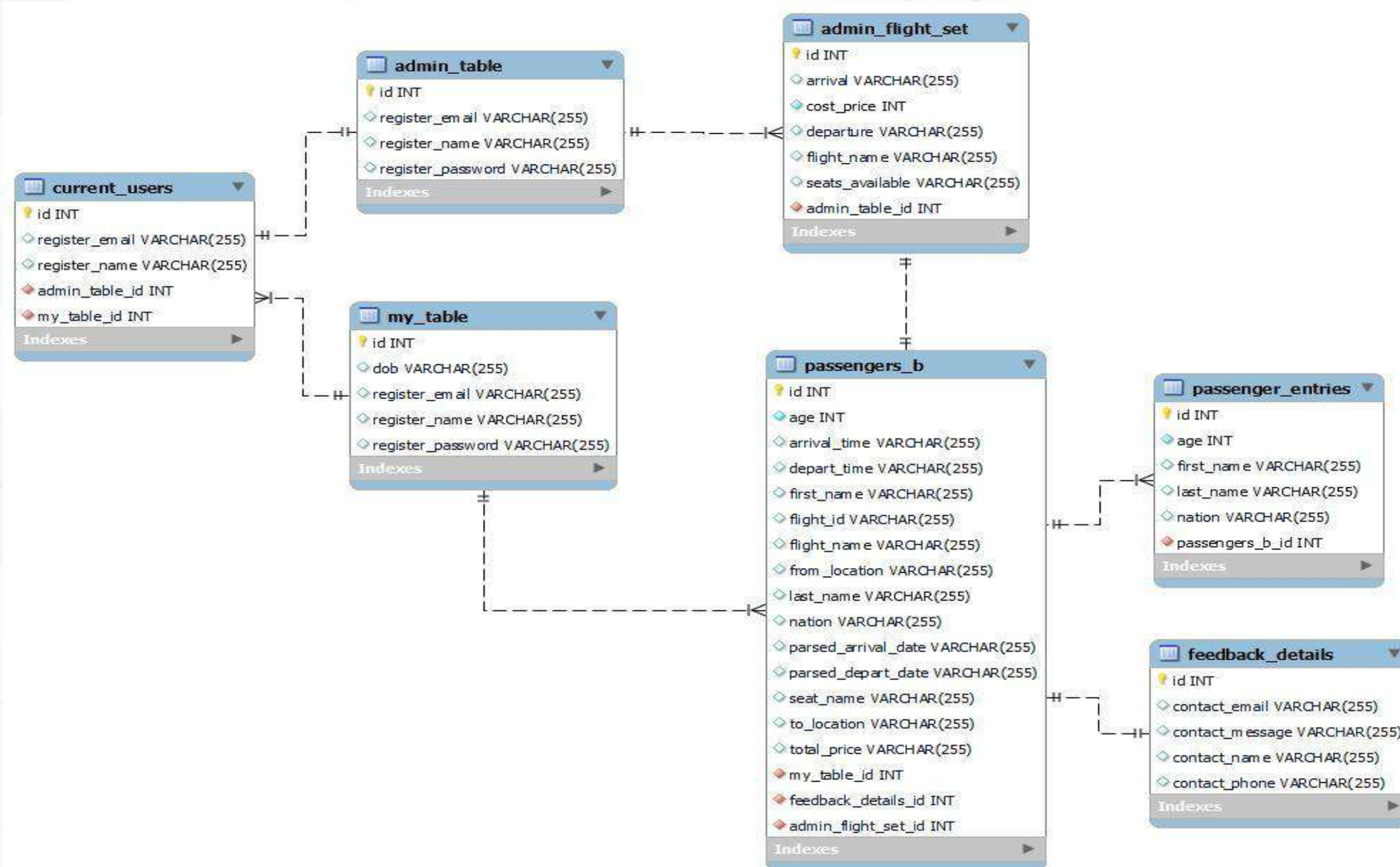




# Class Diagram






B





# Landing Page





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 **✈️ Flight Management System** 

 Dashboard




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LoginRegister



 Username

 Enter Password

☐ Remember me

Login

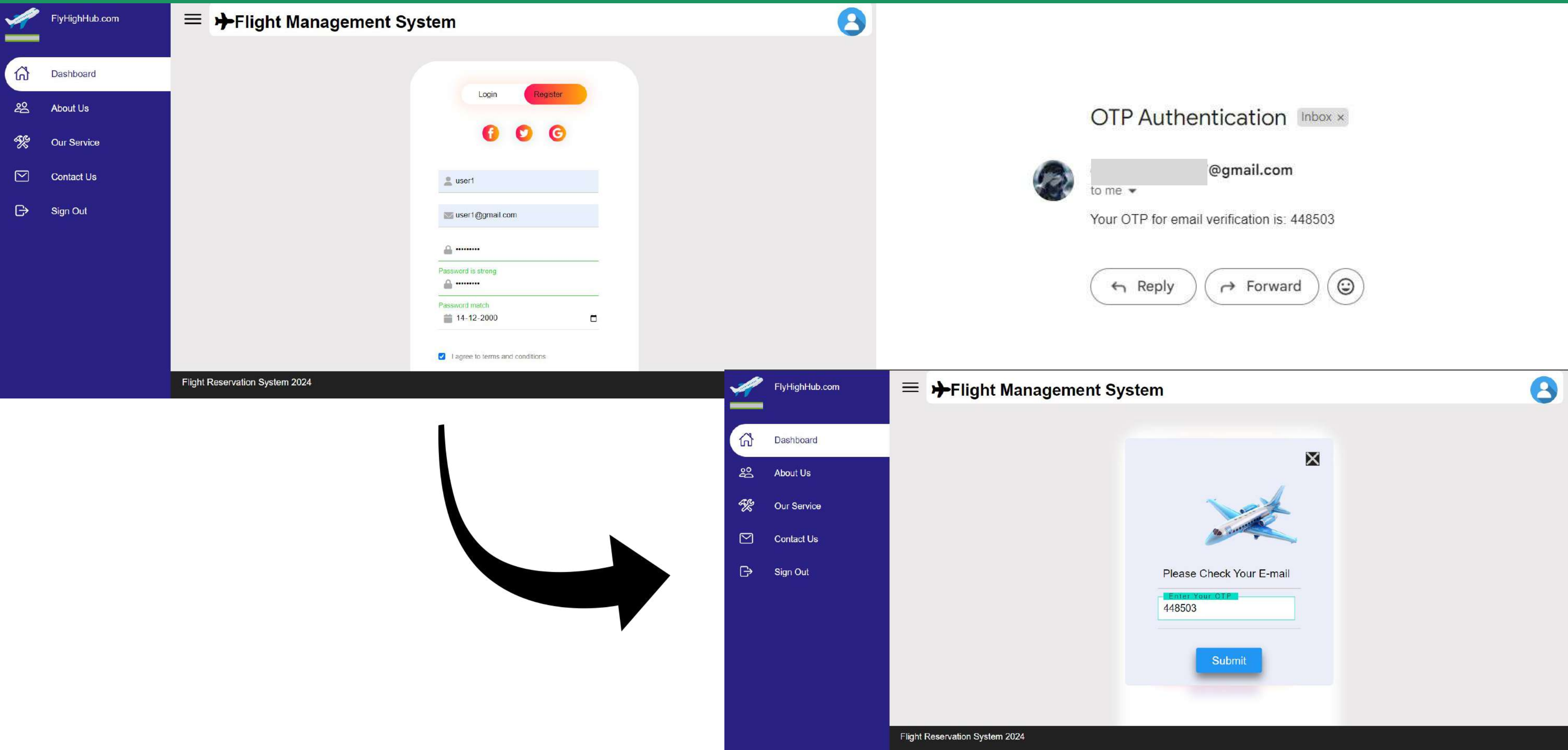
Login as admin

[Forgot your password](#)

Flight Reservation System 2024

localhost:8090/?sessionId=49EE630D25B756764E2B8B0E83D9BB36#

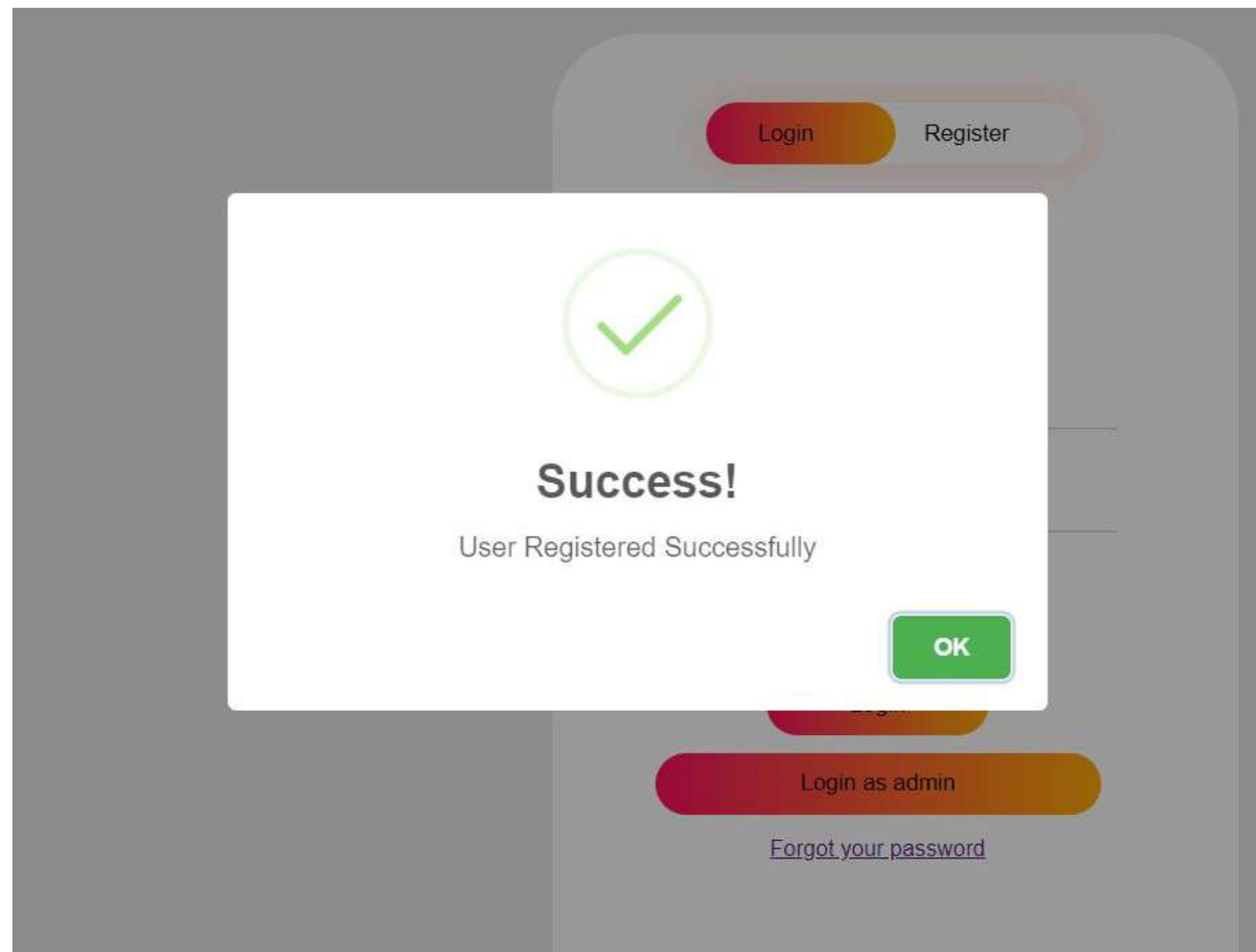
# User Registration



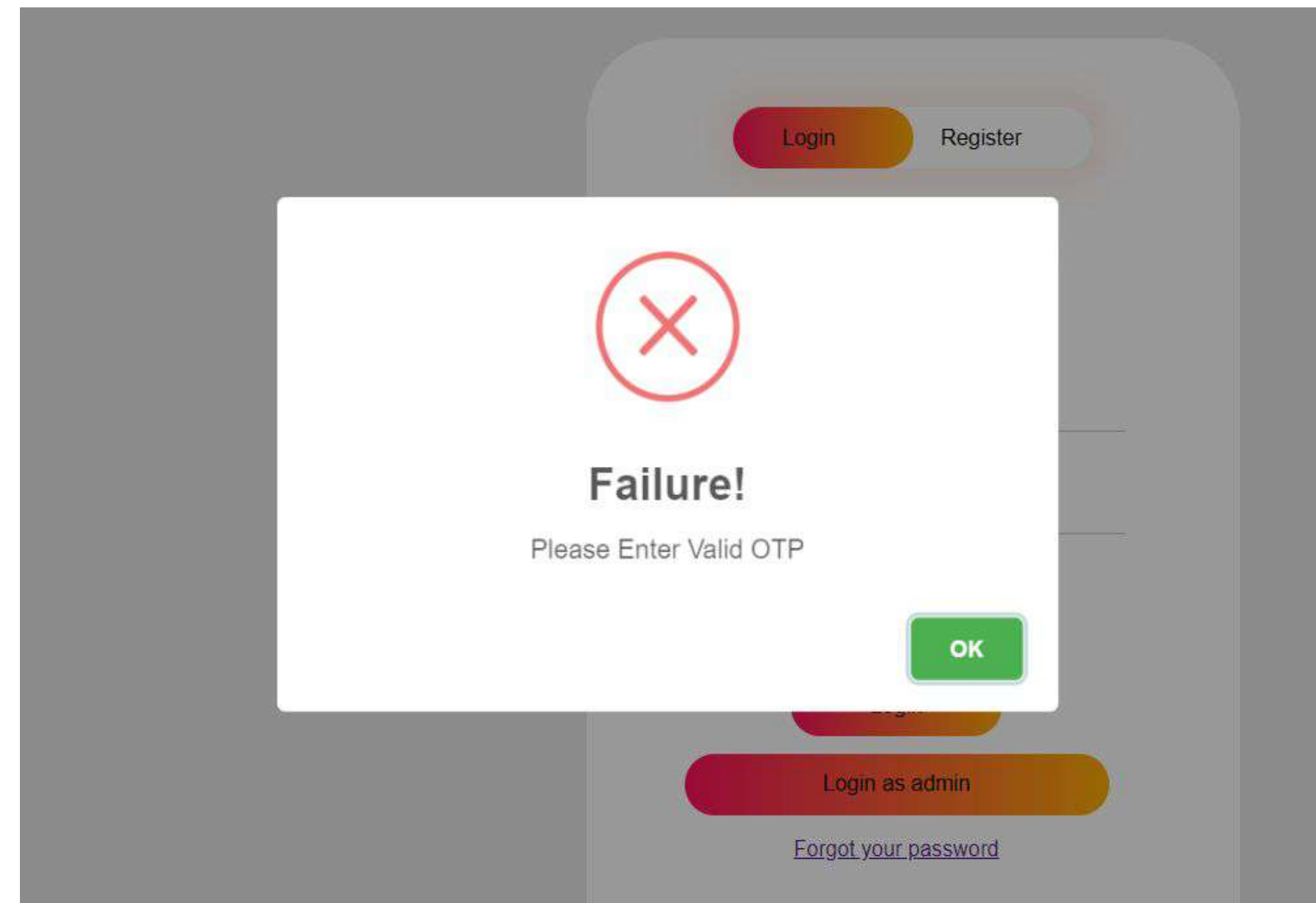
# User Registration



Entering correct OTP:



Entering incorrect OTP:





# Login



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Flight Management System

Login

Register

user1

.....

☐ Remember me

Login

Login as admin

[Forgot your password](#)

For User Login


For Admin Login

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# Reset Password



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≡


✈️Flight Management System




✈️ Password Reset



New Password

 .....

Confirm Your Password

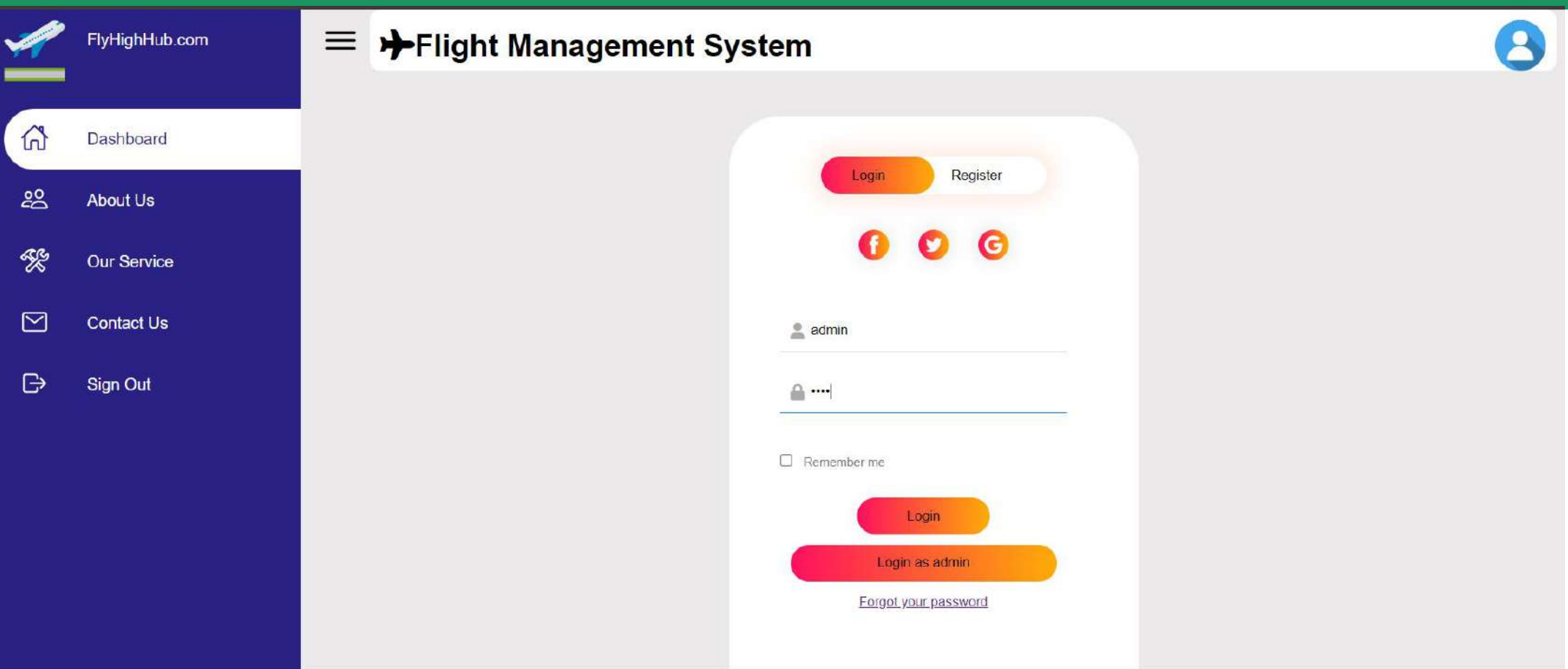
 .....

☐ Remember me

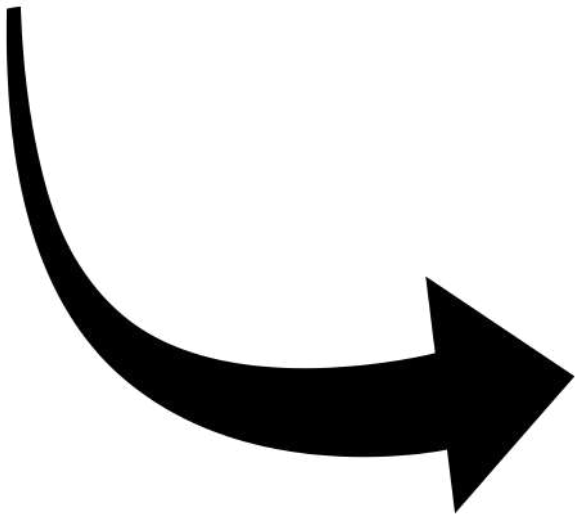
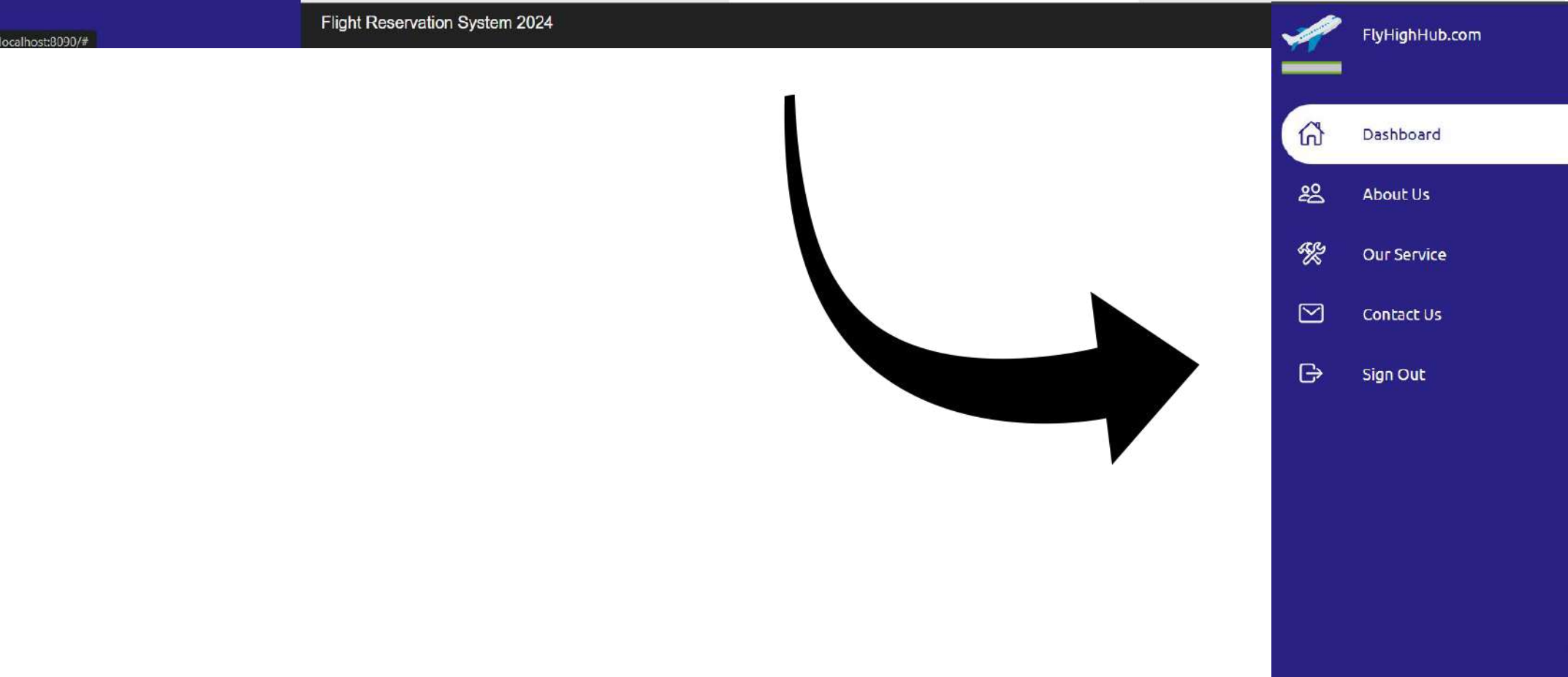
Reset

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# Admin Login





Admin has authorization to add, update, delete, view and search flight data





# Add flights





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AddUpdateRemoveViewSearch



 Indigo

 Agra 12-06-2024 12:00

 Chennai 13-06-2024 1:00

 200


 1000


Add


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# Update flights





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 **Admin Dashboard** 

AddUpdateRemoveViewSearch



 Indigo

 Agra 12-06-2024 1:00

 Chennai 13-06-2024 2:00

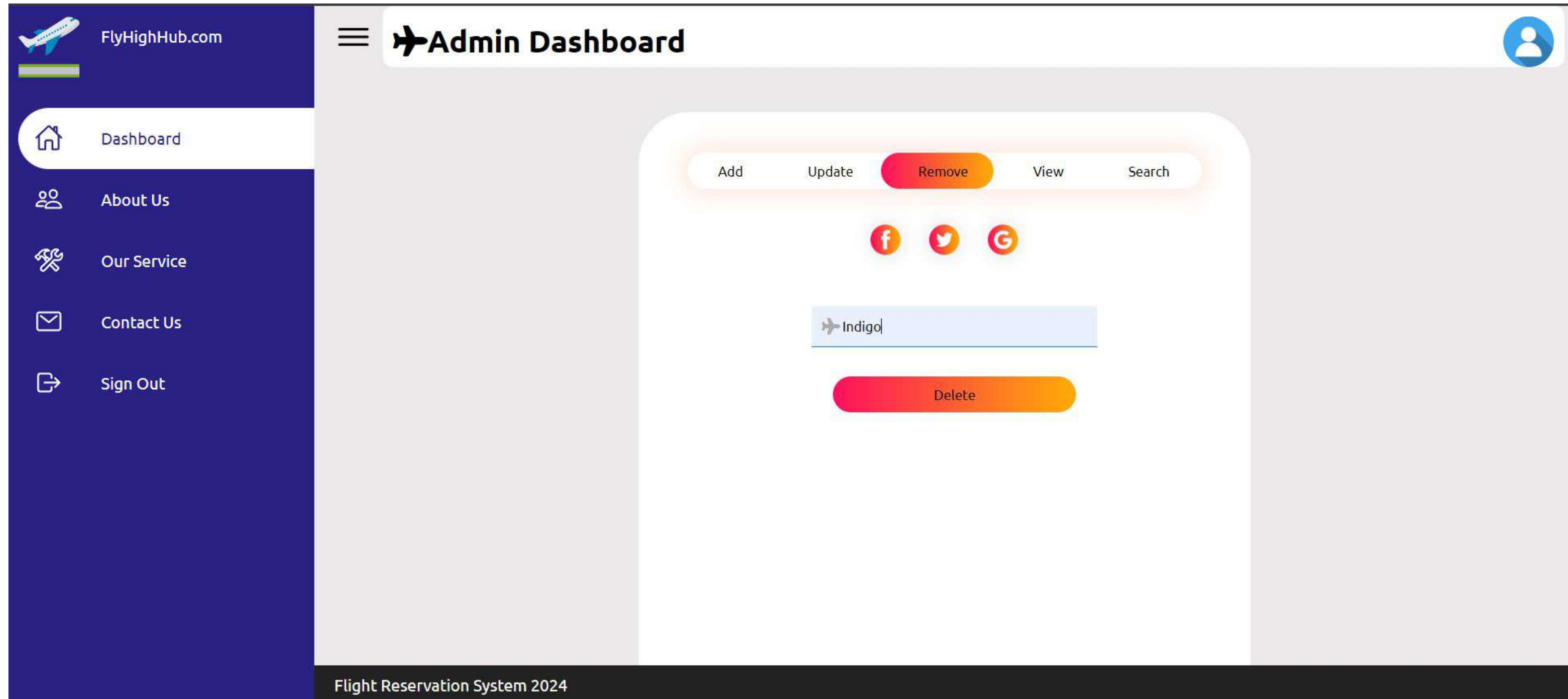
 100

 \$ 1000

Update

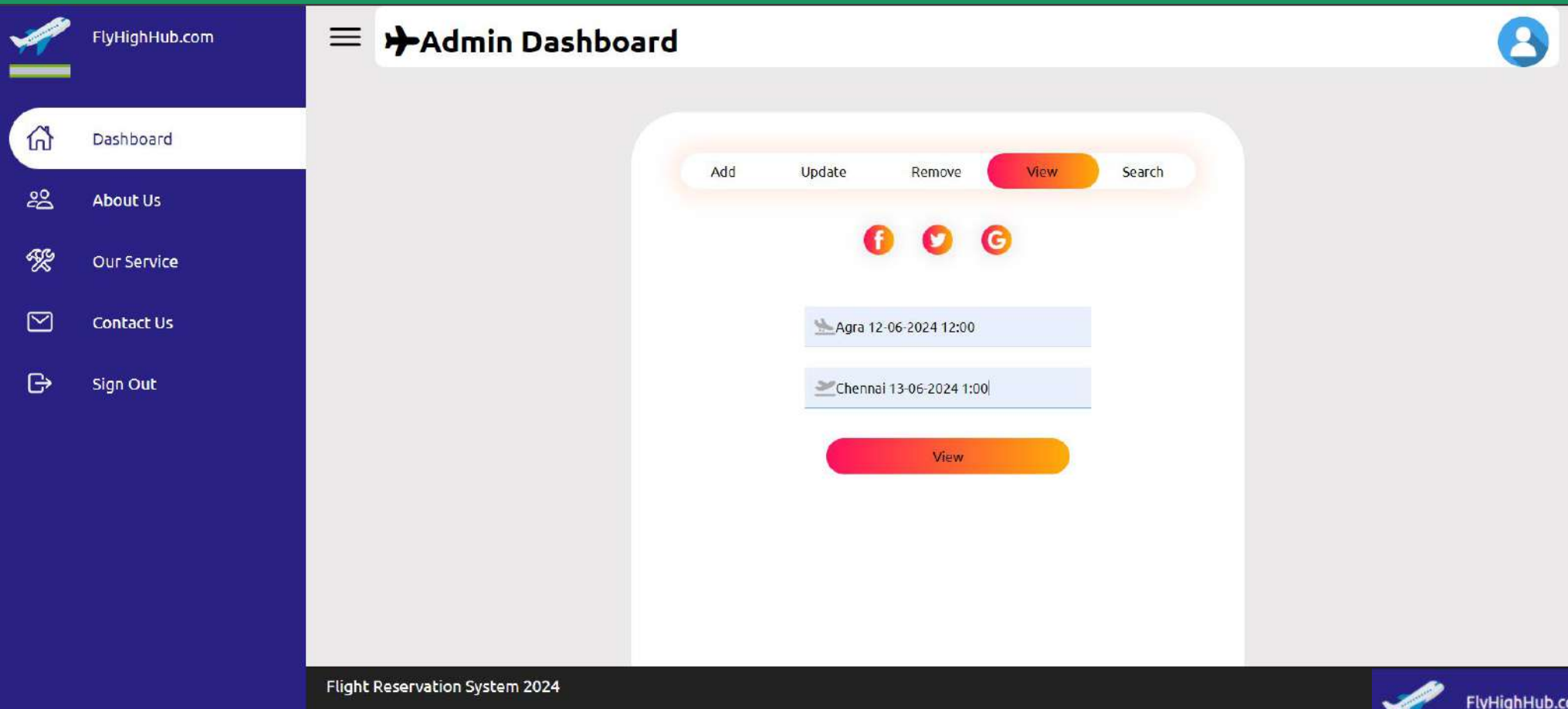
Flight Reservation System 2024

# Remove flights

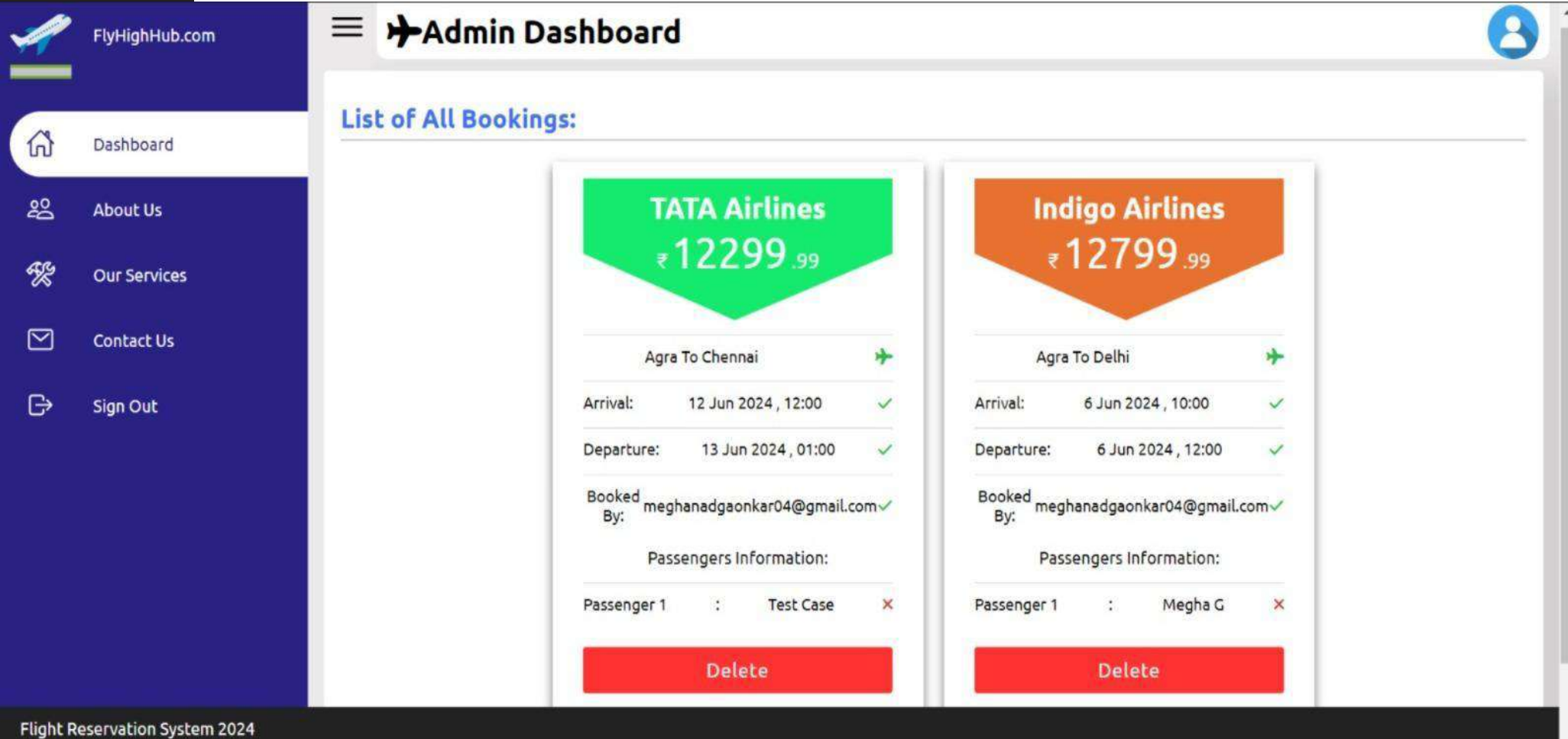
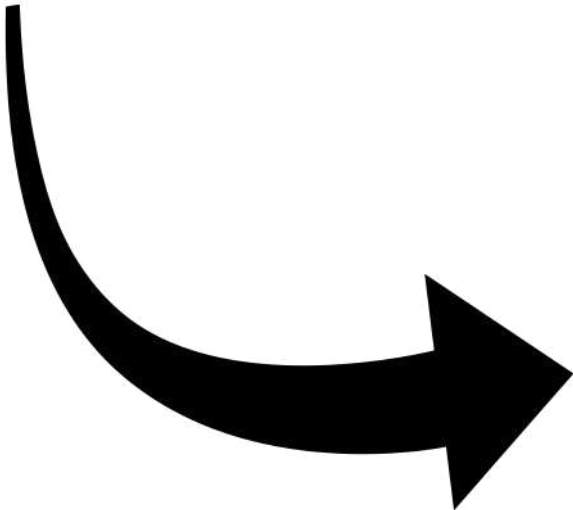




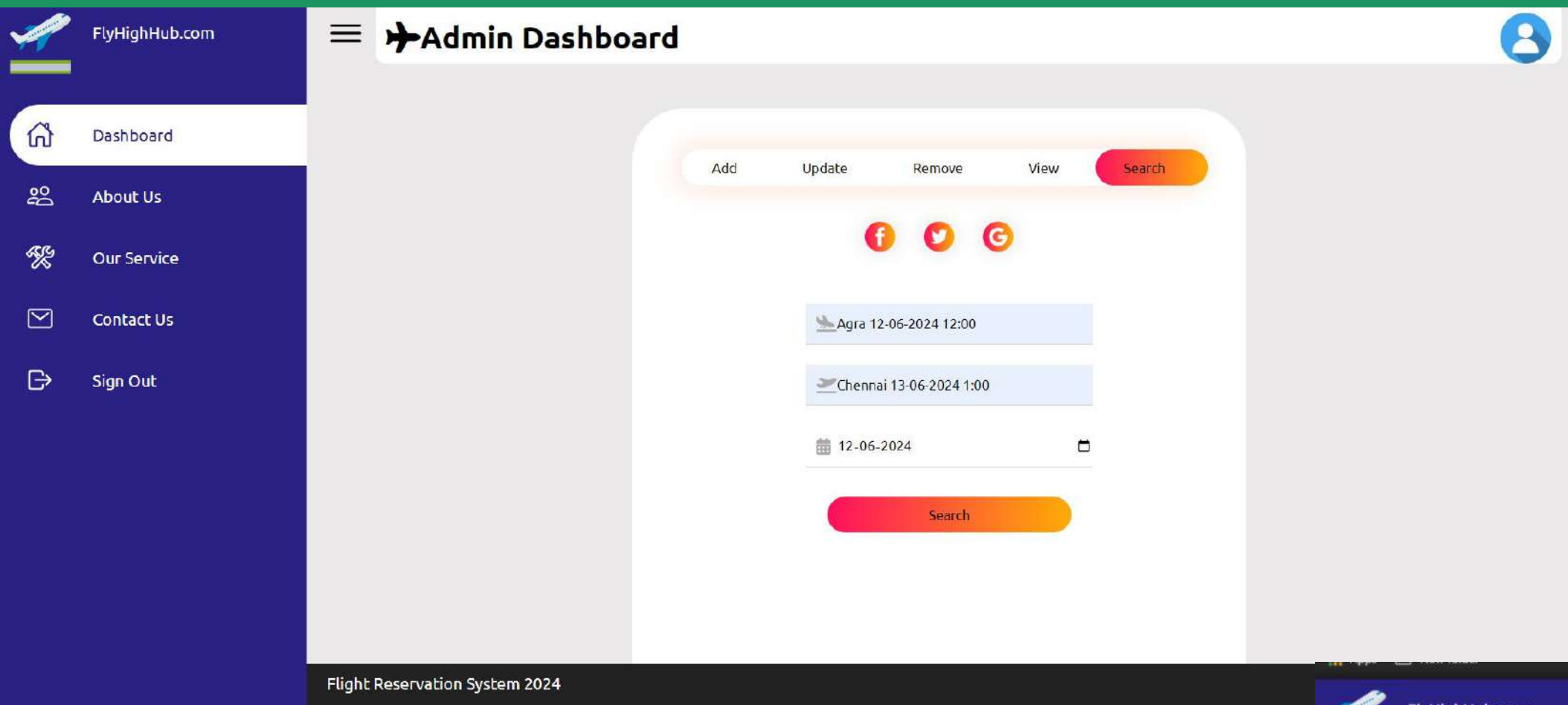
# View Bookings



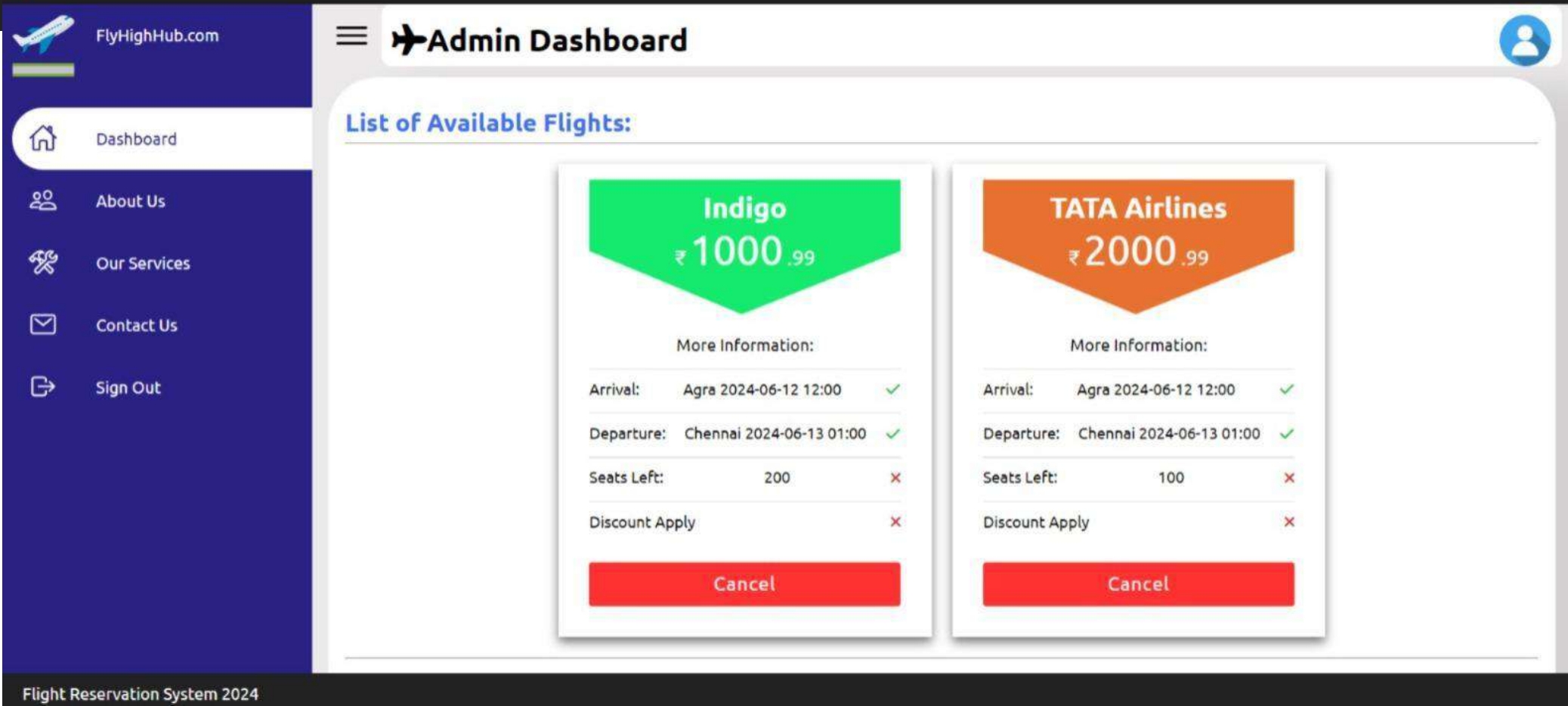
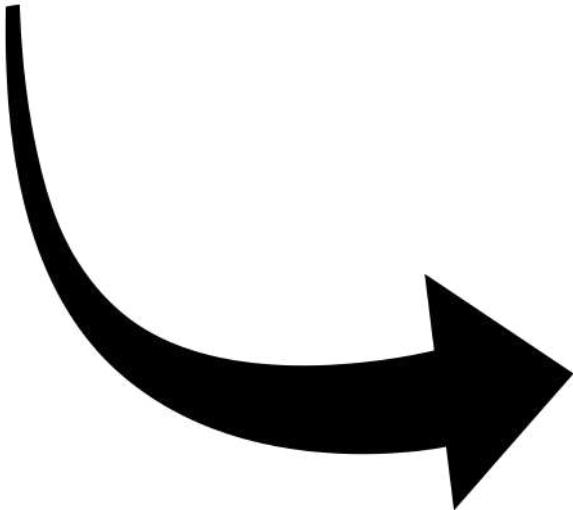
All user booking details are listed in view



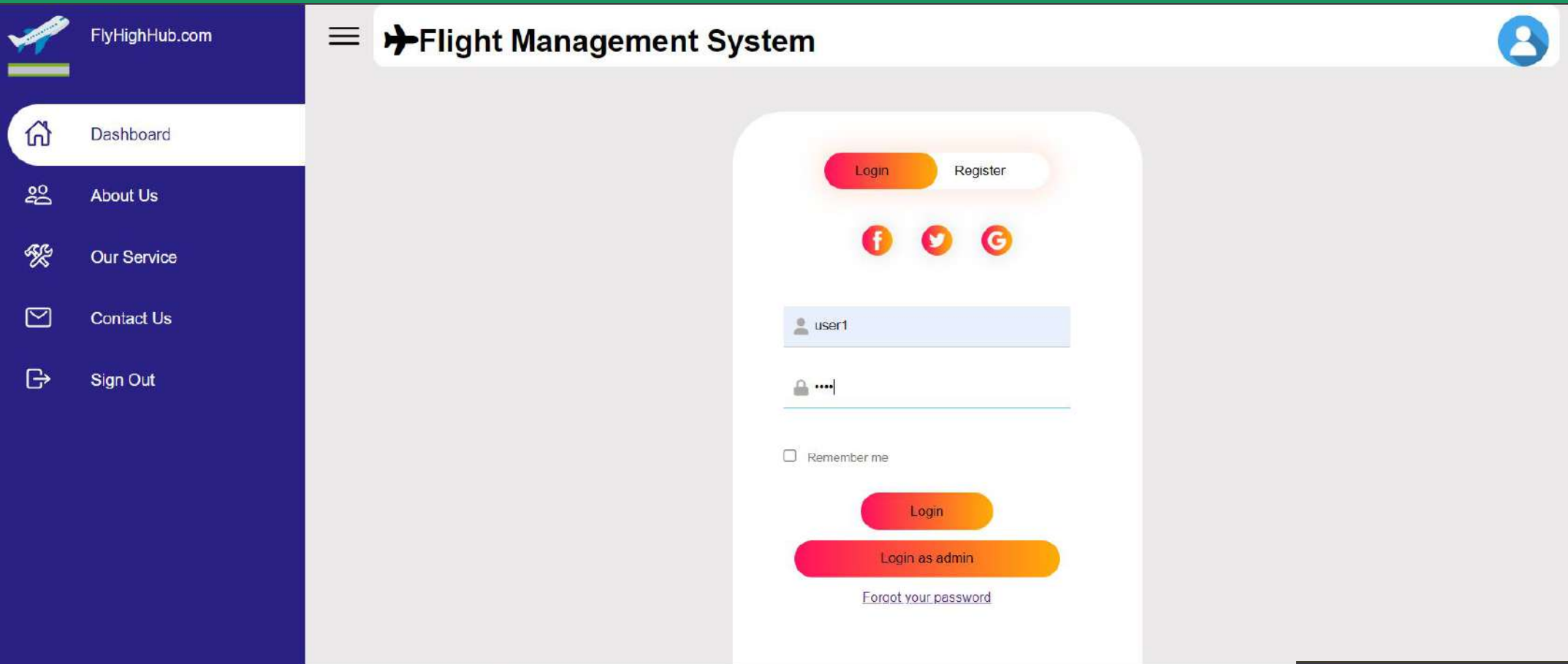
# Search flights



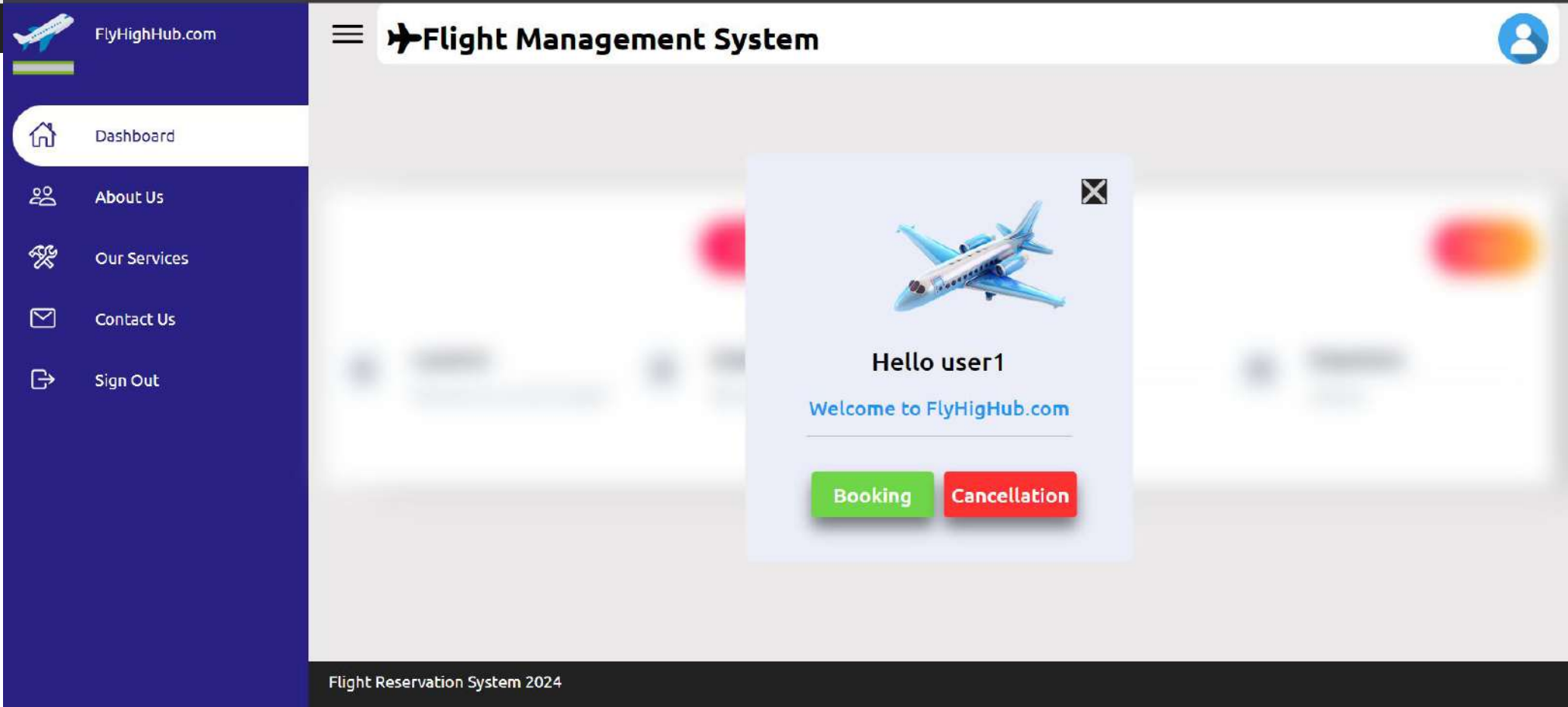
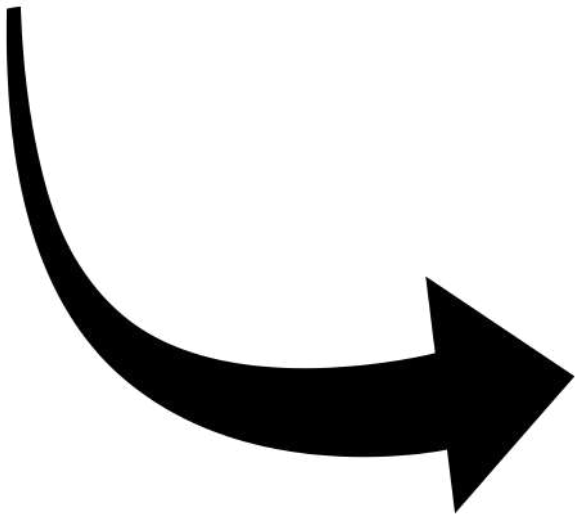
All flights according to arrival and destination details are listed in search



# User Login



User can book flight or request cancelation of bookings



# Flight Booking



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Book Domestic And International Flights

Search

Agra (AGR)

Where are you currently located?

ch

Where are you going?

Chandigarh (IXC)

Chennai (MAA)

2

Add guests

12-06-2024

Add date

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List of Available Flights:

Indigo

₹ 1000 .99

More Information:

Arrival:

Agra 2024-06-12 12:00

✓

Departure:

Chennai 2024-06-13 01:00

✓

Seats Left:

200

✗

Discount Apply

✗

Book Now

TATA Airlines

₹ 2000 .99

More Information:

Arrival:

Agra 2024-06-12 12:00

✓

Departure:

Chennai 2024-06-13 01:00

✓

Seats Left:

100

✗

Discount Apply

✗

Book Now

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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

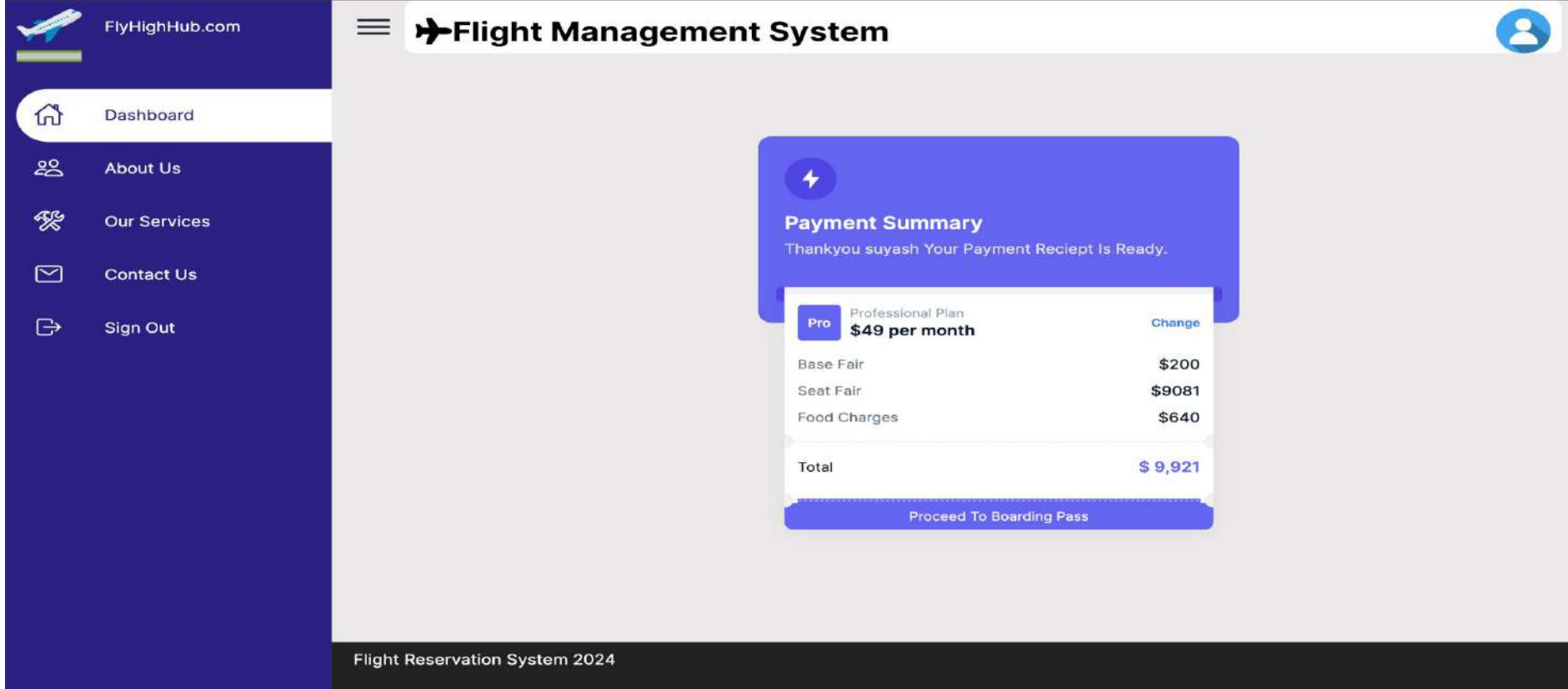
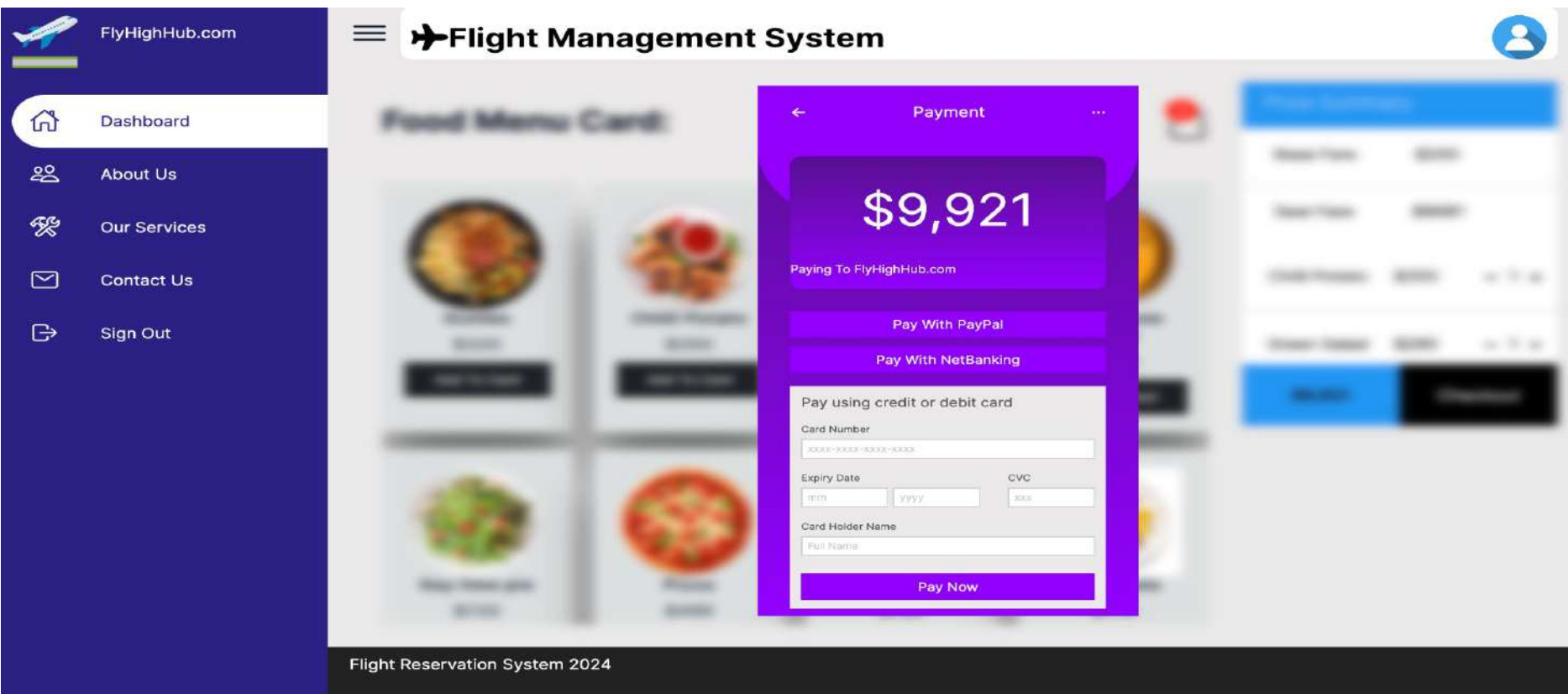
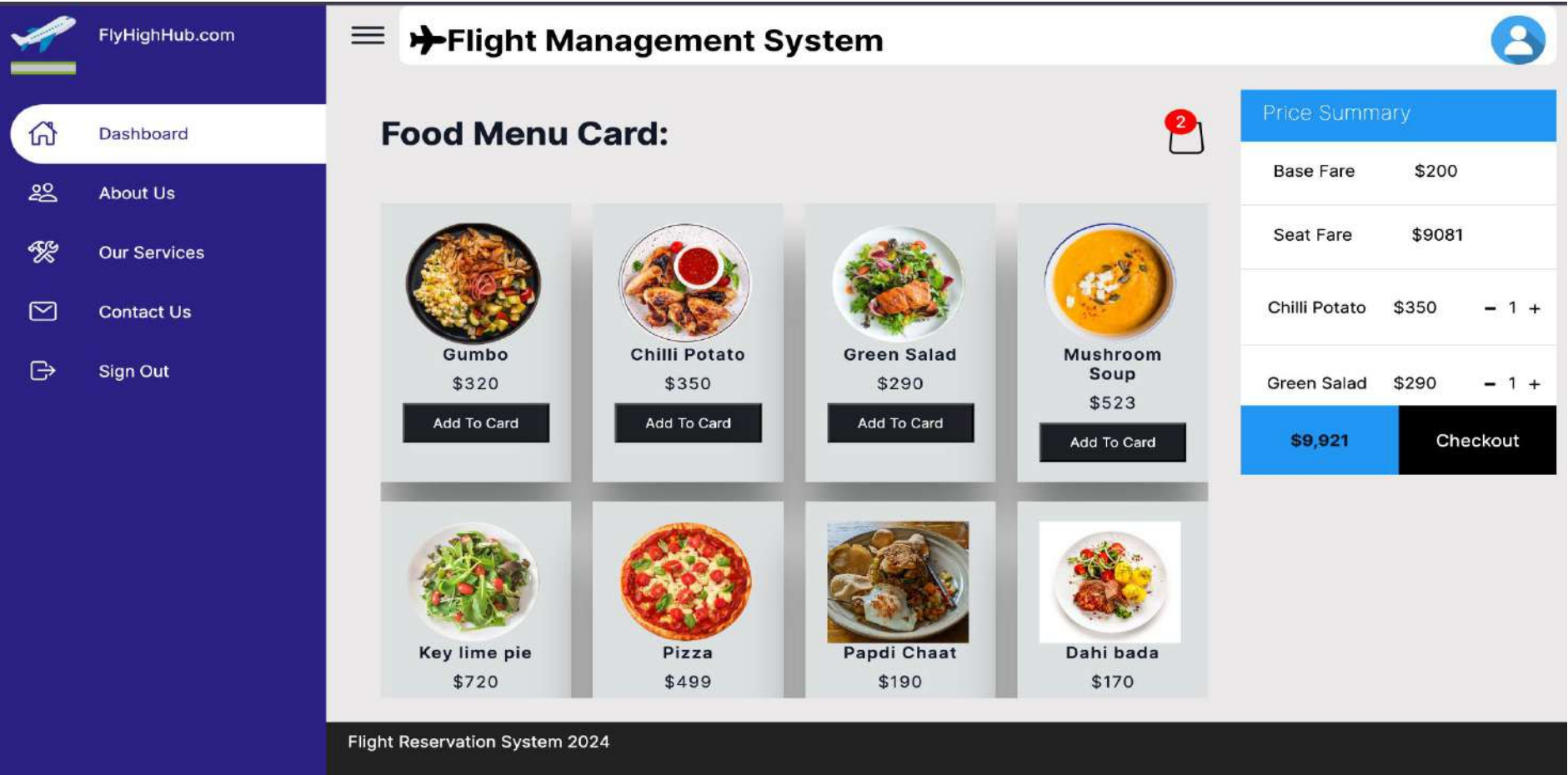
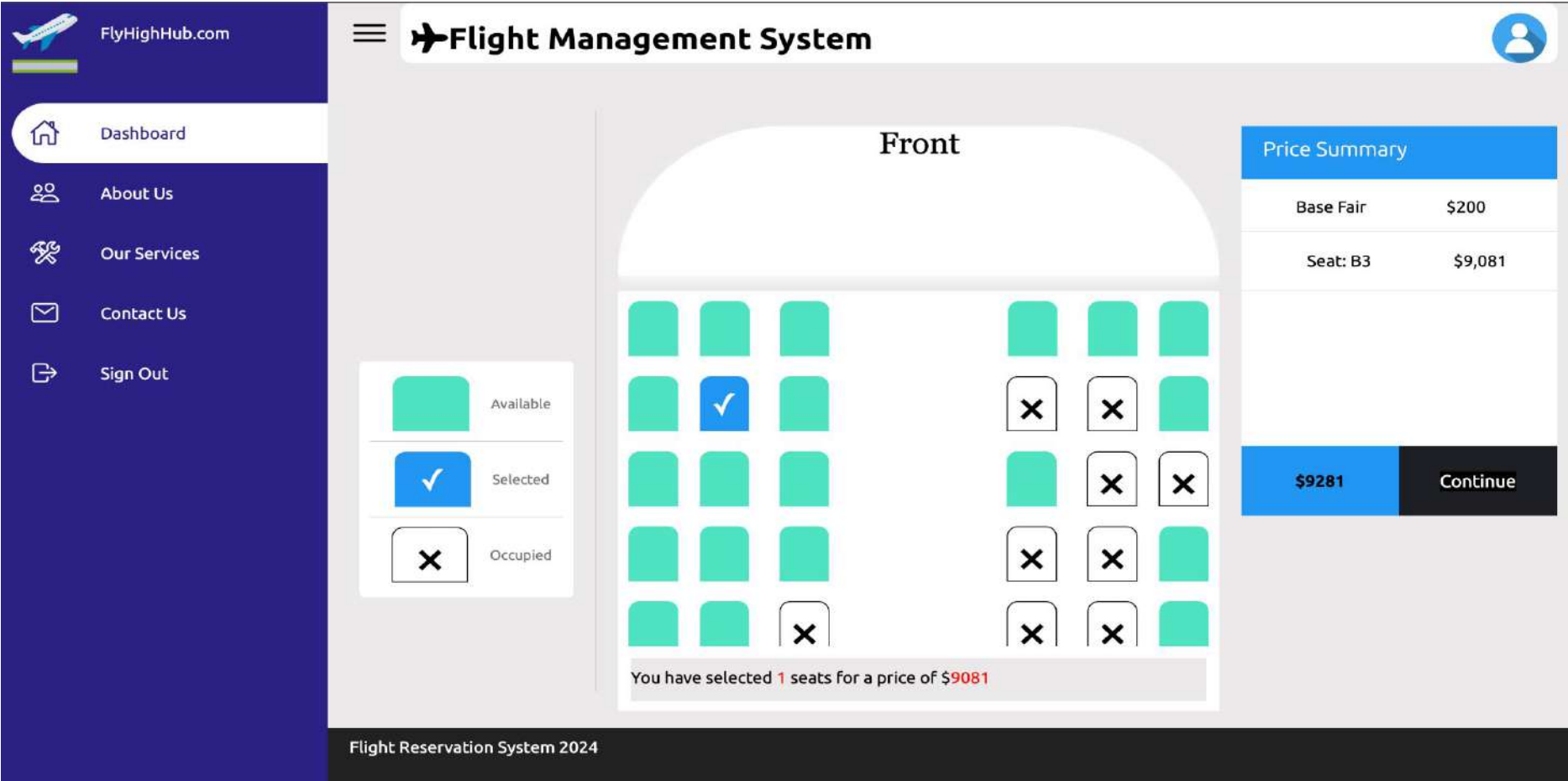
+Add Adult

Proceed To Payment

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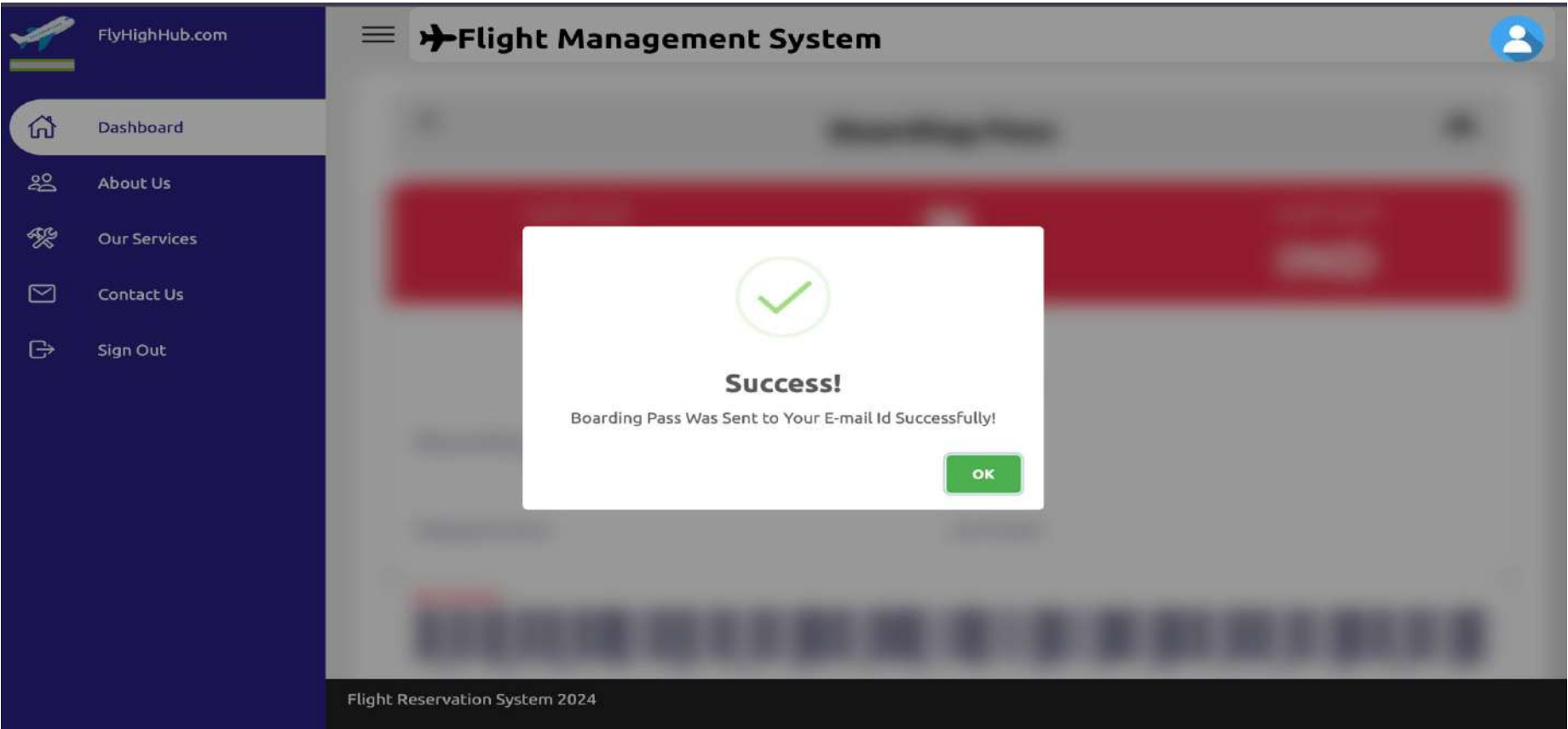
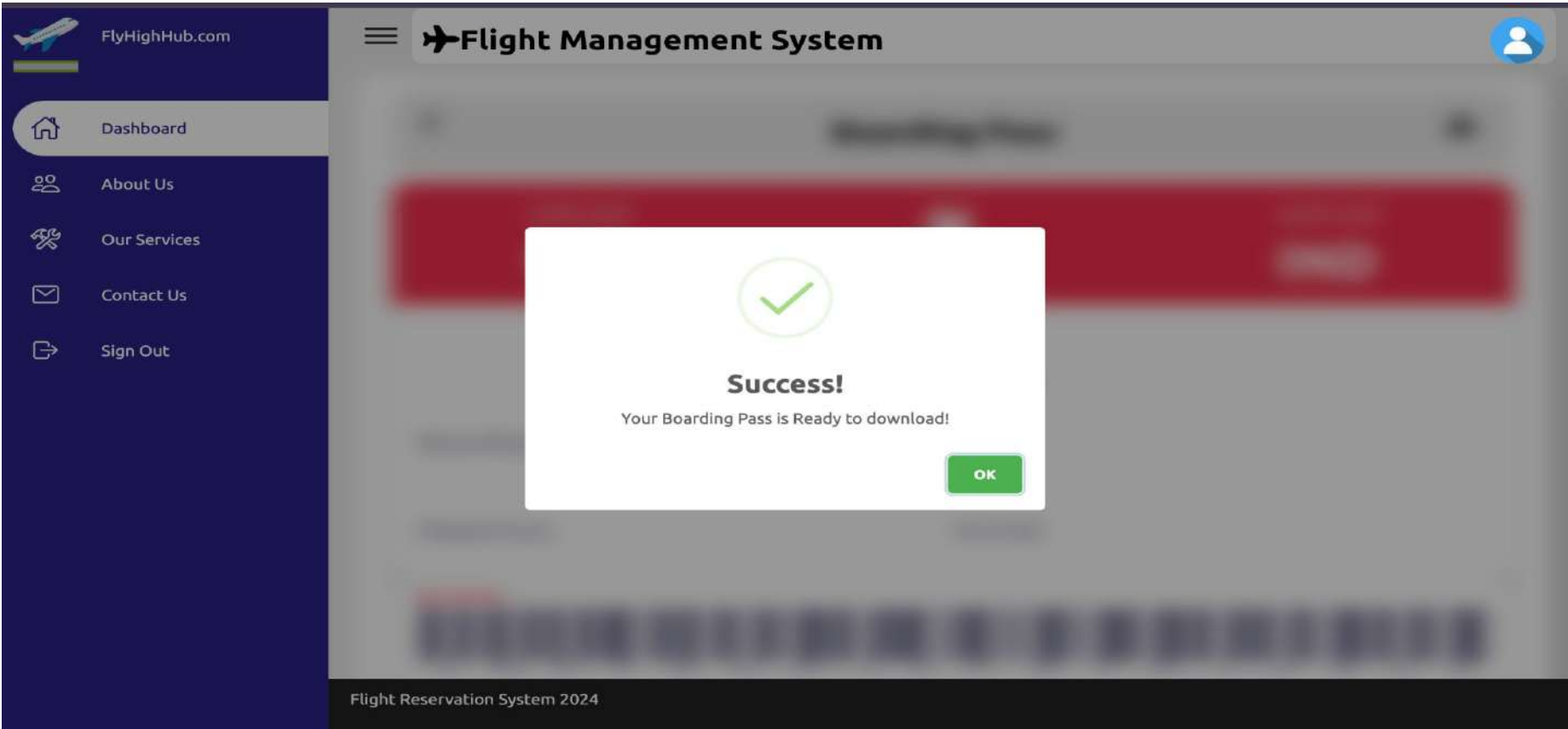


# Flight Booking

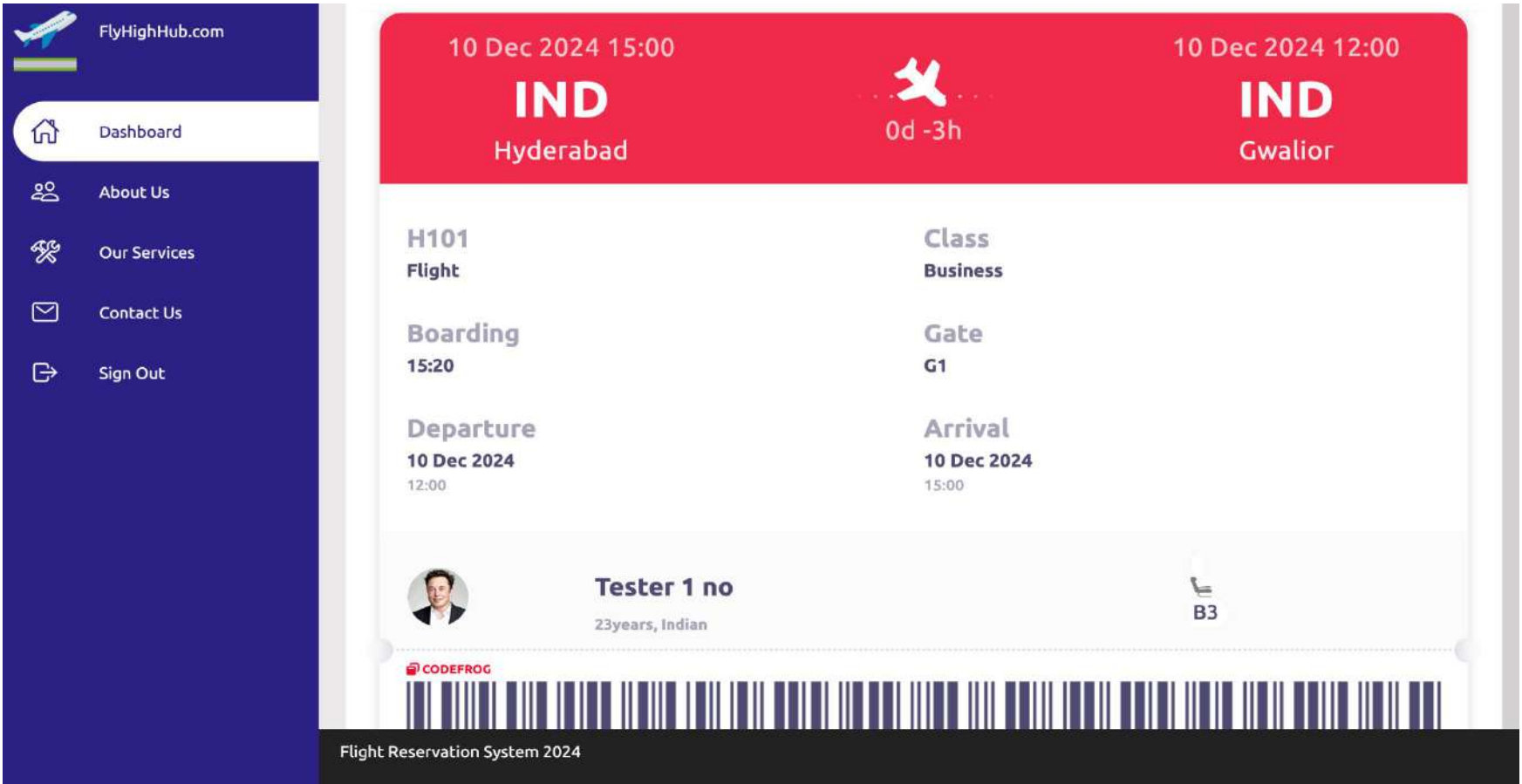




# Boarding Pass




You can  
download your  
boarding pass  
in pdf format





It will also  
be sent  
to your  
mail


# Cancel Booking





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 **✈️ 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

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# 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

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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 :

f

t

i

y

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.



Thank  
You