



NAAN MUDHALVAN

MERN STACK POWERED BY MONGODB

PROJECT NAME: FLIGHT BOOKING APP

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Key Features of the Flight Booking Website

User Registration

The website requires all users to create an account to book flights. The process involves signing up with essential details such as name, email address, and password. Existing users can log in to their accounts using their credentials.

Flight Search

Users can search for flights based on:

- **Departure and Destination Cities:** Enter the desired locations to view available flights.
- **Travel Date:** Specify the departure date to narrow down flight options.
- **Preferences:** Additional filters may include direct flights, preferred airlines, or flight timings.

Flight Selection

From the search results, users can:

- Browse available flight options tailored to their input.
- View important details such as departure time, arrival time, flight duration, layovers (if any), and price.
- Select the most suitable flight for their journey.

Booking Process

Once a flight is selected, the user is guided through a seamless booking process:

- **Seat Selection:** Choose from available seats on the flight, such as aisle, window, or premium options.
- **Traveler Details:** Input details of the passengers, including name, age, and ID details (if required).
- **Review Information:** Double-check the flight details, seat preferences, and traveler information before proceeding to payment.
- **Payment Simulation:** The website simulates a payment gateway for testing purposes. While no real transaction takes place, users can experience the full process of booking a flight.

Ticket Retrieval

After completing the booking process, users can:

- Access their flight tickets in the Profile section.
- View booking confirmations, including seat number, flight details, and other relevant information.

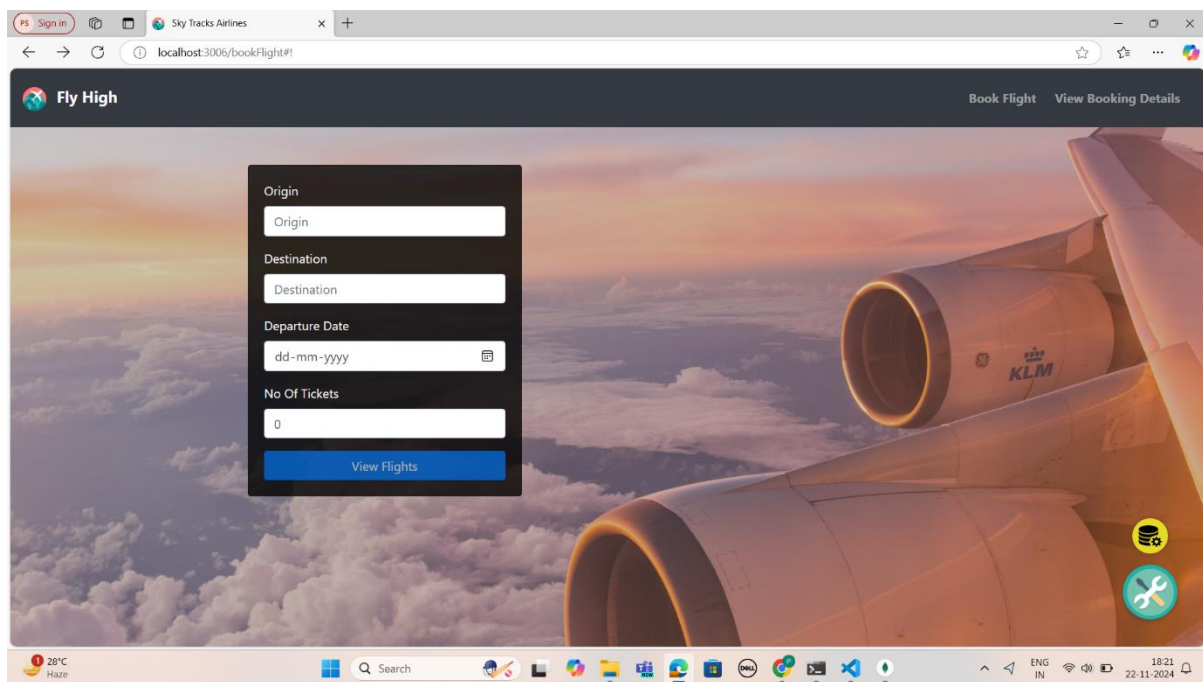
E-Ticket Access

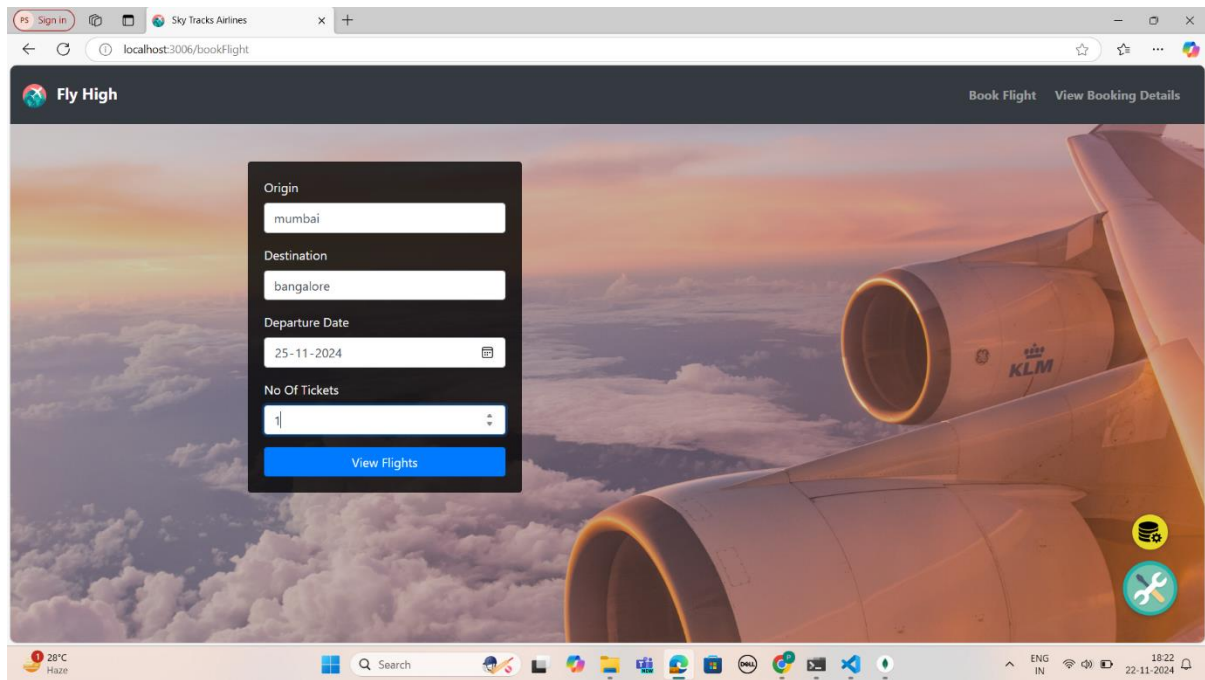
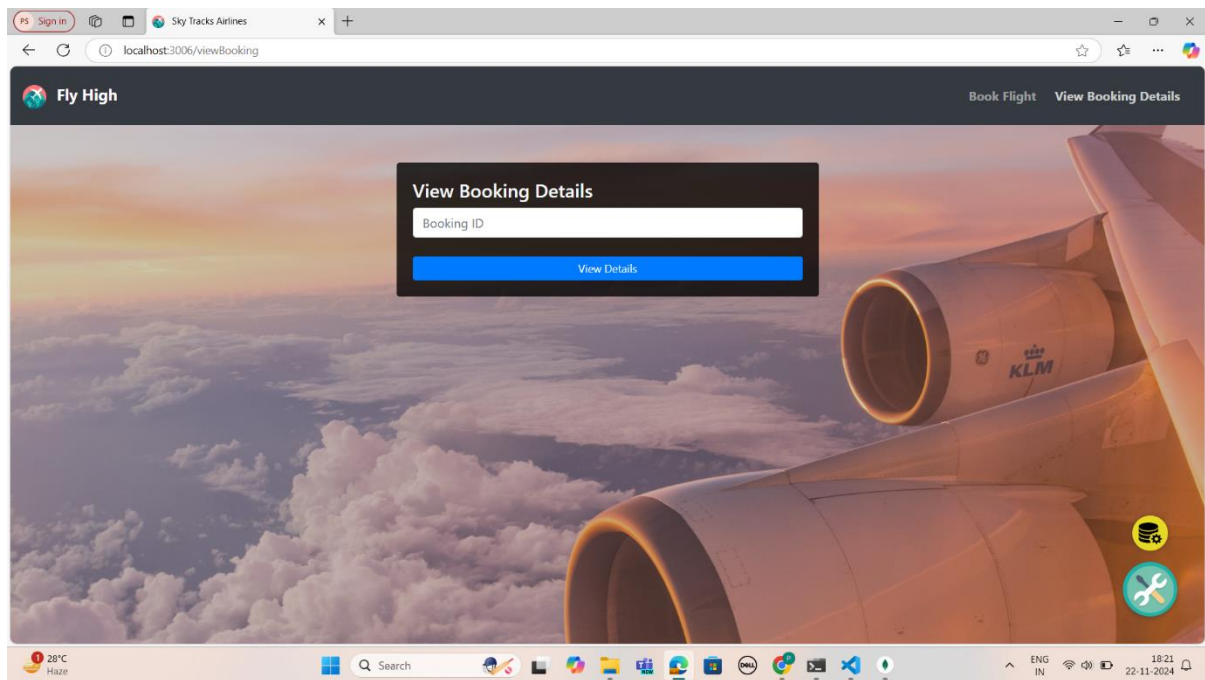
Users can view their electronic tickets (E-tickets) directly in their profiles.

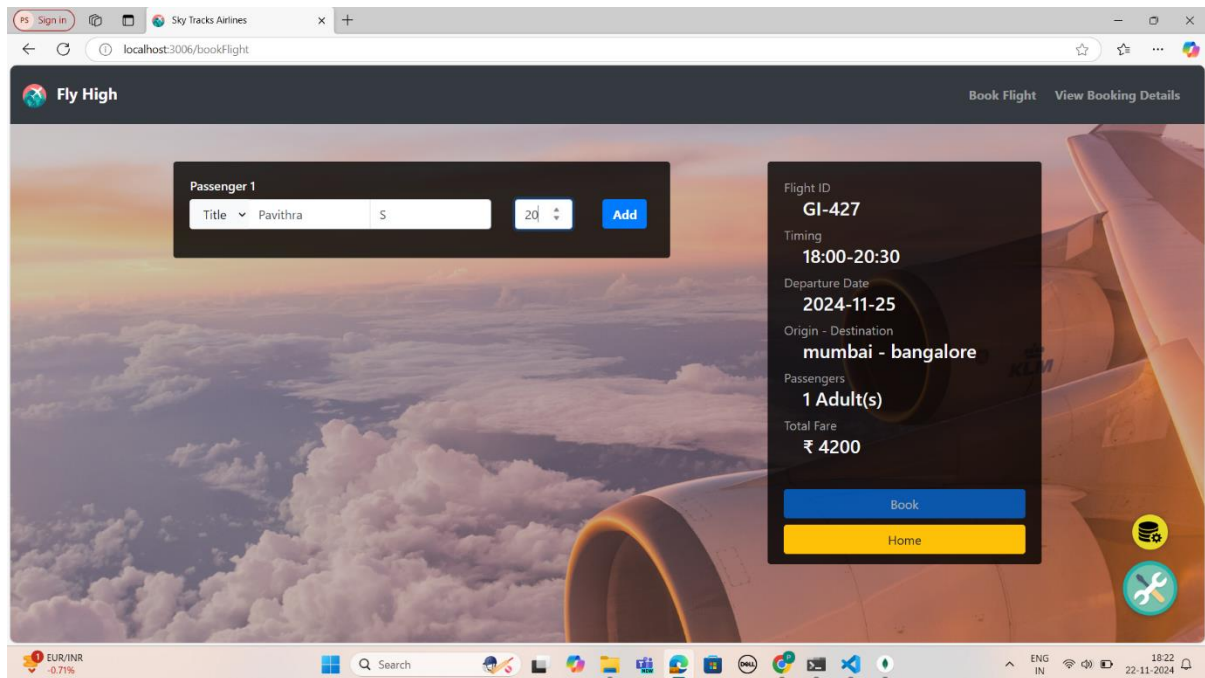
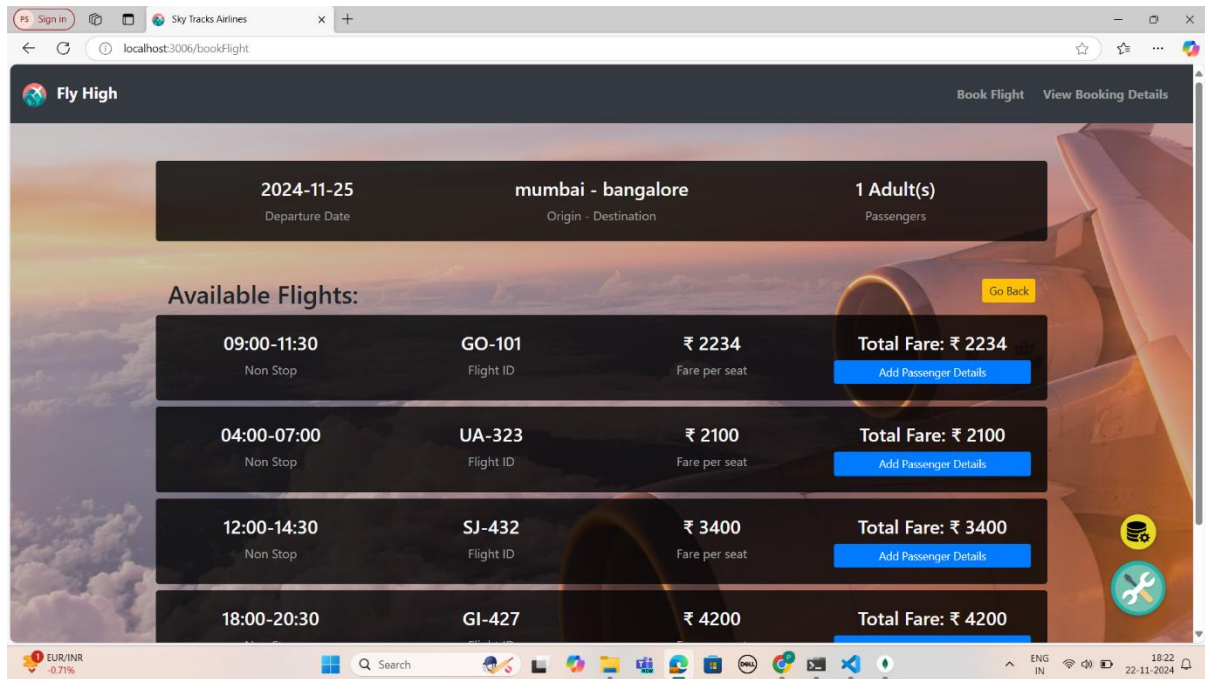
The platform offers options to:

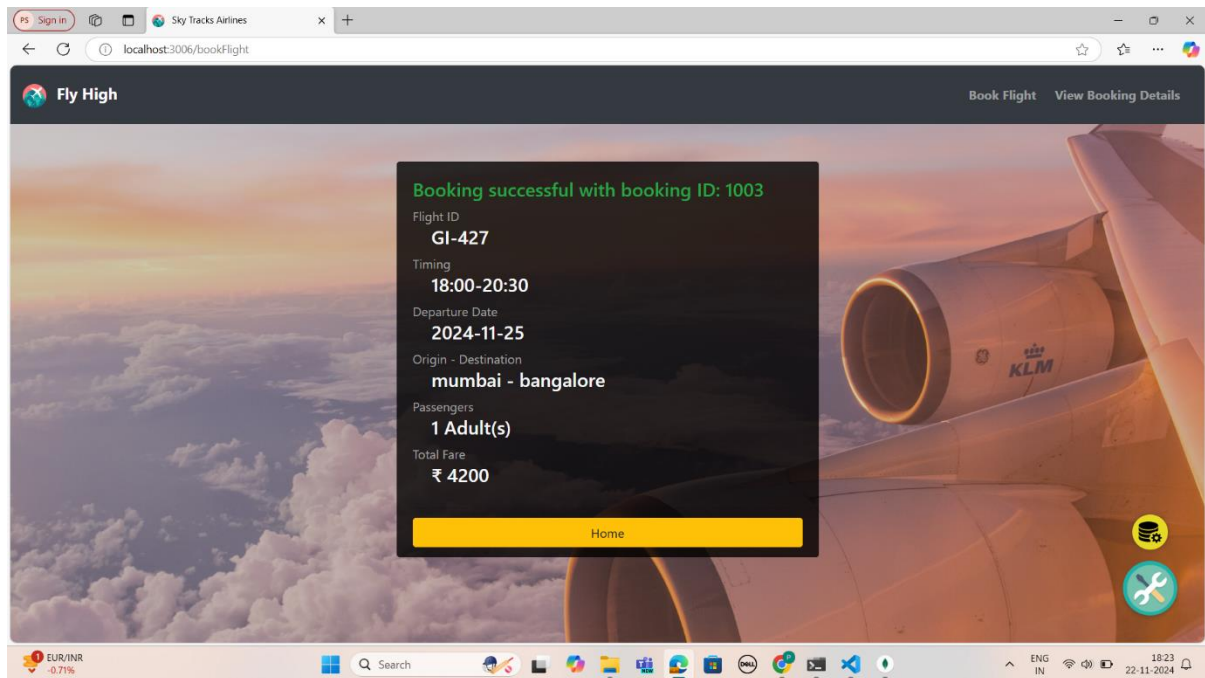
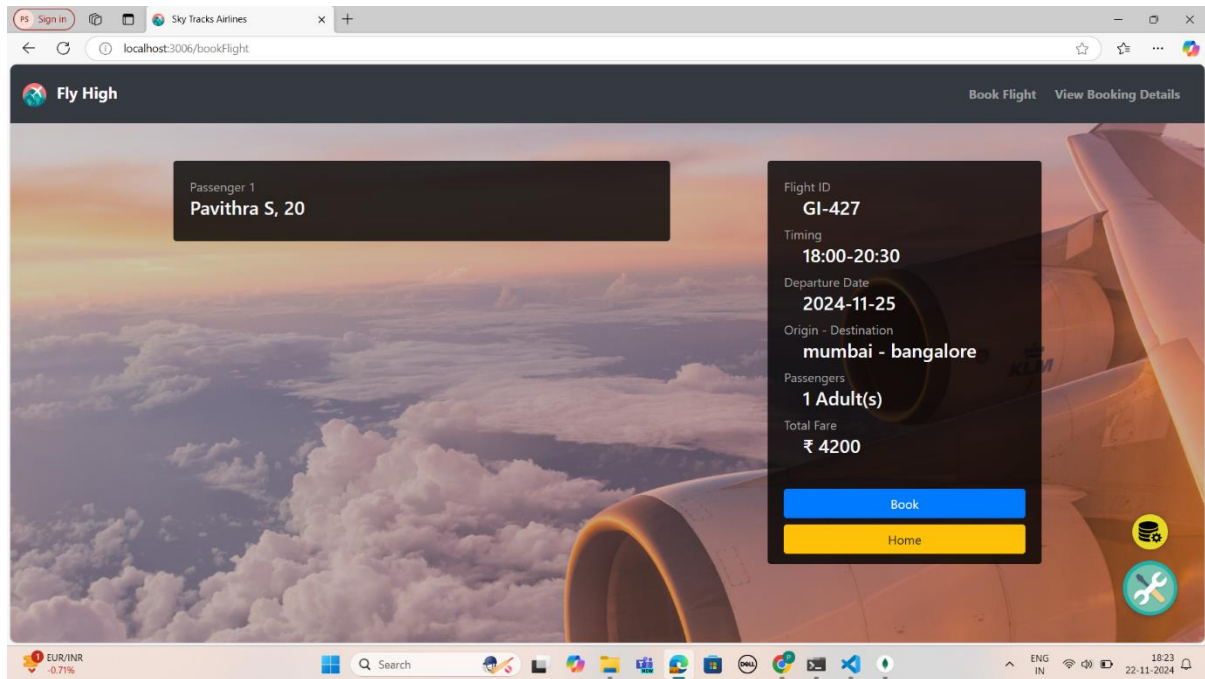
- Share the E-ticket via email or other digital means.
- Download the ticket as a PDF for offline access.

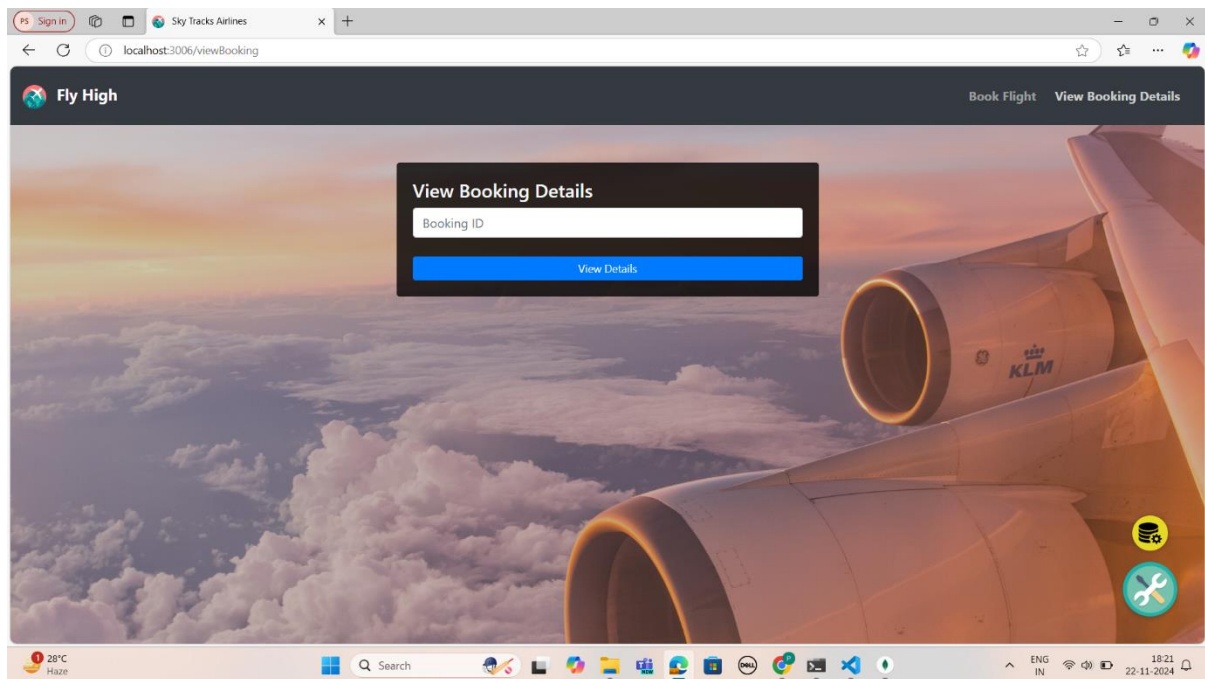
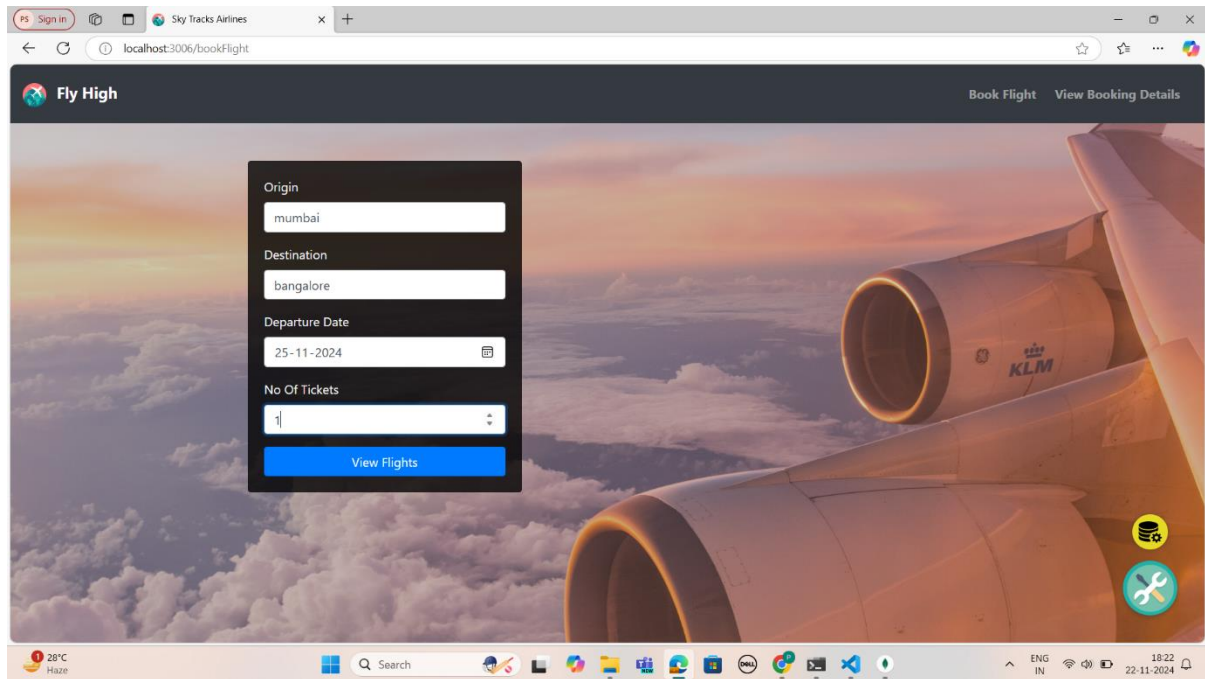
Implementation:

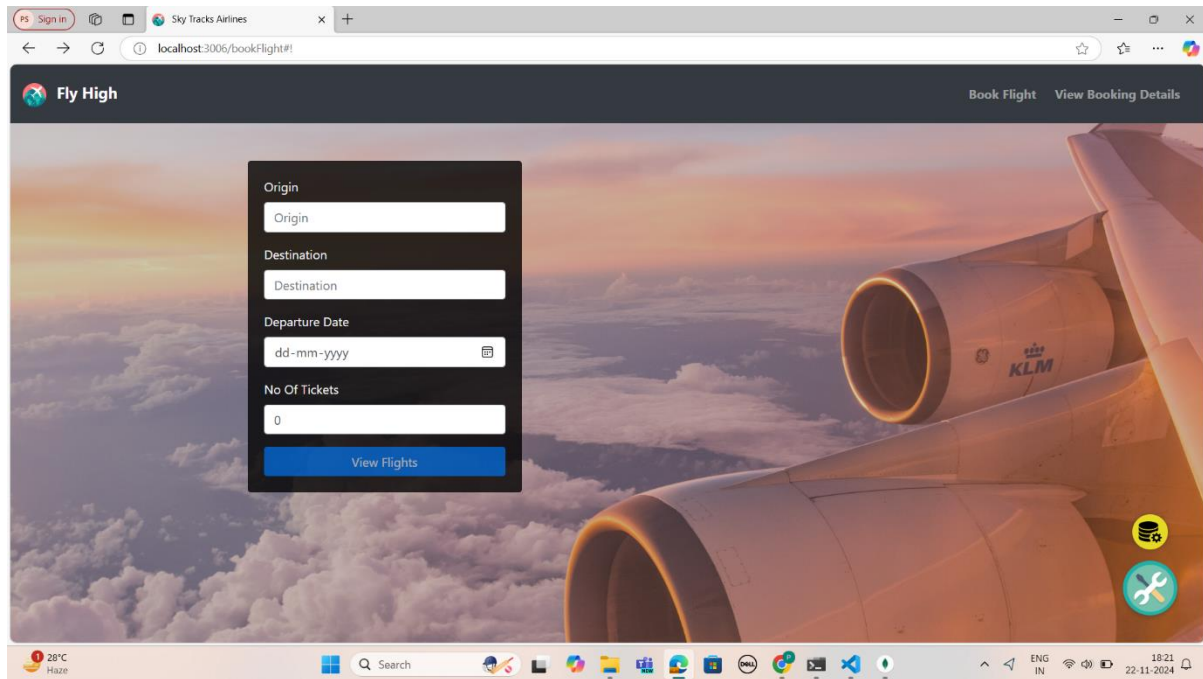












Conclusion:

The Flight Booking project successfully showcases the development of a comprehensive and user-centric web application utilizing modern web technologies. Leveraging a full-stack approach, the platform provides a seamless experience for users to search, book, and manage flight reservations efficiently. With features like responsive design, secure authentication, real-time data handling, and intuitive user interfaces, the project demonstrates a robust integration of front-end and back-end technologies. This project highlights the potential of scalable and feature-rich web applications to streamline complex processes, such as flight reservations, and lays the foundation for future enhancements, including real-time updates, personalized recommendations, and broader travel services integration.