



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

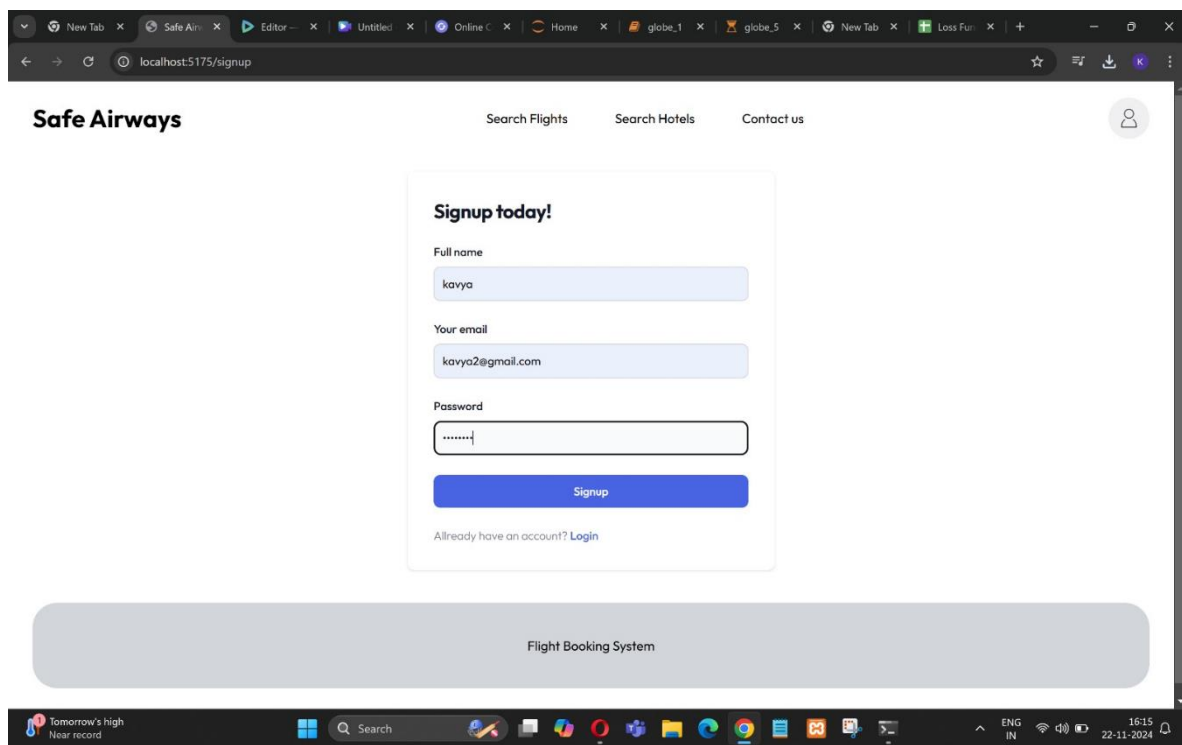
Users can view their electronic tickets (E-tickets) directly in their profiles.

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:

SIGNUP PAGE



The screenshot displays the 'Signup today!' form on the 'Safe Airways' website. The browser's address bar shows 'localhost:5175/signup'. The form includes input fields for 'Full name' (containing 'kavya'), 'Your email' (containing 'kavya2@gmail.com'), and 'Password' (masked with dots). A blue 'Signup' button is positioned below the password field. A link for 'Login' is provided for users who already have an account. The website's header features the 'Safe Airways' logo and navigation links for 'Search Flights', 'Search Hotels', and 'Contact us'. A footer bar at the bottom reads 'Flight Booking System'. The Windows taskbar at the very bottom shows the system date as 22-11-2024 and time as 16:15.

Safe Airways

Search Flights Search Hotels Contact us

Signup today!

Full name
kavya

Your email
kavya2@gmail.com

Password
.....

Signup

Already have an account? [Login](#)

Flight Booking System

LOGIN PAGE

Safe Airways Search Flights Search Hotels Contact us

Login to your account

Your email

Password

[Forgot password?](#)

[Login](#)

[Don't have an account yet? Sign up](#)

Flight Booking System

HOME PAGE

Safe Airways Search Flights Search Hotels Contact us User logged in successfully

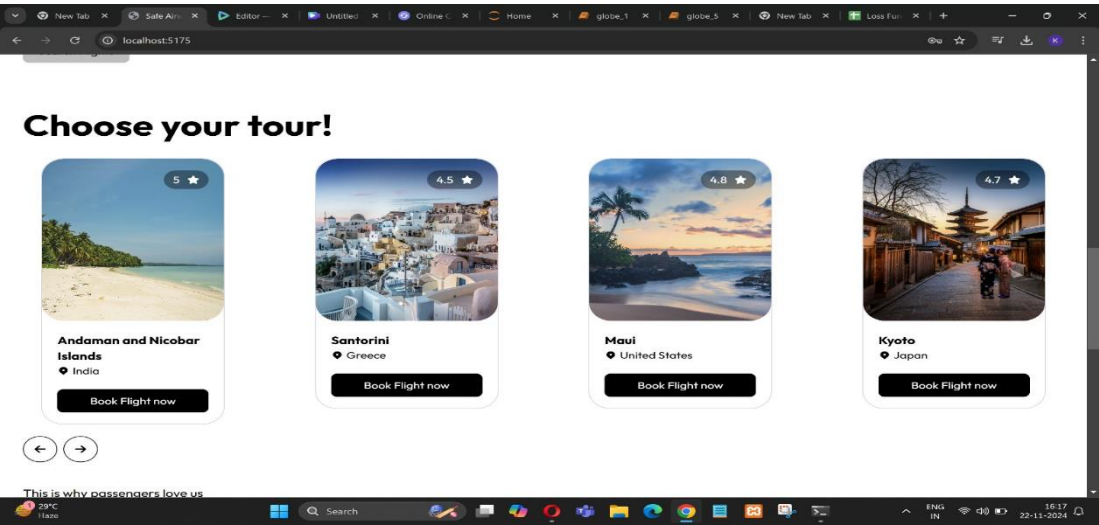
Explore the sights of the Andaman and Nicobar Islands

The place called heaven on earth

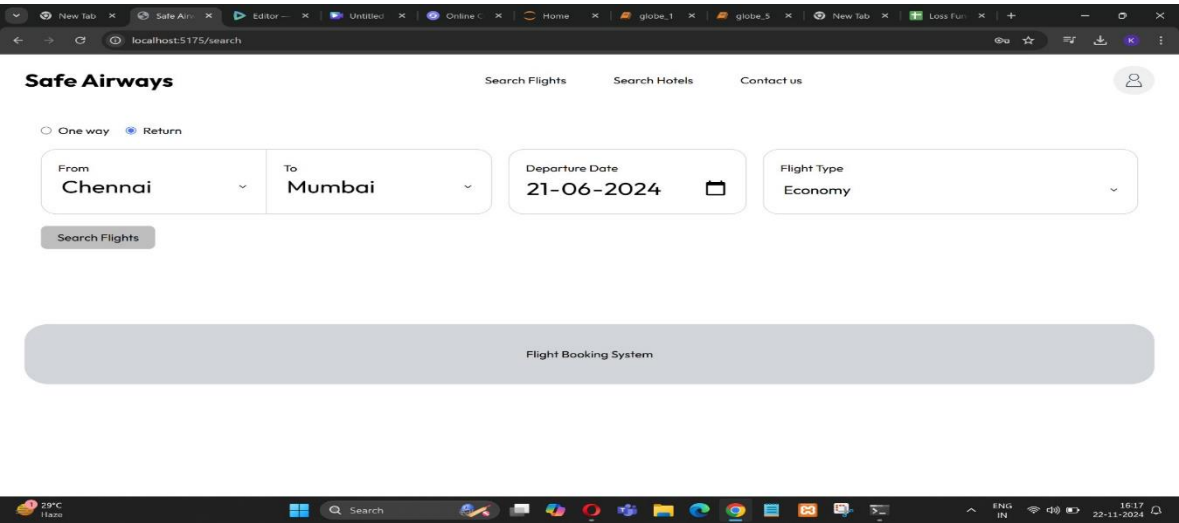
[Book now](#)

29°C Hazy

EXTENDED HOME PAGE



FLIGHT BOOKING



AVAILABLE FLIGHT SHOWN

The screenshot shows the 'Safe Airways' website interface. At the top, there are navigation links: 'Search Flights', 'Search Hotels', and 'Contact us'. Below these, there are radio buttons for 'One way' and 'Return' (selected). The search form includes fields for 'From' (Chennai), 'To' (Mumbai), 'Departure Date' (21-06-2024), and 'Flight Type' (Economy). A 'Search Flights' button is present. Below the search form, it states '1 flights found from Chennai to Mumbai'. The flight details are displayed in a card format: Air India logo, Depart 10:27 on 21 Jun 2024, a 5h 1m duration, Arrive 15:28 on 20 Jun 2024, and Price ₹ 6780. At the bottom, there is a 'Flight Booking System' button.

SEAT BOOKING PAGE

The screenshot shows the 'Air India Airlines' seat booking page. The top section displays the flight details: Air India Airlines, Economy class, Depart 10:27 on 21 Jun 2024, 5h 1m duration, and Arrive 15:28 on 20 Jun 2024. Below this, there are tabs for 'Seat Booking', 'Traveller Details', 'Review', and 'Payment'. The 'Seat Booking' tab is active, showing a seat selection grid. The grid is labeled '0 Passenger(s)' and shows a 4x8 grid of seats. The seats are labeled A8, A7, A6, A5, A4, A3, A2, A1 in the first row; B8, B7, B6, B5, B4, B3, B2, B1 in the second row; C8, C7, C6, C5, C4, C3, C2, C1 in the third row; and D8, D7, D6, D5, D4, D3, D2, D1 in the fourth row. The seat C6 is highlighted in blue, indicating it is selected. To the right of the seat grid, there is a 'Fare Summary' section with fields for 'Ticket Ox', 'Discount', and 'Total' (Rs. 0).

SEAT C6 BOOKED AND FARE DISPLAYED

The screenshot shows the 'Air India Airlines' seat booking page, similar to the previous one, but with the fare displayed. The flight details are the same: Air India Airlines, Economy class, Depart 10:27 on 21 Jun 2024, 5h 1m duration, and Arrive 15:28 on 20 Jun 2024. The 'Seat Booking' tab is active, showing the same seat selection grid. The seat C6 is highlighted in blue. To the right of the seat grid, the 'Fare Summary' section now shows 'Ticket Ox' as 0, 'Discount' as -, and 'Total' as Rs. 0.

PASSENGER DETAILS

Seat Booking > Traveller Details > Review > Payment

Total

Rs. 6780

Traveller Details - Passenger 1

First Name

kavya

Last Name

k s

Date of birth

12-03-2003

Passport Number

12389

Country

India

State

tamilnadu

Phone Number

1238906756

Email

kavya2@gmail.com

Passport Size Photo

Choose File

1photo.jpg

Previous

Next

REVIEW TICKET

Pick seat reservation

C6

☒ I agree with the terms and conditions.

☒ I assure you that all the information I have provided is accurate and current. Additionally, I am fully aware that any inaccuracies or falsifications in the data provided for airplane ticket bookings may result in legal consequences, including potential legal actions and possible incarceration.

Previous

Next

Flight Booking System

ALL TICKETS DISPLAYED IN PROFILE

Safe Airways

Search Flights

Search Hotels

Contact us

Profile

User Name: kavya

User Email: kavya2@gmail.com

Update Profile

Logout

Ticket ID

Vm85dXGEx8

ms1RiuUvmU

Tq7ZOwifG

Action

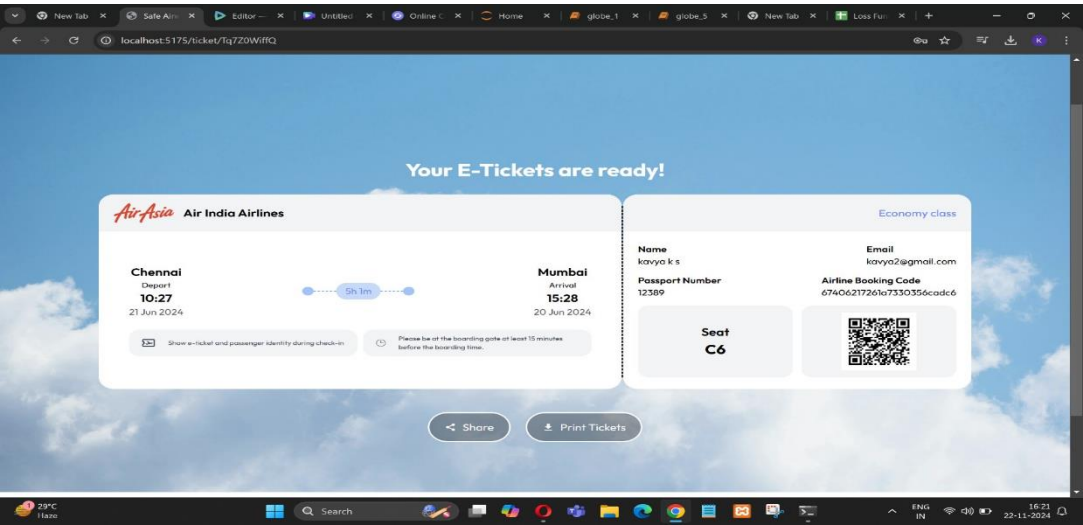
[Go to Ticket](#)

[Go to Ticket](#)

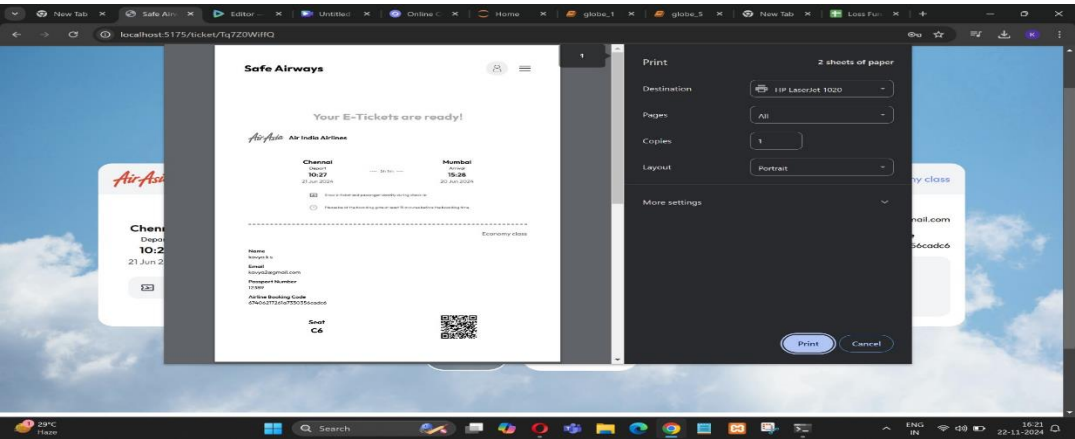
[Go to Ticket](#)

Flight Booking System

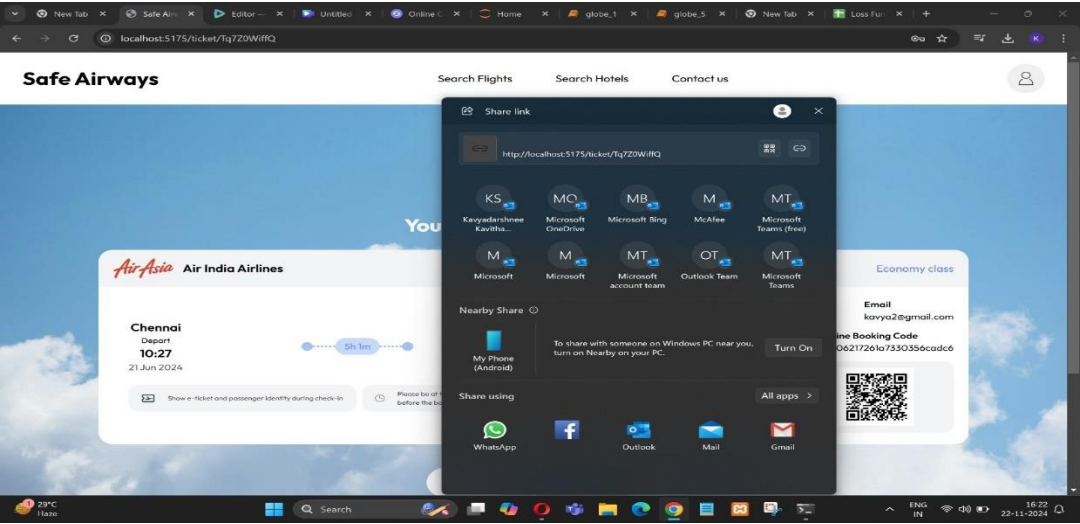
E-TICKET AVAILABLE



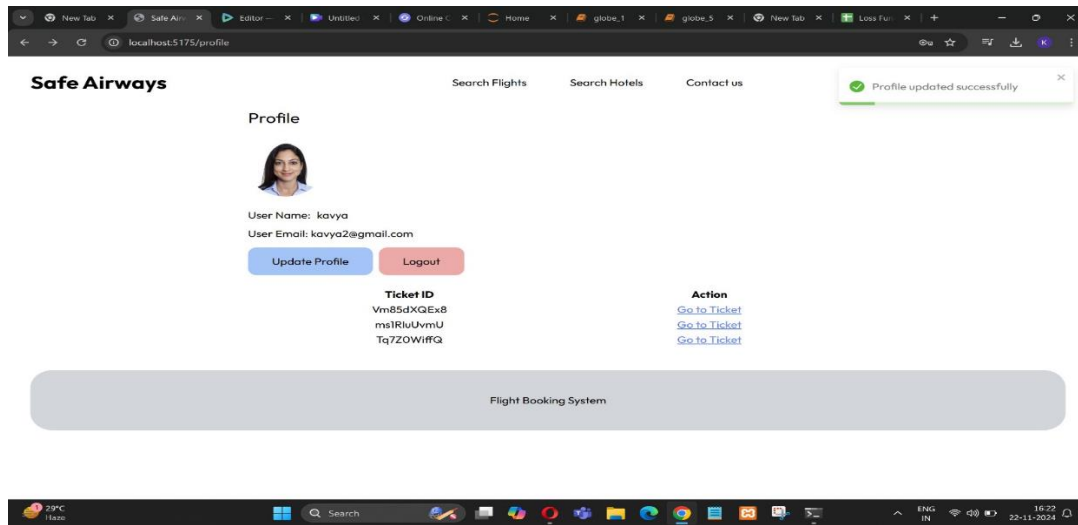
PRINTING TICKET



SHARING TICKET



PROFILE UPDATION



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.