

**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:

- 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.

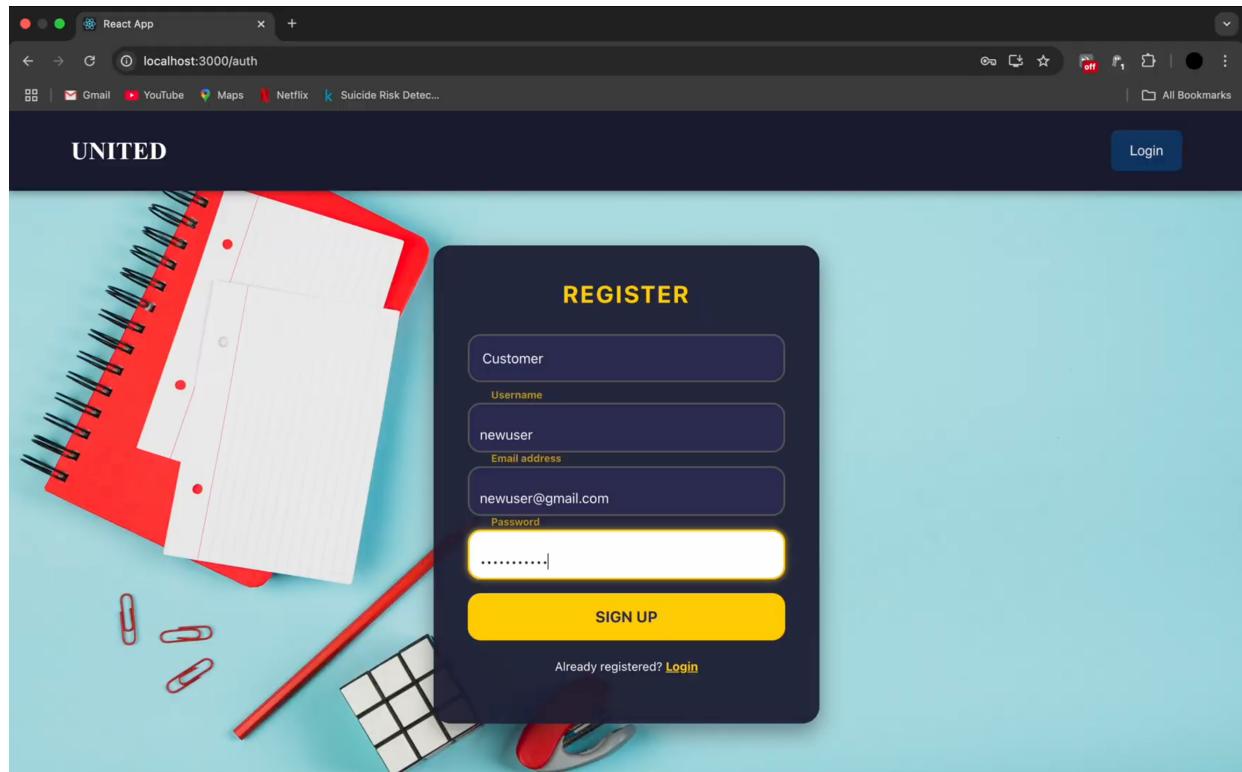
## Ticket Retrieval

After completing the booking process, users can:

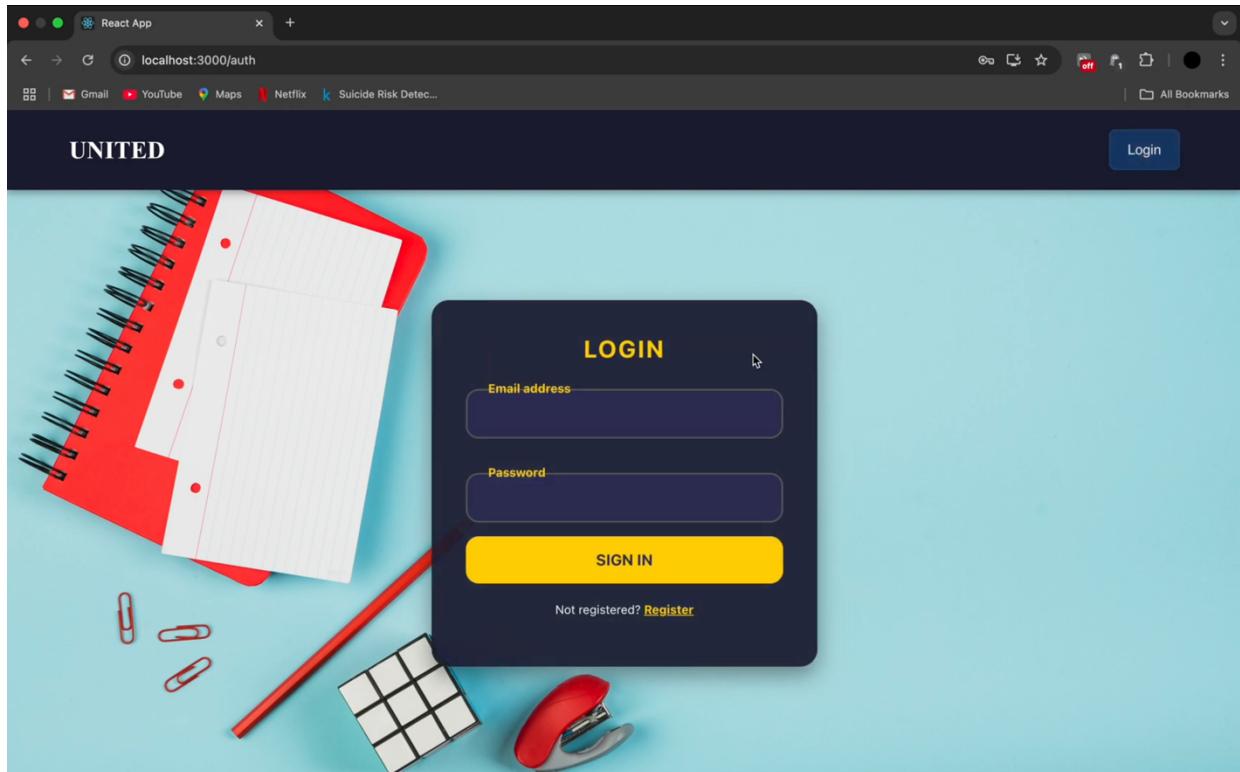
- Access their flight tickets in the Profile section.
- View booking confirmations, including seat number, flight details, and other relevant information.

## Implementation:

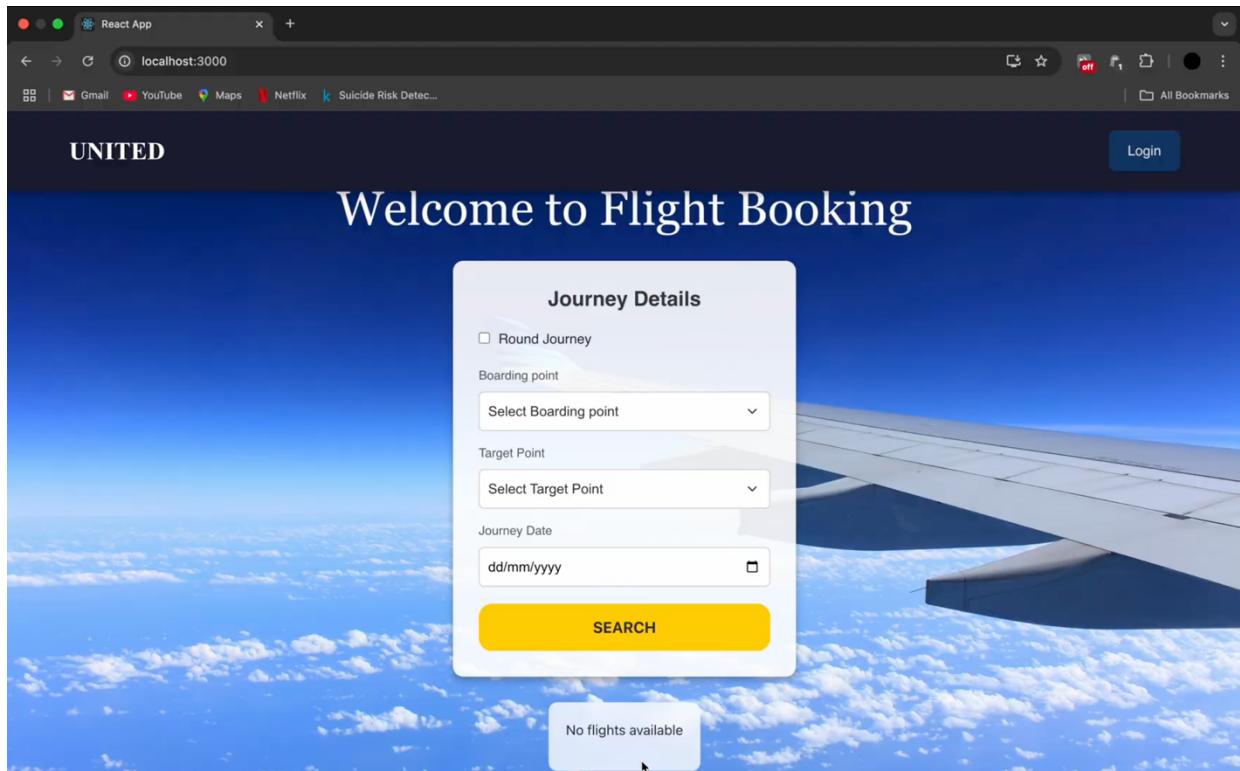
### SIGNUP PAGE



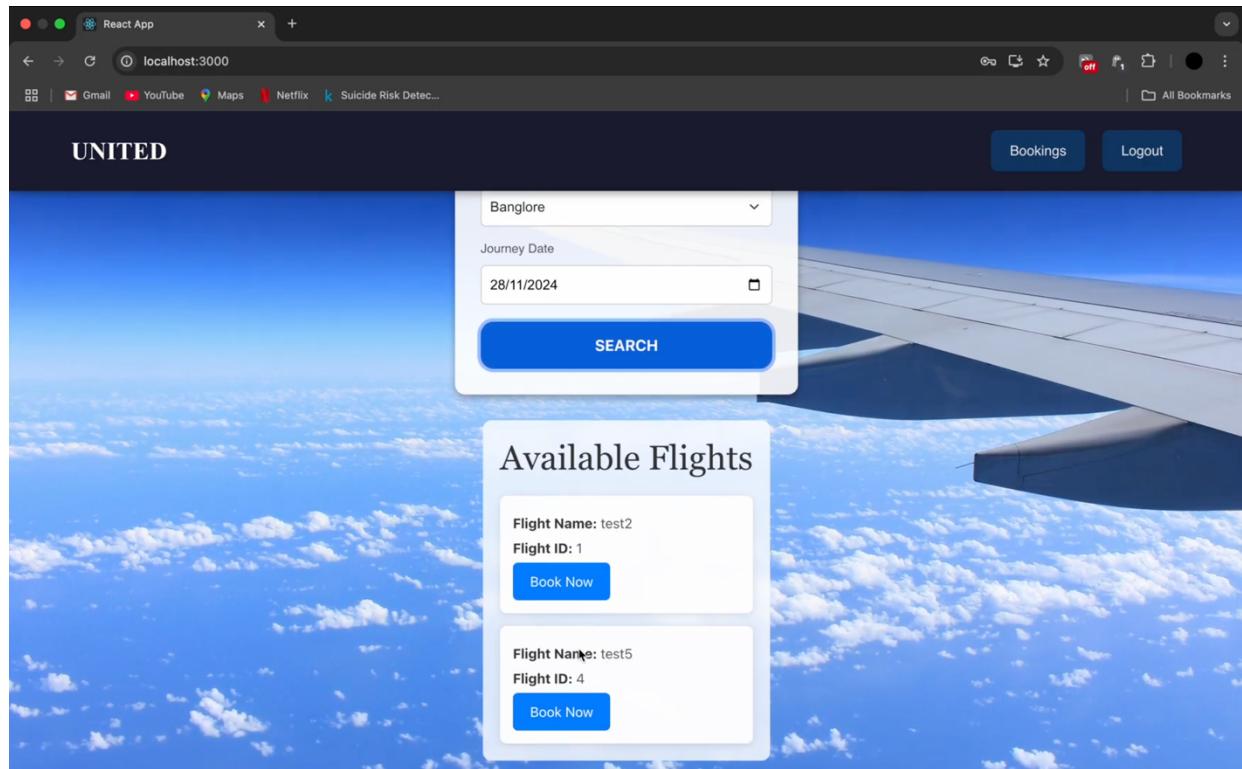
## LOGIN PAGE



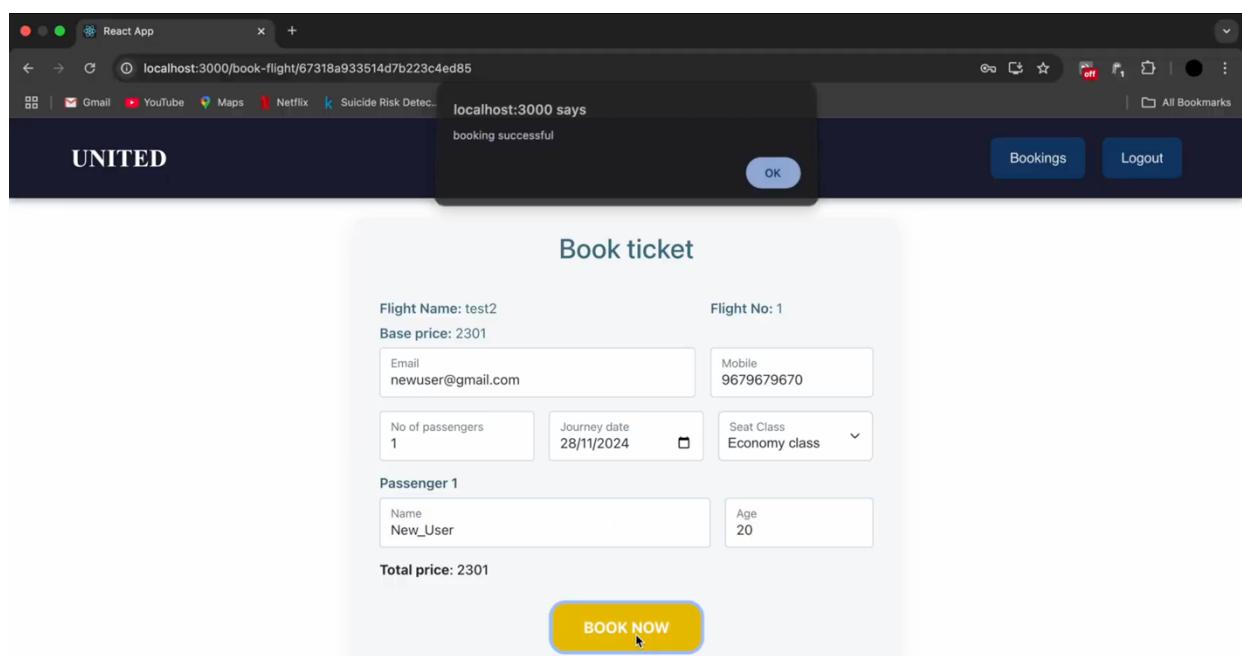
## HOME PAGE



## AVAILABLE FLIGHT SHOWN



## BOOKED AND FARE DISPLAYED



## PASSENGER DETAILS

**UNITED**

**Booking ID:** 6745ca7612c1f91a5399ac72

**Mobile:** 9679679670

**Email:** newuser@gmail.com

**Flight Id:** 1

**Flight name:** test2

**On-boarding:** Chennai

**Destination:** Bangalore

**Passengers:**

1. **Name:** New\_User, **Age:** 20

**Seats:** E-1

**Booking date:** 2024-11-26

**Journey date:** 2024-11-28

**Journey Time:** 13:10

**Total price:** 2301

**Booking status:** confirmed

**CANCEL TICKET**

**ALL TICKETS DISPLAYED IN PROFILE**

The screenshot shows a React application interface for managing bookings. At the top, there's a navigation bar with links to 'Dashboard', 'Users', 'Bookings', 'Flights', and 'Logout'. Below the navigation, a title 'UNITED (Admin)' is displayed, followed by a 'Bookings' section header.

Three flight booking cards are listed:

- Booking ID:** 6745ca7612c1f91a5399ac72  
**Mobile:** 9679679670  
**Email:** newuser@gmail.com  
**Flight Id:** 1  
**Flight name:** test2  
**On-boarding:** Chennai  
**Destination:** Bangalore  
**Passengers:**
  - 1. Name: New\_User, Age: 20**Booking date:** 2024-11-26  
**Journey date:** 2024-11-28  
**Journey Time:** 13:10  
**Total price:** 2301  
**Booking status:** cancelled
- Booking ID:** 6743083b12c1f91a5399ac04  
**Mobile:** 9898989898  
**Email:** cust@gmail.com  
**Flight Id:** 1  
**Flight name:** test2  
**On-boarding:** Chennai  
**Destination:** Bangalore  
**Passengers:**
  - 1. Name: CUST 2, Age: 20**Booking date:** 2024-11-24  
**Journey date:** 2024-11-26  
**Journey Time:** 13:10  
**Total price:** 4602  
**Booking status:** confirmed
- Booking ID:** 6743071612c1f91a5399abf5  
**Mobile:** 9898989898  
**Email:** cust@gmail.com  
**Flight Id:** 1  
**Flight name:** test2  
**On-boarding:** Chennai  
**Destination:** Bangalore  
**Passengers:**
  - 1. Name: CUST, Age: 20**Booking date:** 2024-11-24  
**Journey date:** 2024-11-26  
**Journey Time:** 13:10  
**Total price:** 2301  
**Booking status:** cancelled

## **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.