Hands on 12

Solution:

1. Create a new react app as: npx create-react-app ticketbookingapp

Cd ticketbookingapp

**App.js – Main Logic**

**Purpose:**Handles login state and renders either the guest or user view.

import React, { useState } from 'react';

import './App.css';

import GuestView from './components/GuestView';

import UserView from './components/UserView';

import LoginButton from './components/LoginButton';

import LogoutButton from './components/LogoutButton';

function App() {

  const [isLoggedIn, setIsLoggedIn] = useState(false);

  const handleLogin = () => setIsLoggedIn(true);

  const handleLogout = () => setIsLoggedIn(false);

  return (

    <div className="App">

      <header className="App-header">

        <h1>Flight Ticket Booking App</h1>

        <div className="auth-buttons">

          {!isLoggedIn ? (

            <LoginButton onClick={handleLogin} />

          ) : (

            <LogoutButton onClick={handleLogout} />

          )}

        </div>

      </header>

      <main className="App-main">

        {!isLoggedIn ? <GuestView /> : <UserView />}

      </main>

    </div>

  );

}

export default App;

**LoginButton.js**

import React from 'react';

function LoginButton(props) {

  return (

    <button onClick={props.onClick} className="auth-button login-button">

      Login

    </button>

  );

}

export default LoginButton;

**LogoutButton.js**

import React from 'react';

function LogoutButton(props) {

  return (

    <button onClick={props.onClick} className="auth-button logout-button">

      Logout

    </button>

  );

}

export default LogoutButton;

**GuestView.js**

import React from 'react';

function GuestView() {

  const flights = [

    { id: 1, flightNumber: 'AI101', from: 'Mumbai', to: 'Delhi', departure: '10:00 AM', arrival: '12:00 PM', price: '₹5,000', airline: 'Air India' },

    { id: 2, flightNumber: 'SG202', from: 'Delhi', to: 'Bangalore', departure: '02:30 PM', arrival: '05:00 PM', price: '₹6,500', airline: 'SpiceJet' },

    { id: 3, flightNumber: 'IN303', from: 'Bangalore', to: 'Mumbai', departure: '08:00 AM', arrival: '09:30 AM', price: '₹4,200', airline: 'IndiGo' },

    { id: 4, flightNumber: 'VJ404', from: 'Chennai', to: 'Kolkata', departure: '11:15 AM', arrival: '01:45 PM', price: '₹5,800', airline: 'Vistara' }

  ];

  return (

    <div className="guest-view">

      <div className="guest-message">

        <h2>Please sign up.</h2>

        <p>Browse available flights below. Login to book tickets.</p>

      </div>

      <div className="flights-container">

        <h3>Available Flights</h3>

        <div className="flights-grid">

          {flights.map(flight => (

            <div key={flight.id} className="flight-card">

              <div className="flight-header">

                <h4>{flight.airline}</h4>

                <span className="flight-number">{flight.flightNumber}</span>

              </div>

              <div className="flight-route">

                <div className="route-info">

                  <span className="time">{flight.departure}</span>

                  <span className="city">{flight.from}</span>

                </div>

                <div className="route-arrow">→</div>

                <div className="route-info">

                  <span className="time">{flight.arrival}</span>

                  <span className="city">{flight.to}</span>

                </div>

              </div>

              <div className="flight-price">

                <span className="price">{flight.price}</span>

              </div>

              <div className="booking-notice">

                <p>Login to book this flight</p>

              </div>

            </div>

          ))}

        </div>

      </div>

    </div>

  );

}

export default GuestView;

**UserView.js**

import React, { useState } from 'react';

function UserView() {

  const [selectedFlight, setSelectedFlight] = useState(null);

  const [bookingForm, setBookingForm] = useState({

    passengerName: '',

    email: '',

    phone: '',

    seats: 1

  });

  const flights = [

    { id: 1, flightNumber: 'AI101', from: 'Mumbai', to: 'Delhi', departure: '10:00 AM', arrival: '12:00 PM', price: '₹5,000', airline: 'Air India' },

    { id: 2, flightNumber: 'SG202', from: 'Delhi', to: 'Bangalore', departure: '02:30 PM', arrival: '05:00 PM', price: '₹6,500', airline: 'SpiceJet' },

    { id: 3, flightNumber: 'IN303', from: 'Bangalore', to: 'Mumbai', departure: '08:00 AM', arrival: '09:30 AM', price: '₹4,200', airline: 'IndiGo' },

    { id: 4, flightNumber: 'VJ404', from: 'Chennai', to: 'Kolkata', departure: '11:15 AM', arrival: '01:45 PM', price: '₹5,800', airline: 'Vistara' }

  ];

  const handleFlightSelect = (flight) => setSelectedFlight(flight);

  const handleInputChange = (e) => {

    const { name, value } = e.target;

    setBookingForm(prev => ({

      ...prev,

      [name]: value

    }));

  };

  const handleBooking = (e) => {

    e.preventDefault();

    if (selectedFlight && bookingForm.passengerName && bookingForm.email) {

      alert(`Booking confirmed for ${bookingForm.passengerName} on flight ${selectedFlight.flightNumber}!`);

      setSelectedFlight(null);

      setBookingForm({ passengerName: '', email: '', phone: '', seats: 1 });

    } else {

      alert('Please fill in all required fields and select a flight.');

    }

  };

  return (

    <div className="user-view">

      <div className="welcome-section">

        <h2>Welcome back</h2>

        <p>You can now book tickets for available flights.</p>

      </div>

      <div className="booking-container">

        <div className="flights-section">

          <h3>Select a Flight</h3>

          <div className="flights-grid">

            {flights.map(flight => (

              <div

                key={flight.id}

                className={`flight-card ${selectedFlight?.id === flight.id ? 'selected' : ''}`}

                onClick={() => handleFlightSelect(flight)}

              >

                <div className="flight-header">

                  <h4>{flight.airline}</h4>

                  <span className="flight-number">{flight.flightNumber}</span>

                </div>

                <div className="flight-route">

                  <div className="route-info">

                    <span className="time">{flight.departure}</span>

                    <span className="city">{flight.from}</span>

                  </div>

                  <div className="route-arrow">→</div>

                  <div className="route-info">

                    <span className="time">{flight.arrival}</span>

                    <span className="city">{flight.to}</span>

                  </div>

                </div>

                <div className="flight-price">

                  <span className="price">{flight.price}</span>

                </div>

                <button className="select-flight-btn">

                  {selectedFlight?.id === flight.id ? 'Selected' : 'Select Flight'}

                </button>

              </div>

            ))}

          </div>

        </div>

        {selectedFlight && (

          <div className="booking-form-section">

            <h3>Book Ticket for {selectedFlight.airline} - {selectedFlight.flightNumber}</h3>

            <form onSubmit={handleBooking} className="booking-form">

              <div className="form-group">

                <label htmlFor="passengerName">Passenger Name \*</label>

                <input

                  type="text"

                  id="passengerName"

                  name="passengerName"

                  value={bookingForm.passengerName}

                  onChange={handleInputChange}

                  required

                />

              </div>

              <div className="form-group">

                <label htmlFor="email">Email \*</label>

                <input

                  type="email"

                  id="email"

                  name="email"

                  value={bookingForm.email}

                  onChange={handleInputChange}

                  required

                />

              </div>

              <div className="form-group">

                <label htmlFor="phone">Phone Number</label>

                <input

                  type="tel"

                  id="phone"

                  name="phone"

                  value={bookingForm.phone}

                  onChange={handleInputChange}

                />

              </div>

              <div className="form-group">

                <label htmlFor="seats">Number of Seats</label>

                <input

                  type="number"

                  id="seats"

                  name="seats"

                  min="1"

                  max="5"

                  value={bookingForm.seats}

                  onChange={handleInputChange}

                />

              </div>

              <div className="booking-summary">

                <h4>Booking Summary</h4>

                <p>Flight: {selectedFlight.airline} {selectedFlight.flightNumber}</p>

                <p>Route: {selectedFlight.from} → {selectedFlight.to}</p>

                <p>Price per seat: {selectedFlight.price}</p>

                <p>

                  Total: ₹

                  {parseInt(selectedFlight.price.replace('₹', '').replace(',', '')) \* bookingForm.seats}

                </p>

              </div>

              <button type="submit" className="book-ticket-btn">

                Book Ticket

              </button>

            </form>

          </div>

        )}

      </div>

    </div>

  );

}

export default UserView;

Output:

A screenshot of a computer

AI-generated content may be incorrect.

After login

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.