WEEK:7

* Explain about conditional rendering in React

**Conditional rendering** means displaying content in the UI **based on conditions** like state or props.React uses **JavaScript logic** (e.g., if, ternary ? :, &&) to determine what to render.

* Define element variables

let message;

if (isLoggedIn) {

message = <h1>Hello, User!</h1>;

} else {

message = <h1>Please sign in</h1>;

}

return <div>{message}</div>;

* Explain how to prevent components from rendering

function WarningBanner({ show }) {

if (!show) return null;

return <div className="warning">Warning!</div>;

}

Guest.js:

// src/components/GuestPage.js

import React from 'react';

const GuestPage = () => {

  return (

    <div>

      <h2>Welcome, Guest!</h2>

      <p>Please log in to book your tickets.</p>

      <h3>Flight Listings:</h3>

      <ul>

        <li>Flight A - Hyderabad to Delhi - ₹5000</li>

        <li>Flight B - Mumbai to Bangalore - ₹4000</li>

        <li>Flight C - Chennai to Kolkata - ₹4500</li>

      </ul>

    </div>

  );

};

export default GuestPage;

Userpage.js:

// src/components/UserPage.js

import React from 'react';

const UserPage = () => {

  return (

    <div>

      <h2>Welcome, User!</h2>

      <p>You can now book your flight tickets.</p>

      <h3>Available Flights:</h3>

      <ul>

        <li>Flight A - <button>Book Now</button></li>

        <li>Flight B - <button>Book Now</button></li>

        <li>Flight C - <button>Book Now</button></li>

      </ul>

    </div>

  );

};

export default UserPage;

App.js:

// src/App.js

import React, { useState } from 'react';

import GuestPage from './components/GuestPage';

import UserPage from './components/UserPage';

function App() {

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

  const handleLogin = () => {

    setIsLoggedIn(true);

  }

  const handleLogout = () => {

    setIsLoggedIn(false);

  }

  return (

    <div className="App" style={{ textAlign: 'center', marginTop: '40px' }}>

      <h1>✈️ Ticket Booking App</h1>

      {isLoggedIn ? (

        <>

          <UserPage />

          <button onClick={handleLogout} style={{ marginTop: '20px' }}>Logout</button>

        </>

      ) : (

        <>

          <GuestPage />

          <button onClick={handleLogin} style={{ marginTop: '20px' }}>Login</button>

        </>

      )}

    </div>

  );

}

export default App;

Output:



