**12. ReactJS – HOL**

**1. Explain conditional rendering**

* Showing components or content based on a condition

{isLoggedIn ? <UserPage /> : <GuestPage />}

**2. Define element variables**

let message;

if (loggedIn) {

message = <Welcome />;

} else {

message = <LoginPrompt />;

}

**3. Prevent components from rendering**

* Return null from a component to prevent rendering

if (!shouldRender) return null;

**12 . Create a React Application named “ticketbookingapp” where the guest user can browse the page where the flight details are displayed whereas the logged in user only can book tickets.**

**The Login and Logout buttons should accordingly display different pages. Once the user is logged in the User page should be displayed. When the user clicks on Logout, the Guest page should be displayed.**

**Step 1:** Open Terminal and create a new react project

***npx create-react-app ticketbookingapp***

***cd ticketbookingapp***

**Step 2:** Create Components GuestPage.js and UserPage.js

**GuestPage.js**

import React from 'react';

const GuestPage = () => {

  return (

    <div>

      <h2>Welcome Guest</h2>

      <p>You can browse flights but need to log in to book tickets.</p>

      <ul>

        <li>Flight A: Chennai ➡️ Mumbai</li>

        <li>Flight B: Delhi ➡️ Bengaluru</li>

        <li>Flight C: Kolkata ➡️ Hyderabad</li>

      </ul>

    </div>

  ); };

export default GuestPage;

**UserPage.js**

import React from 'react';

const UserPage = () => {

  return (

    <div>

      <h2>Welcome Back, User!</h2>

      <p>You are logged in. Book your flights below:</p>

      <button>Book Flight A</button>

      <button>Book Flight B</button>

      <button>Book Flight C</button>

    </div>

  ); };

export default UserPage;

**App.js**

import React, { useState } from 'react';

import GuestPage from './GuestPage';

import UserPage from './UserPage';

function App() {

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

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

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

  let page;

  if (isLoggedIn) {

    page = <UserPage />;

  } else {

    page = <GuestPage />;

  }

  return (

    <div style={{ padding: "20px" }}>

      <h1>Ticket Booking App</h1>

      {isLoggedIn ? (

        <button onClick={handleLogout}>Logout</button>

      ) : (

        <button onClick={handleLogin}>Login</button>

      )}

      <hr />

      {page}

    </div>

  );

}

export default App;

**Step 3:** In terminal, type ***npm start*** and this will run your code.

**OUTPUT:**



