**12. ReactJS-HOL**

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.

# Project Structure

ticketbookingapp/  
├── public/  
│ └── index.html  
├── src/  
│ ├── App.js  
│ ├── GuestPage.js  
│ ├── UserPage.js  
│ └── index.js  
├── package.json

# src/index.js

import React from 'react';  
import ReactDOM from 'react-dom/client';  
import App from './App';  
  
const root = ReactDOM.createRoot(document.getElementById('root'));  
root.render(<App />);

# src/GuestPage.js

import React from 'react';  
  
const GuestPage = () => {  
 return (  
 <div>  
 <h2> Guest View</h2>  
 <p>You are currently browsing as a guest. Please login to book your ticket.</p>  
 <ul>  
 <li>Flight: Kolkata to Delhi - ₹5000</li>  
 <li>Flight: Bangalore to Mumbai - ₹4500</li>  
 <li>Flight: Chennai to Hyderabad - ₹3000</li>  
 </ul>  
 </div>  
 );  
};  
  
export default GuestPage;

# src/UserPage.js

import React from 'react';  
  
const UserPage = () => {  
 return (  
 <div>  
 <h2> User View</h2>  
 <p>Welcome! You are now logged in and can book your tickets.</p>  
 <button>Book Kolkata to Delhi - ₹5000</button><br />  
 <button>Book Bangalore to Mumbai - ₹4500</button><br />  
 <button>Book Chennai to Hyderabad - ₹3000</button>  
 </div>  
 );  
};  
  
export default UserPage;

# src/App.js

import React, { Component } from 'react';  
import GuestPage from './GuestPage';  
import UserPage from './UserPage';  
  
class App extends Component {  
 constructor(props) {  
 super(props);  
 this.state = {  
 isLoggedIn: false  
 };  
 }  
  
 handleLogin = () => {  
 this.setState({ isLoggedIn: true });  
 };  
  
 handleLogout = () => {  
 this.setState({ isLoggedIn: false });  
 };  
  
 render() {  
 const { isLoggedIn } = this.state;  
  
 let page;  
 if (isLoggedIn) {  
 page = <UserPage />;  
 } else {  
 page = <GuestPage />;  
 }  
  
 return (  
 <div style={{ margin: '20px', fontFamily: 'Arial' }}>  
 <h1> Flight Ticket Booking App</h1>  
 {isLoggedIn ? (  
 <button onClick={this.handleLogout}>Logout</button>  
 ) : (  
 <button onClick={this.handleLogin}>Login</button>  
 )}  
 <hr />  
 {page}  
 </div>  
 );  
 }  
}  
  
export default App;

# public/index.html

<!DOCTYPE html>  
<html lang="en">  
 <head>  
 <meta charset="UTF-8" />  
 <link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Ticket Booking App</title>  
 </head>  
 <body>  
 <div id="root"></div>  
 </body>  
</html>

# Output Screenshot

npx create-react-app ticketbookingapp  
cd ticketbookingapp  
# Replace the src and public files with the above code  
npm start