Aman Raj

Superset ID: 6358186

1. **ReactJS**

**Conditional Rendering in React**

Conditional rendering means rendering components or elements only if a certain condition is met, just like if statements in JavaScript.

**Element Variables**

Element variables are used to store JSX elements. You can assign JSX to a variable and render it later based on some condition.

**Preventing Components from Rendering**

You can stop a component from rendering by:

* Returning null from the component
* Using conditional rendering to skip rendering

**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.**

**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);

return (

<div style={{ textAlign: "center", padding: "20px" }}>

<h1>✈️ Ticket Booking App</h1>

{isLoggedIn ? (

<>

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

<UserPage />

</>

) : (

<>

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

<GuestPage />

</>

)}

</div>

);

}

export default App;

**GuestPage.js**

import React from "react";

import FlightList from "./FlightList";

function GuestPage() {

return (

<div>

<h2>Welcome Guest! You can only view flights.</h2>

<FlightList />

</div>

);

}

export default GuestPage;

**UserPage.js**

import React from "react";

import FlightList from "./FlightList";

function UserPage() {

return (

<div>

<h2>Welcome User! You can book your tickets.</h2>

<FlightList canBook={true} />

</div>

);

}

export default UserPage;

**FlightList.js**

import React from "react";

const flights = [

{ id: 1, destination: "Delhi", time: "10:30 AM", price: 4500 },

{ id: 2, destination: "Mumbai", time: "2:00 PM", price: 5000 },

{ id: 3, destination: "Bangalore", time: "6:45 PM", price: 6000 },

];

function FlightList({ canBook = false }) {

return (

<div>

<h3>Available Flights</h3>

<ul style={{ listStyleType: "none" }}>

{flights.map((flight) => (

<li key={flight.id} style={{ marginBottom: "10px" }}>

✈️ {flight.destination} — {flight.time} — ₹{flight.price}

{canBook && <button style={{ marginLeft: "10px" }}>Book Now</button>}

</li>

))}

</ul>

</div>

);

}

export default FlightList;

**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 />);

**Outputs:-**



