**WEEK 7 : REACT Hands On 12**

**Creating a Ticket Booking Application**

**Code :**

**App.css**

.App {

max-width: 1000px;

margin: 0 auto;

padding: 20px;

font-family: Arial, sans-serif;

}

header {

display: flex;

justify-content: space-between;

align-items: center;

margin-bottom: 30px;

padding-bottom: 20px;

border-bottom: 1px solid #ddd;

}

h1 {

color: #2c3e50;

margin: 0;

}

.login-form {

display: flex;

gap: 10px;

}

.auth-button {

background-color: #3498db;

color: white;

border: none;

padding: 8px 15px;

border-radius: 4px;

cursor: pointer;

}

.auth-button:hover {

background-color: #2980b9;

}

input {

padding: 8px;

border: 1px solid #ddd;

border-radius: 4px;

}

.flight-list {

display: grid;

grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));

gap: 20px;

margin-top: 20px;

}

.flight-card {

border: 1px solid #ddd;

border-radius: 8px;

padding: 15px;

background-color: #f9f9f9;

}

.flight-card h3 {

margin-top: 0;

color: #2c3e50;

}

.flight-card button {

background-color: #27ae60;

color: white;

border: none;

padding: 8px 15px;

border-radius: 4px;

cursor: pointer;

margin-top: 10px;

}

.flight-card button:hover {

background-color: #219653;

}

.booking-message {

margin-top: 20px;

padding: 15px;

background-color: #d4edda;

color: #155724;

border-radius: 4px;

}

.guest-view p {

color: #7f8c8d;

font-style: italic;

}

**App.js**

import React, { useState } from 'react';

import './App.css';

function App() {

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

const [username, setUsername] = useState('');

const [password, setPassword] = useState('');

const [bookingMessage, setBookingMessage] = useState('');

// Sample flight data

const flights = [

{ id: 1, airline: 'Air India', departure: '09:00 AM', arrival: '11:30 AM', price: 4500 },

{ id: 2, airline: 'IndiGo', departure: '01:15 PM', arrival: '03:45 PM', price: 3800 },

{ id: 3, airline: 'SpiceJet', departure: '05:30 PM', arrival: '08:00 PM', price: 4200 },

];

const handleLogin = (e) => {

e.preventDefault();

// Simple validation - in real app, you'd have proper authentication

if (username && password) {

setIsLoggedIn(true);

setUsername(''); // Clear form

setPassword('');

}

};

const handleLogout = () => {

setIsLoggedIn(false);

setBookingMessage('');

};

const handleBookFlight = (flightId) => {

const flight = flights.find(f => f.id === flightId);

setBookingMessage(`Successfully booked ${flight.airline} flight at ${flight.departure}!`);

};

// Guest component - shows flight details

const GuestView = () => (

<div className="guest-view">

<h2>Available Flights</h2>

<p>Please login to book tickets</p>

<div className="flight-list">

{flights.map(flight => (

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

<h3>{flight.airline}</h3>

<p>Departure: {flight.departure}</p>

<p>Arrival: {flight.arrival}</p>

<p>Price: ₹{flight.price}</p>

</div>

))}

</div>

</div>

);

// User component - allows booking

const UserView = () => (

<div className="user-view">

<h2>Welcome! Book your flight</h2>

<div className="flight-list">

{flights.map(flight => (

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

<h3>{flight.airline}</h3>

<p>Departure: {flight.departure}</p>

<p>Arrival: {flight.arrival}</p>

<p>Price: ₹{flight.price}</p>

<button onClick={() => handleBookFlight(flight.id)}>Book Now</button>

</div>

))}

</div>

{bookingMessage && <div className="booking-message">{bookingMessage}</div>}

</div>

);

return (

<div className="App">

<header>

<h1>Flight Ticket Booking</h1>

{isLoggedIn ? (

<button onClick={handleLogout} className="auth-button">Logout</button>

) : (

<form onSubmit={handleLogin} className="login-form">

<input

type="text"

placeholder="Username"

value={username}

onChange={(e) => setUsername(e.target.value)}

required

/>

<input

type="password"

placeholder="Password"

value={password}

onChange={(e) => setPassword(e.target.value)}

required

/>

<button type="submit" className="auth-button">Login</button>

</form>

)}

</header>

<main>

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

</main>

</div>

);

}

export default App;

**Output :**



