**Exercise 12: Create a React Application named “ticketbookingapp”**

**Lab Objectives Covered**

| **Concept** | **Example in Lab** |
| --- | --- |
| **Conditional Rendering** | Show user or guest view based on login state |
| **Element Variables** | Use variables to store JSX elements for rendering |
| **Prevent Rendering** | Return null from a component to avoid rendering |

**Prerequisites**

Ensure installed:

* Node.js
* npm
* Visual Studio Code

**1. Set Up React App**

npx create-react-app ticketbookingapp

cd ticketbookingapp

npm start

**2. Create Components**

**LoginButton.js**

import React from 'react';

function LoginButton(props) {

return (

<button onClick={props.onClick}>

Login

</button>

);

}

export default LoginButton;

**LogoutButton.js**

import React from 'react';

function LogoutButton(props) {

return (

<button onClick={props.onClick}>

Logout

</button>

);

}

export default LogoutButton;

**UserGreeting.js**

import React from 'react';

function UserGreeting() {

return (

<div>

<h2>Welcome, User!</h2>

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

<button>Book Now</button>

</div>

);

}

export default UserGreeting;

**GuestGreeting.js**

import React from 'react';

function GuestGreeting() {

return (

<div>

<h2>Welcome, Guest!</h2>

<p>Browse available flight routes and schedules. Login to book tickets.</p>

</div>

);

}

export default GuestGreeting;

**Greeting.js**

import React from 'react';

import GuestGreeting from './GuestGreeting';

import UserGreeting from './UserGreeting';

function Greeting(props) {

if (props.isLoggedIn) {

return <UserGreeting />;

}

return <GuestGreeting />;

}

export default Greeting;

**3. App.js**

import React, { useState } from 'react';

import LoginButton from './components/LoginButton';

import LogoutButton from './components/LogoutButton';

import Greeting from './components/Greeting';

function App() {

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

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

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

return (

<div>

<h1>Ticket Booking App</h1>

{

isLoggedIn ?

<LogoutButton onClick={handleLogoutClick} /> :

<LoginButton onClick={handleLoginClick} />

}

<Greeting isLoggedIn={isLoggedIn} />

</div>

);

}

export default App;



