## **Objectives**

* Explain about conditional rendering in React
* Define element variables
* Explain how to prevent components from rendering

In this hands-on lab, you will learn how to:

* Implement conditional rendering in React applications

## **Prerequisites**

The following is required to complete this hands-on lab:

* Node.js
* NPM
* Visual Studio Code

## **Notes**

Estimated time to complete this lab: **60 minutes.**

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.

**Program:**

**GuestPage.js:**

import React from 'react';

function GuestPage() {

return (

<div>

<h1>Please sign up.</h1>

</div>

);

}

export default GuestPage;

**UserPage.js:**

import React from 'react';

function UserPage() {

return (

<div>

<h1>Welcome back</h1>

</div>

);

}

export default UserPage;

**LoginControl.js:**

import React from 'react';

import GuestPage from './GuestPage';

import UserPage from './UserPage';

class LoginControl extends React.Component {

constructor(props) {

super(props);

this.state = { isLoggedIn: false };

}

handleLoginClick = () => {

this.setState({ isLoggedIn: true });

};

handleLogoutClick = () => {

this.setState({ isLoggedIn: false });

};

render() {

const { isLoggedIn } = this.state;

let page, button;

if (isLoggedIn) {

page = <UserPage />;

button = <button onClick={this.handleLogoutClick}>Logout</button>;

} else {

page = <GuestPage />;

button = <button onClick={this.handleLoginClick}>Login</button>;

}

return (

<div style={{ textAlign: 'center', marginTop: '50px' }}>

{page}

{button}

</div>

);

}

}

export default LoginControl;

**App.js:**

import React from 'react';

import LoginControl from './LoginControl';

function App() {

return (

<div>

<LoginControl />

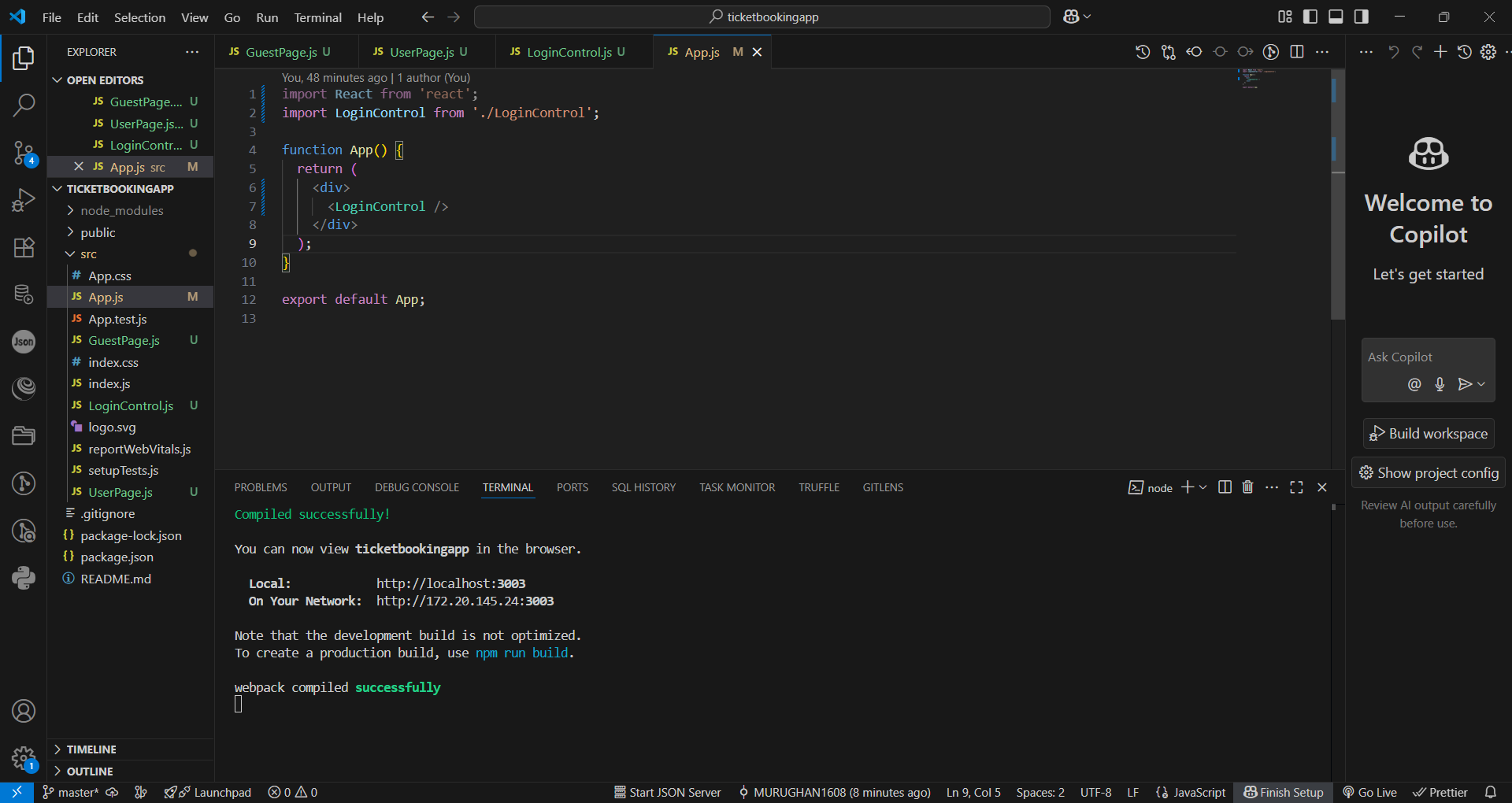
</div>

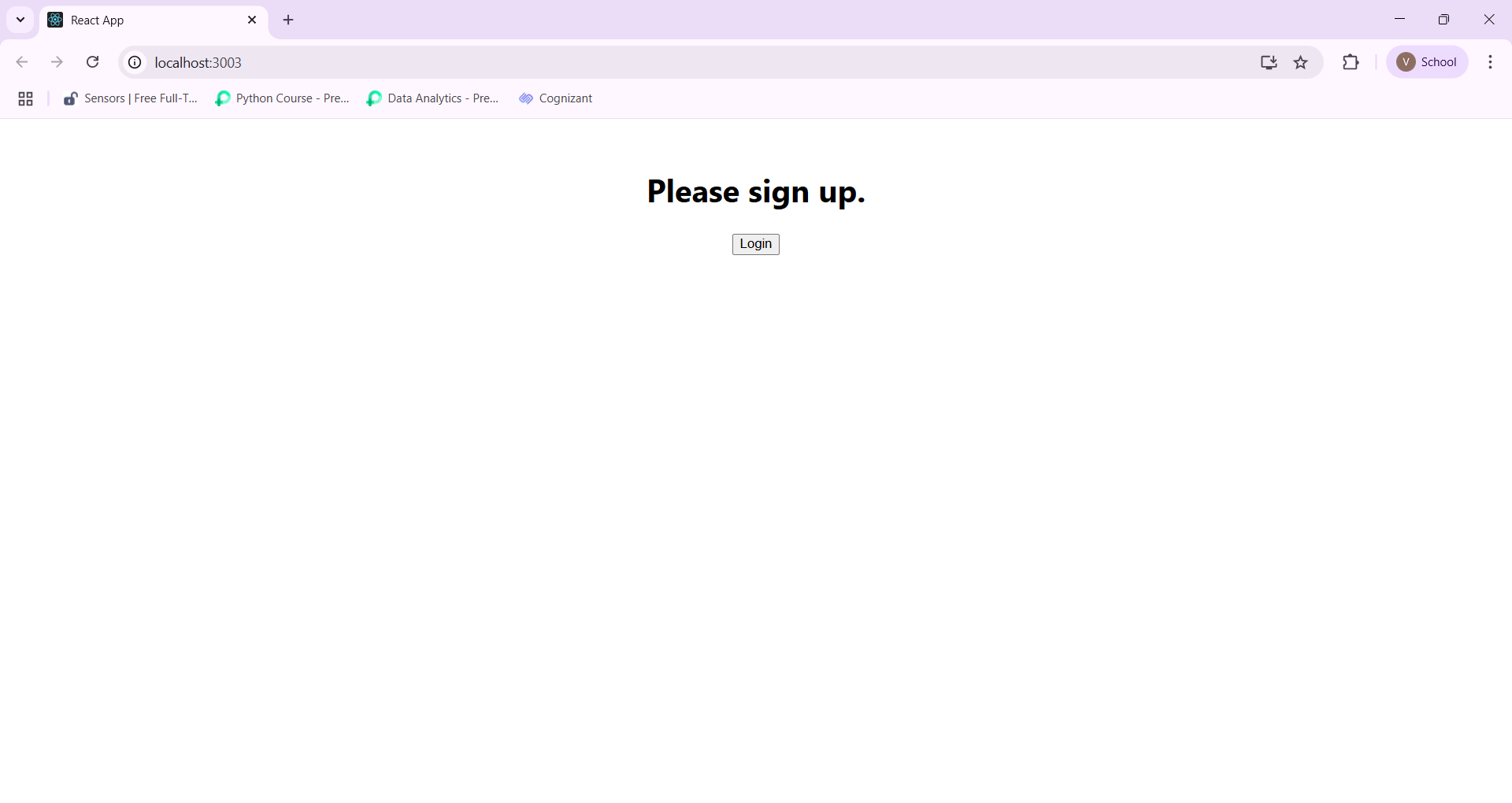
);

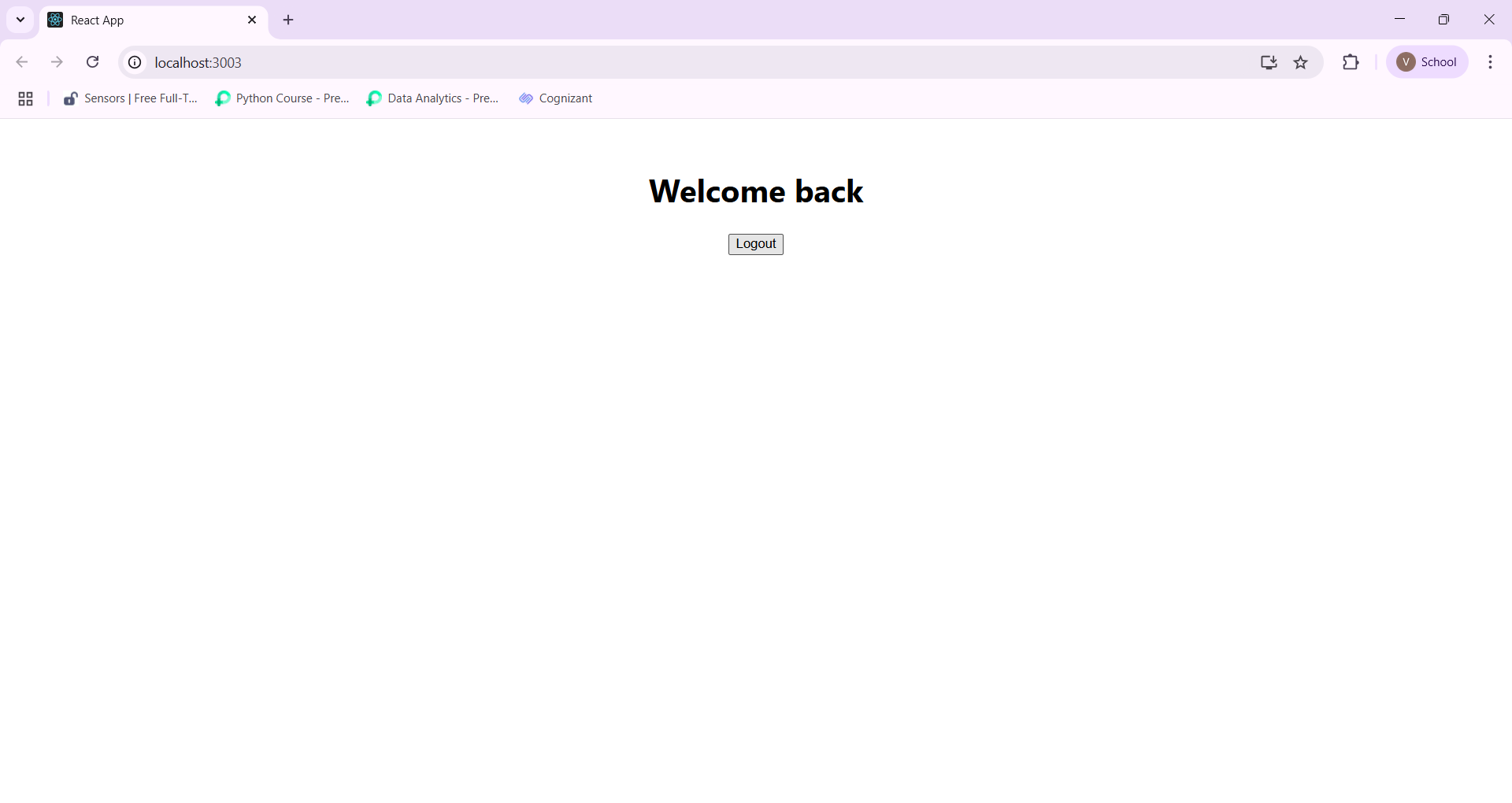
}

export default App;

**Output:**

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