

ReactJS HOL-12

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

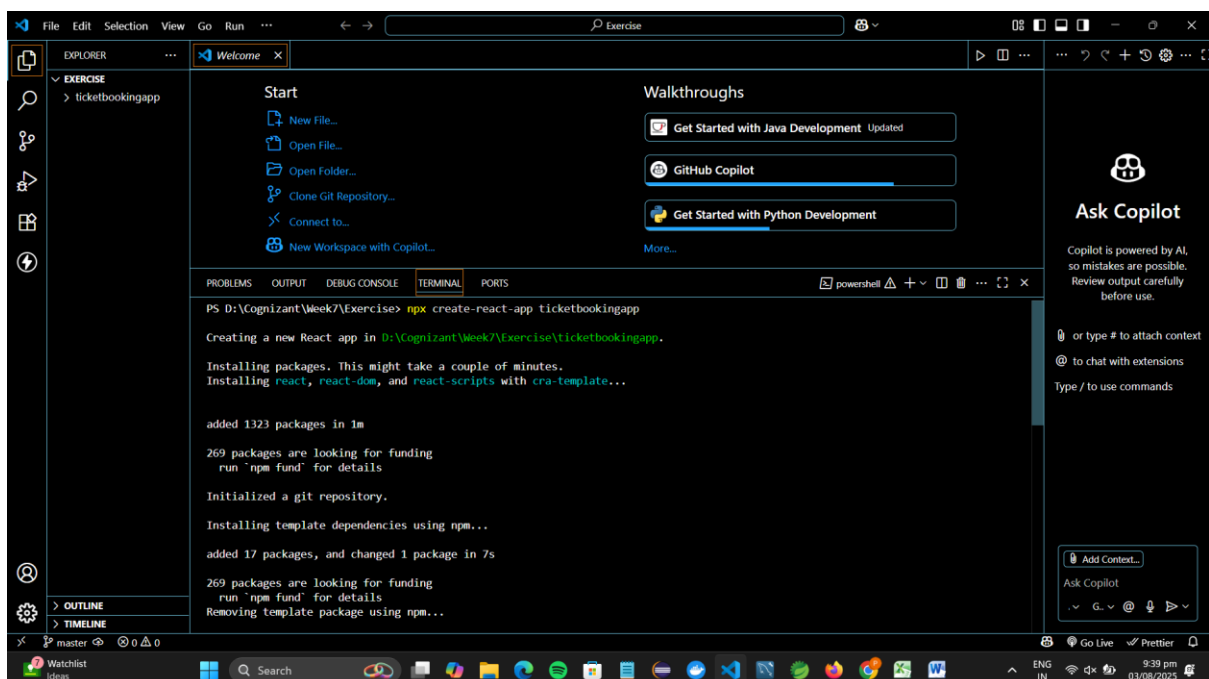
Create a React Application named “ticketbookingapp” where the guest user can browse the page where the flight details are displayed whereas the logged in user only can book tickets.

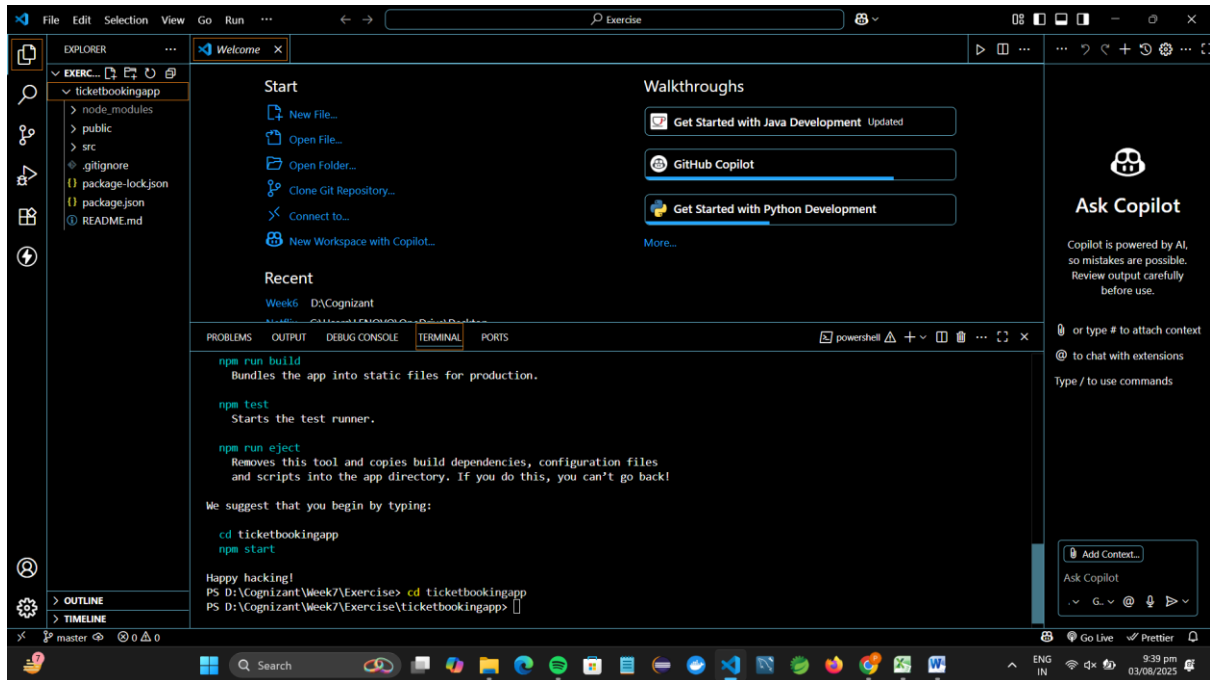
The Login and Logout buttons should accordingly display different pages. Once the user is logged in the User page should be displayed. When the user clicks on Logout, the Guest page should be displayed.

Step 1: Create React App

Open your terminal inside VS Code, and run:

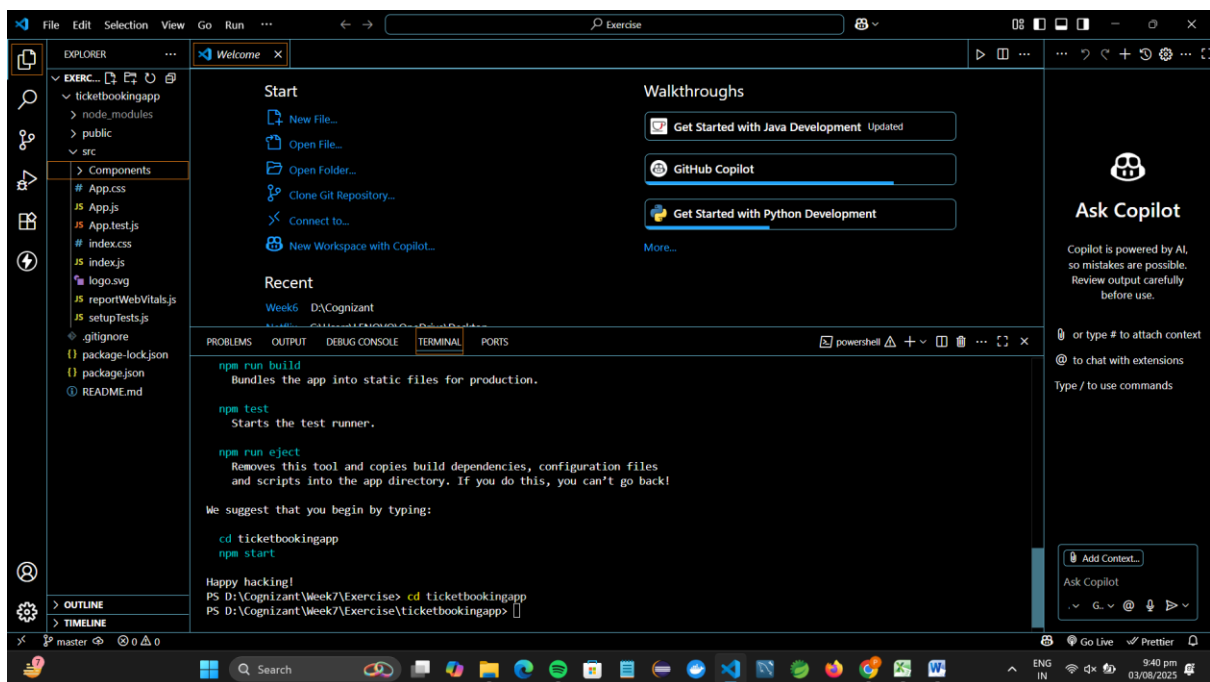
```
npx create-react-app ticketbookingapp  
cd ticketbookingapp
```





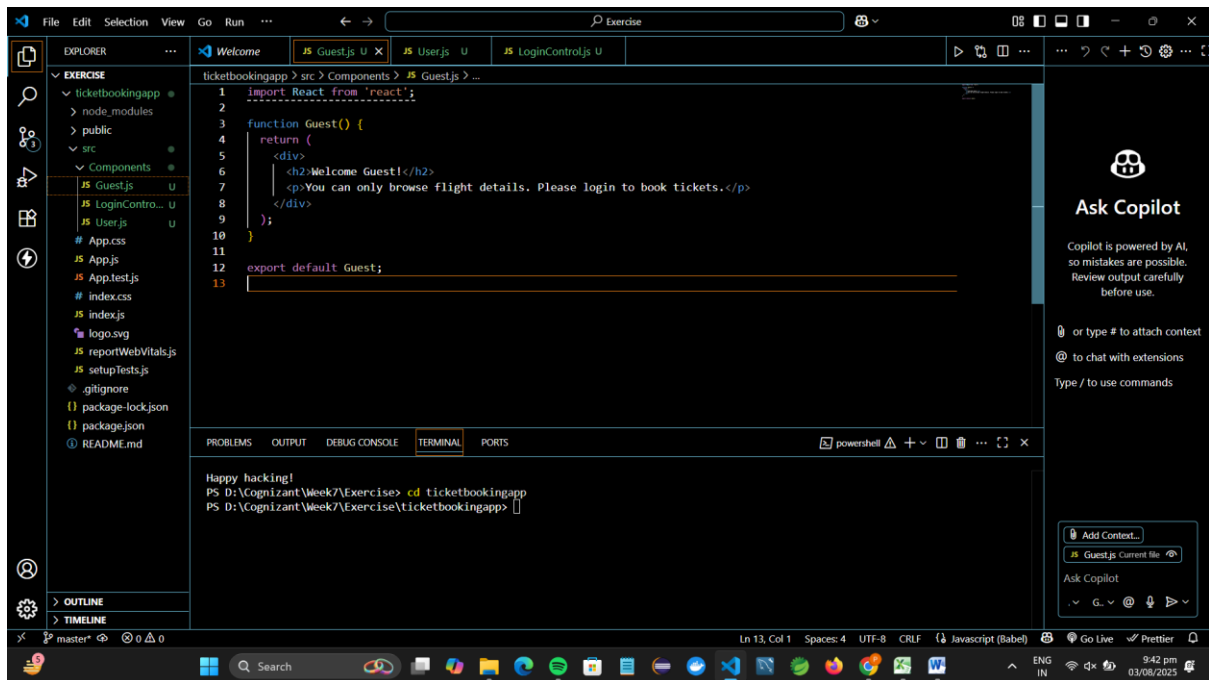
Step 2: Create Components

Inside src, create a folder:



Inside Components, create **3 files**:

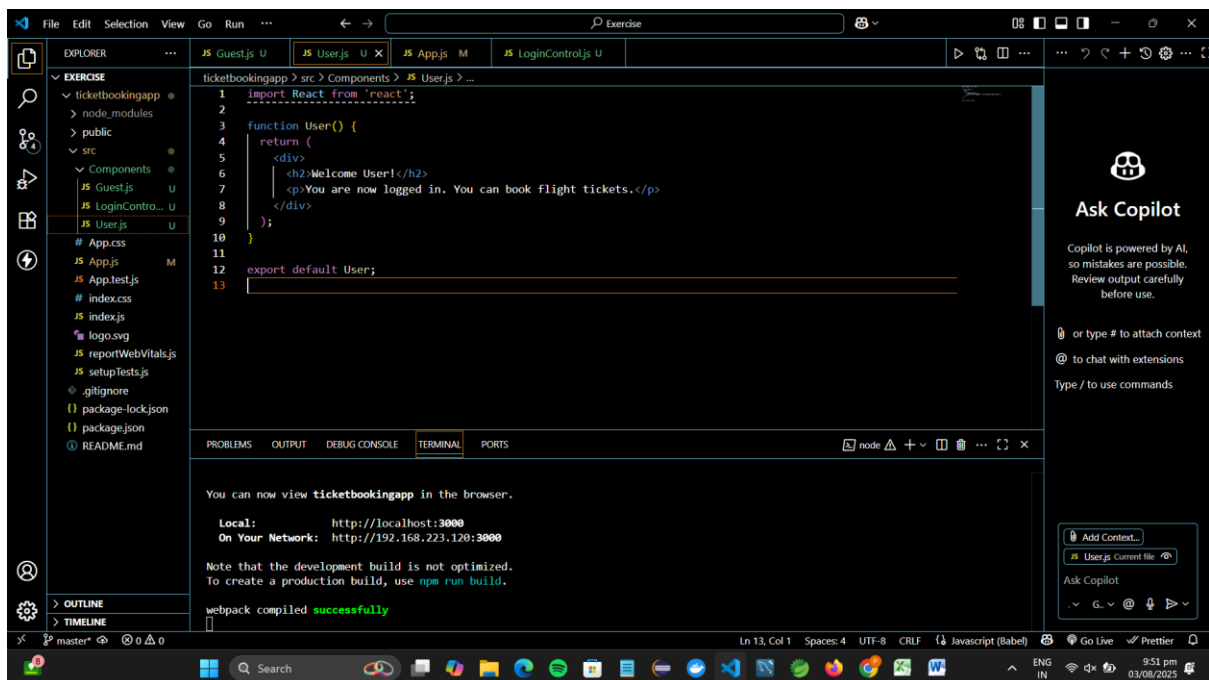
Guest.js:



```
1 import React from 'react';
2
3 function Guest() {
4   return (
5     <div>
6       <h2>Welcome Guest!</h2>
7       <p>You can only browse flight details. Please login to book tickets.</p>
8     </div>
9   );
10 }
11
12 export default Guest;
```

Happy hacking!
PS D:\Cognizant\Week7\Exercise> cd ticketbookingapp
PS D:\Cognizant\Week7\Exercise\ticketbookingapp>

User.js:



```
1 import React from 'react';
2
3 function User() {
4   return (
5     <div>
6       <h2>Welcome User!</h2>
7       <p>You are now logged in. You can book flight tickets.</p>
8     </div>
9   );
10 }
11
12 export default User;
```

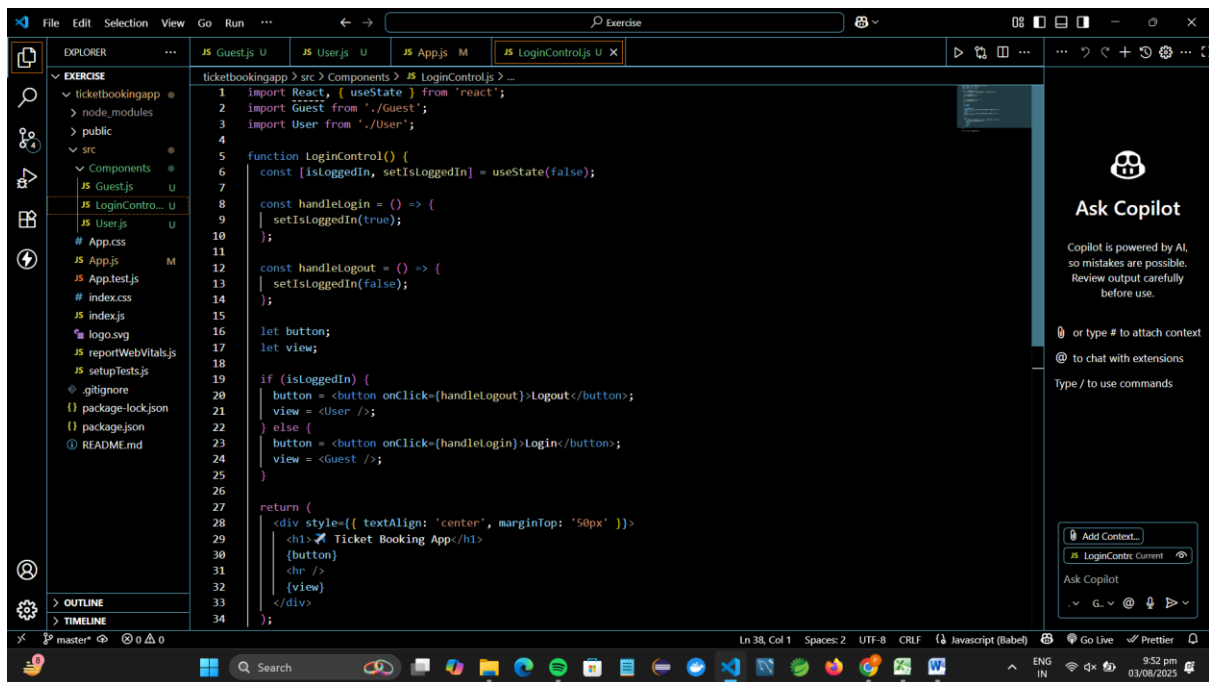
You can now view **ticketbookingapp** in the browser.

Local: <http://localhost:3000>
On Your Network: <http://192.168.223.120:3000>

Note that the development build is not optimized.
To create a production build, use **npm run build**.

webpack compiled **successfully**

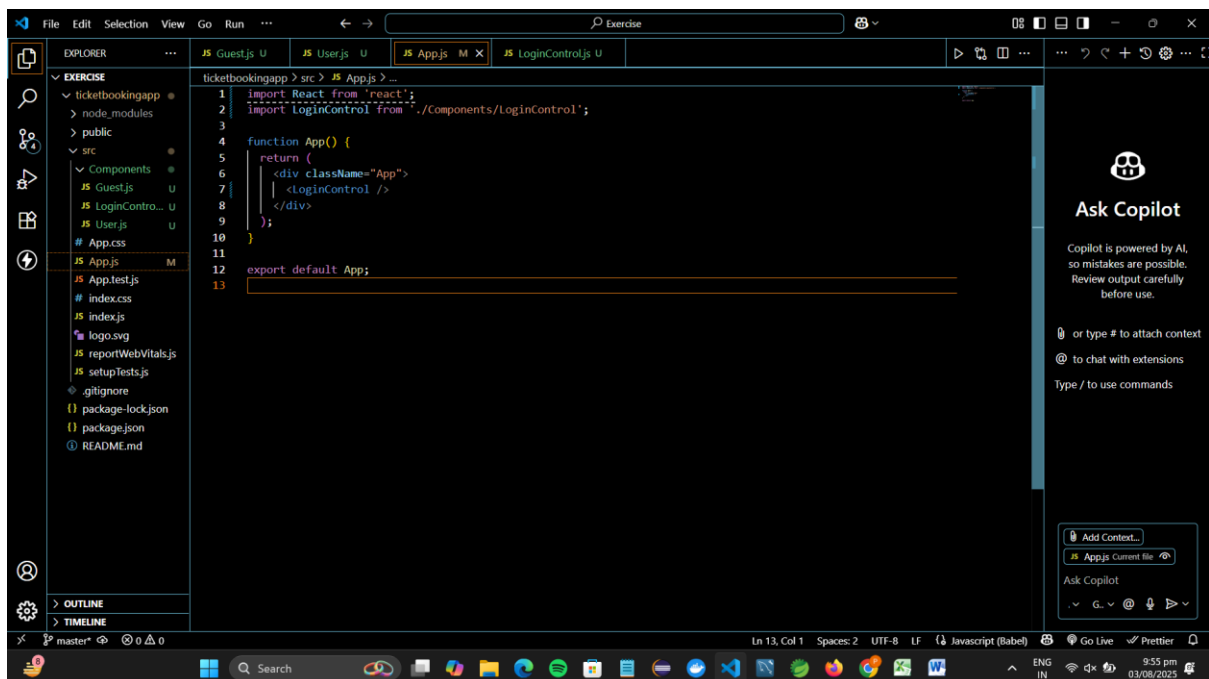
LoginControl.js:



```
1 import React, { useState } from 'react';
2 import Guest from './Guest';
3 import User from './User';
4
5 function LoginControl() {
6   const [isLoggedIn, setIsLoggedIn] = useState(false);
7
8   const handleLogin = () => {
9     setIsLoggedIn(true);
10  };
11
12  const handleLogout = () => {
13    setIsLoggedIn(false);
14  };
15
16  let button;
17  let view;
18
19  if (isLoggedIn) {
20    button = <button onClick={handleLogout}>Logout</button>;
21    view = <User />;
22  } else {
23    button = <button onClick={handleLogin}>Login</button>;
24    view = <Guest />;
25  }
26
27  return (
28    <div style={{ textAlign: 'center', marginTop: '50px' }}>
29      <h1> Ticket Booking App</h1>
30      {button}
31      <hr />
32      {view}
33    </div>
34  );
35}
```

Step 3: Edit App.js

Replace content in src/App.js with:



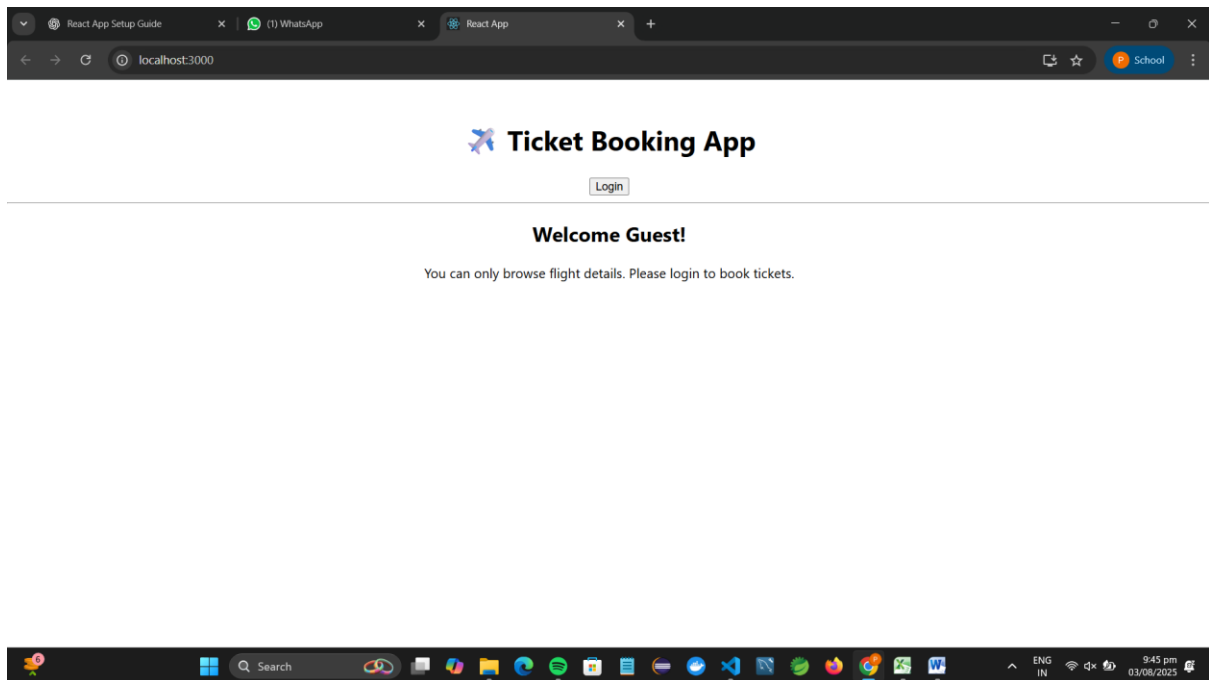
```
1 import React from 'react';
2 import LoginControl from './Components/LoginControl';
3
4 function App() {
5   return (
6     <div className="App">
7       <LoginControl />
8     </div>
9   );
10 }
11
12 export default App;
```

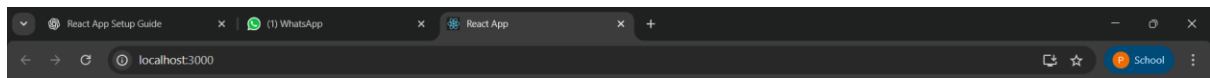
Step 4: Run the App

In terminal, run:

```
npm start
```

Result:





Ticket Booking App

Logout

Welcome User!

You are now logged in. You can book flight tickets.

