

Hands-on 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

Prerequisites

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

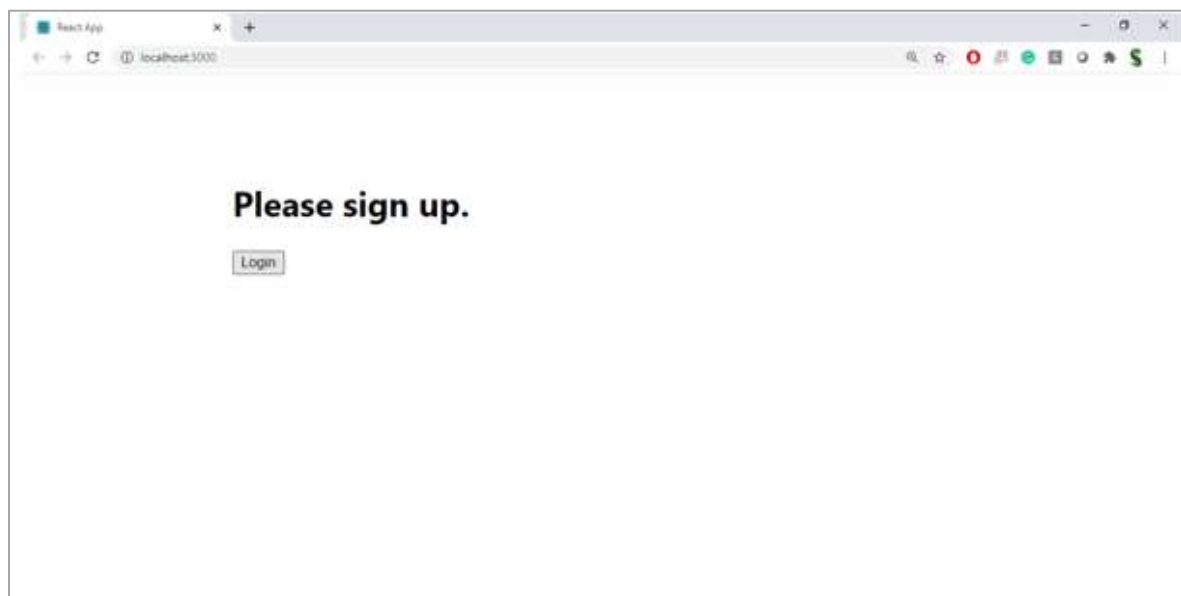
- Node.js
- NPM
- Visual Studio Code

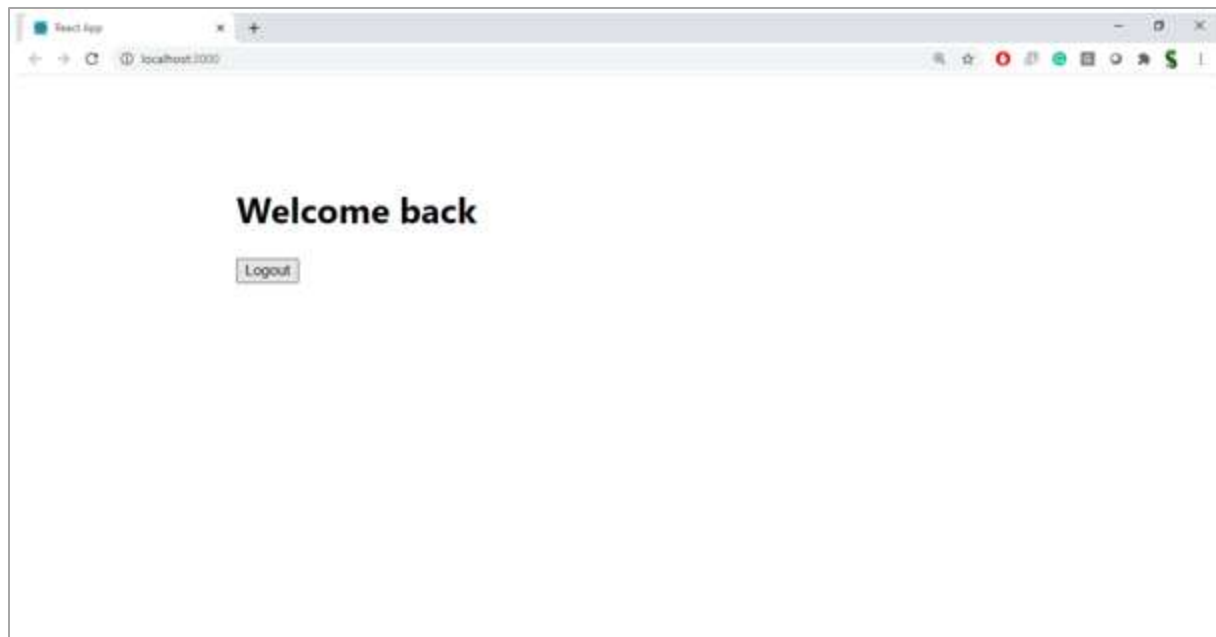
Notes

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.





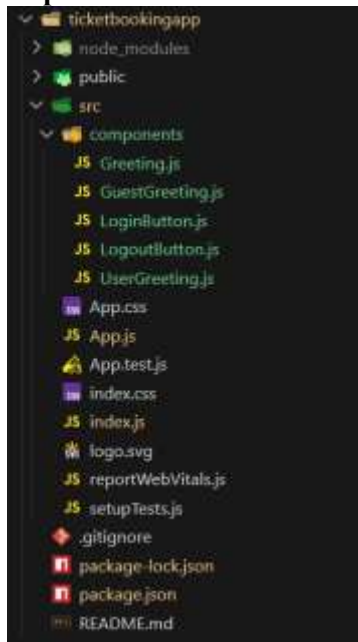
Hint:

```
function LoginButton(props) {  
  return (  
    <button onClick={props.onClick}>  
      Login  
    </button>  
  );  
}
```

```
function LogoutButton(props) {  
  return (  
    <button onClick={props.onClick}>  
      Logout  
    </button>  
  );  
}
```

```
function Greeting(props) {  
  const isLoggedIn = props.isLoggedIn;  
  if (isLoggedIn) {  
    return <UserGreeting />;  
  }  
  return <GuestGreeting />;  
}
```

Implementation



index.js

```
ReactDOM.render(<App />, document.getElementById('root'));
```

App.js

```
import React, { useState } from 'react';
import Greeting from './components/Greeting';
import LoginButton from './components/LoginButton';
import LogoutButton from './components/LogoutButton';

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

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

  return (
    <div style={{ textAlign: 'center', marginTop: '100px' }}>
      <Greeting isLoggedIn={isLoggedIn} />
      {isLoggedIn ? (
        <LogoutButton onClick={handleLogoutClick} />
      ) : (
        <LoginButton onClick={handleLoginClick} />
      )}
    </div>
  );
}

export default App;
```

Greeting.js

```
import React from 'react';
import UserGreeting from './UserGreeting';
import GuestGreeting from './GuestGreeting';
```

```
function Greeting(props) {
  return props.isLoggedIn ? <UserGreeting /> : <GuestGreeting />;
}
```

```
export default Greeting;
```

UserGreeting.js

```
import React from 'react';
```

```
function UserGreeting() {
  return <h1>Welcome back</h1>;
}
```

```
export default UserGreeting;
```

GuestGreeting.js

```
import React from 'react';
```

```
function GuestGreeting() {
  return <h1>Please sign up.</h1>;
}
```

```
export default GuestGreeting;
```

LoginButton.js

```
import React from 'react';
```

```
function LoginButton({ onClick }) {
  return <button onClick={onClick}>Login</button>;
}
```

```
export default LoginButton;
```

LogoutButton.js

```
import React from 'react';
```

```
function LogoutButton({ onClick }) {
  return <button onClick={onClick}>Logout</button>;
}
```

```
export default LogoutButton;
```

Output:

