**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.

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**Hint:**

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**Solution**

Step 1 : Create a react project

npx create-react-app ticketbookingapp

cd ticketbookingapp

npm start

Step 2 : LoginButton.js in src folder

function LoginButton(props) {

  return (

    <button onClick={props.onClick}>

      Login

    </button>

  );

}

export default LoginButton;

Step 3 : LogoutButton.js in src folder

function LogoutButton(props) {

  return (

    <button onClick={props.onClick}>

      Logout

    </button>

  );

}

export default LogoutButton;

Step 4 : UserGreeting.js in src folder

function UserGreeting() {

  return (

    <div>

      <h1>Welcome back</h1>

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

      <button>Book Ticket</button>

    </div>

  );

}

export default UserGreeting;

Step 5: GuestGreeting.js in src folder

function GuestGreeting() {

  return (

    <div>

      <h1>Please sign up.</h1>

      <p>Flight Details:</p>

      <ul>

        <li>Flight A123 - Delhi to Mumbai</li>

        <li>Flight B456 - Mumbai to Bangalore</li>

        <li>Flight C789 - Chennai to Kolkata</li>

      </ul>

    </div>

  );

}

export default GuestGreeting;

Step 6: Greeting.js in src folder

import UserGreeting from './UserGreeting';

import GuestGreeting from './GuestGreeting';

function Greeting(props) {

  const isLoggedIn = props.isLoggedIn;

  if (isLoggedIn) {

    return <UserGreeting />;

  }

  return <GuestGreeting />;

}

export default Greeting;

Step 7 : App.js in src folder

import { useState } from 'react';

import Greeting from './Greeting';

import LoginButton from './LoginButton';

import LogoutButton from './LogoutButton';

function App() {

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

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

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

  return (

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

      <Greeting isLoggedIn={isLoggedIn} />

      {isLoggedIn ? (

        <LogoutButton onClick={handleLogoutClick} />

      ) : (

        <LoginButton onClick={handleLoginClick} />

      )}

    </div>

  );

}

export default App;

**Output**

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