**WEEK 7**

**Module 10 – Single Page Application framework – React**

**12. ReactJS-HOL**

**CODE:**

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**src/App.js**

import React, { Component } from 'react';

import Greeting from './components/Greeting';

import LoginButton from './components/LoginButton';

import LogoutButton from './components/LogoutButton';

class App extends 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 button = isLoggedIn ? (

<LogoutButton onClick={this.handleLogoutClick} />

) : (

<LoginButton onClick={this.handleLoginClick} />

);

return (

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

<Greeting isLoggedIn={isLoggedIn} />

{button}

</div>

);

}

}

export default App;

**Greeting.js**

import React from 'react';

import UserGreeting from './UserGreeting';

import GuestGreeting from './GuestGreeting';

function Greeting({ isLoggedIn }) {

return isLoggedIn ? <UserGreeting /> : <GuestGreeting />;

}

export default Greeting;

**UserGreeting.js**

import React from 'react';

function UserGreeting() {

return <h1>Welcome back, User!</h1>;

}

export default UserGreeting;

**GuestGreeting.js**

import React from 'react';

function GuestGreeting() {

return <h1>Please sign up or log in.</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:**



