**WEEK 7**

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

**16. ReactJS-HOL**

**CODE:**

**src/register.js**

import React, { useState } from "react";

function Register() {

const [formData, setFormData] = useState({

name: "",

email: "",

password: ""

});

const handleChange = (e) => {

const { name, value } = e.target;

setFormData({

...formData,

[name]: value

});

};

const handleSubmit = (e) => {

e.preventDefault();

if (formData.name.length < 5) {

alert("Full name must be 5 characters long!");

return;

}

if (!formData.email.includes("@") || !formData.email.includes(".")) {

alert("Email is not valid");

return;

}

if (formData.password.length < 8) {

alert("Password must be 8 characters long!");

return;

}

alert("Form submitted successfully!");

};

return (

<div>

<h2 style={{ color: "red" }}>Register Here!!!</h2>

<form onSubmit={handleSubmit}>

<div>

<label>Name: </label>

<input type="text" name="name" value={formData.name} onChange={handleChange} />

</div>

<div>

<label>Email: </label>

<input type="text" name="email" value={formData.email} onChange={handleChange} />

</div>

<div>

<label>Password: </label>

<input type="password" name="password" value={formData.password} onChange={handleChange} />

</div>

<button type="submit">Submit</button>

</form>

</div>

);

}

export default Register;

**src/App.js**

import React from "react";

import Register from "./register";

function App() {

return (

<div className="App">

<Register />

</div>

);

}

export default App;

**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(

<React.StrictMode>

<App />

</React.StrictMode>

);

**index.css**

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

display: flex;

justify-content: center;

align-items: center;

height: vh;

margin: 0;

}

form {

background-color: #ffffff;

padding: 20px 30px;

border-radius: 6px;

box-shadow: 0 0 10px rgba(0,0,0,0.1);

width: 100%;

max-width: 400px;

}

h2 {

text-align: center;

margin-bottom: 20px;

font-weight: normal;

}

label {

display: block;

margin-bottom: 6px;

font-size: 14px;

}

input, textarea {

width: 100%;

padding: 8px;

margin-bottom: 12px;

border: 1px solid #ccc;

border-radius: 4px;

}

button {

width: 100%;

padding: 10px;

background-color: #007bff;

color: white;

border: none;

border-radius: 4px;

font-size: 15px;

cursor: pointer;

}

button:hover {

background-color: #0056b3;

}

.error {

color: red;

font-size: 13px;

margin-top: -10px;

margin-bottom: 10px;

}

**OUTPUT:**









