REACT:

16.React-HOL

Create a React App named “mailregisterapp” which will have a component named “register.js”. Create a form which accepts the name, email and password and validate the fields

App.js:

import React from 'react';

import Register from './Register';

import './App.css';

function App() {

return (

<div className="App">

<h1>Mail Register App</h1>

<Register />

</div>

);

}

export default App;

Register.js:

import React, { useState } from 'react';

function Register() {

const [formData, setFormData] = useState({

name: '',

email: '',

password: ''

});

const [errors, setErrors] = useState({});

const handleChange = (e) => {

const { name, value } = e.target;

setFormData(prev => ({

...prev,

[name]: value

}));

};

const validate = () => {

const newErrors = {};

if (formData.name.trim().length < 5) {

newErrors.name = 'Name must be at least 5 characters long';

}

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

newErrors.email = 'Enter a valid email address';

}

if (formData.password.length < 8) {

newErrors.password = 'Password must be at least 8 characters long';

}

return newErrors;

};

const handleSubmit = (e) => {

e.preventDefault();

const validationErrors = validate();

if (Object.keys(validationErrors).length > 0) {

setErrors(validationErrors);

} else {

setErrors({});

alert(`Registration Successful!\n\nName: ${formData.name}\nEmail: ${formData.email}`);

// Reset Form

setFormData({ name: '', email: '', password: '' });

}

};

return (

<div>

<h2>User Registration Form</h2>

<form onSubmit={handleSubmit} noValidate>

<div>

<label>Name:</label><br />

<input

type="text"

name="name"

value={formData.name}

onChange={handleChange}

/>

{errors.name && <div style={{color: 'red'}}>{errors.name}</div>}

</div>

<br />

<div>

<label>Email:</label><br />

<input

type="email"

name="email"

value={formData.email}

onChange={handleChange}

/>

{errors.email && <div style={{color: 'red'}}>{errors.email}</div>}

</div>

<br />

<div>

<label>Password:</label><br />

<input

type="password"

name="password"

value={formData.password}

onChange={handleChange}

/>

{errors.password && <div style={{color: 'red'}}>{errors.password}</div>}

</div>

<br />

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

</form>

</div>

);

}

export default Register;

Output:





