

16.React.js – HOL

Command : npx create-react-app mailregisterapp

Register.js

```
import React, { useState } from 'react';

import './Register.css';

const Register = () => {

  const [name, setName] = useState("");

  const [email, setEmail] = useState("");

  const [password, setPassword] = useState("");

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

  const validateForm = () => {

    const newErrors = {};

    if (name.length < 5) newErrors.name = 'Name must be at least 5 characters long.';

    if (!/\S+@\S+\.\S+/.test(email)) newErrors.email = 'Email must be valid.';

    if (password.length < 8) newErrors.password = 'Password must be at least 8 characters.';

    return newErrors;

  };

  const handleSubmit = (e) => {

    e.preventDefault();

    const validationErrors = validateForm();

    if (Object.keys(validationErrors).length === 0) {
```

```
alert(`Registration successful!\nName: ${name}\nEmail: ${email}`);

setName("");

setEmail("");

setPassword("");

setErrors({});

} else {

    setErrors(validationErrors);

}

};

return (

<div className="container">

    <h1>Register</h1>

    <form onSubmit={handleSubmit}>

        <div>

            <label>Name:</label>

            <input

                type="text"

                value={name}

                onChange={(e) => setName(e.target.value)}

            />

            {errors.name && <span className="error">{errors.name}</span>}

        </div>

        <div>

            <label>Email:</label>

            <input
```

```

        type="email"

        value={email}

        onChange={(e) => setEmail(e.target.value)}

    />

    {errors.email && <span className="error">{errors.email}</span>}

</div>

<div>

    <label>Password:</label>

    <input

        type="password"

        value={password}

        onChange={(e) => setPassword(e.target.value)}

    />

    {errors.password && <span className="error">{errors.password}</span>}

</div>

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

</form>

</div>

);

};

export default Register;

```

Register.css

```

.container {

    max-width: 400px;

```

```
margin: 20px auto;

padding: 20px;

background-color: #f9f9f9;

border-radius: 10px;

box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
}

h1 {

text-align: center;

margin-bottom: 20px;
}

form {

display: flex;

flex-direction: column;

gap: 15px;
}

input {

padding: 10px;

font-size: 14px;

border: 1px solid #ccc;

border-radius: 5px;

box-sizing: border-box;
}

button {

background-color: #007bff;

color: white;
```

```
padding: 10px 15px;

border: none;

border-radius: 5px;

cursor: pointer;

}

button:hover {

  background-color: #0056b3;

}

.error {

  color: red;

  font-size: 12px;

}
```

App.js

```
import Register from './Register';

function App() {

  return (

    <div>

      <Register />

    </div>

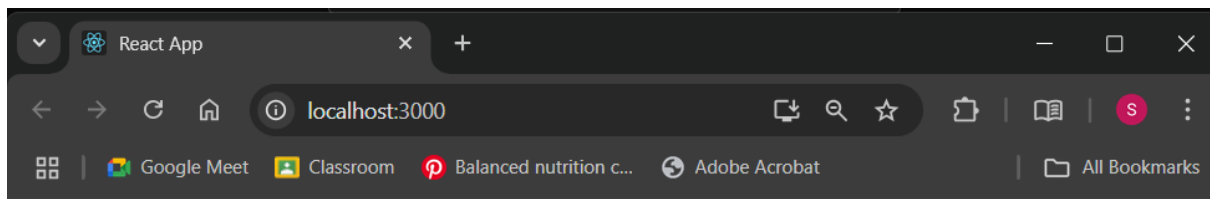
  );

}

export default App;
```

Command : npm start

Output :



Register

Name:

Email:

Password:

