# ReactJS Hands-On Lab 16 - Solutions

## 1. App Setup

npx create-react-app mailregisterapp

## 2. Register Component

import React, { useState } from 'react';  
  
function Register() {  
 const [form, setForm] = useState({ name: '', email: '', password: '' });  
 const [errors, setErrors] = useState({});  
  
 const handleChange = e => {  
 setForm({ ...form, [e.target.name]: e.target.value });  
 };  
  
 const validate = () => {  
 const errs = {};  
 if (form.name.length < 5) errs.name = "Name must be at least 5 chars";  
 if (!form.email.includes('@') || !form.email.includes('.')) errs.email = "Invalid email";  
 if (form.password.length < 8) errs.password = "Password must be at least 8 chars";  
 return errs;  
 };  
  
 const handleSubmit = e => {  
 e.preventDefault();  
 const errs = validate();  
 if (Object.keys(errs).length === 0) {  
 alert("Registration Successful");  
 } else {  
 setErrors(errs);  
 }  
 };  
  
 return (  
 <form onSubmit={handleSubmit}>  
 <input name="name" onChange={handleChange} placeholder="Name" />  
 <span>{errors.name}</span>  
 <input name="email" onChange={handleChange} placeholder="Email" />  
 <span>{errors.email}</span>  
 <input name="password" type="password" onChange={handleChange} placeholder="Password" />  
 <span>{errors.password}</span>  
 <button type="submit">Register</button>  
 </form>  
 );  
}  
  
export default Register;