class Test extends React.Component {

constructor(props){

super(props);

this.state = {

fields: {},

errors: {}

}

}

handleValidation(){

let fields = this.state.fields;

let errors = {};

let formIsValid = true;

//Name

if(!fields["name"]){

formIsValid = false;

errors["name"] = "Cannot be empty";

}

if(typeof fields["name"] !== "undefined"){

if(!fields["name"].match(/^[a-zA-Z]+$/)){

formIsValid = false;

errors["name"] = "Only letters";

}

}

//Email

if(!fields["email"]){

formIsValid = false;

errors["email"] = "Cannot be empty";

}

if(typeof fields["email"] !== "undefined"){

let lastAtPos = fields["email"].lastIndexOf('@');

let lastDotPos = fields["email"].lastIndexOf('.');

if (!(lastAtPos < lastDotPos && lastAtPos > 0 && fields["email"].indexOf('@@') == -1 && lastDotPos > 2 && (fields["email"].length - lastDotPos) > 2)) {

formIsValid = false;

errors["email"] = "Email is not valid";

}

}

this.setState({errors: errors});

return formIsValid;

}

contactSubmit(e){

e.preventDefault();

if(this.handleValidation()){

alert("Form submitted");

}else{

alert("Form has errors.")

}

}

handleChange(field, e){

let fields = this.state.fields;

fields[field] = e.target.value;

this.setState({fields});

}

render(){

return (

<div>

<form name="contactform" className="contactform" onSubmit= {this.contactSubmit.bind(this)}>

<div className="col-md-6">

<fieldset>

<input ref="name" type="text" size="30" placeholder="Name" onChange={this.handleChange.bind(this, "name")} value={this.state.fields["name"]}/>

<span className="error">{this.state.errors["name"]}</span>

<br/>

<input refs="email" type="text" size="30" placeholder="Email" onChange={this.handleChange.bind(this, "email")} value={this.state.fields["email"]}/>

<span className="error">{this.state.errors["email"]}</span>

<br/>

<input refs="phone" type="text" size="30" placeholder="Phone" onChange={this.handleChange.bind(this, "phone")} value={this.state.fields["phone"]}/>

<br/>

<input refs="address" type="text" size="30" placeholder="Address" onChange={this.handleChange.bind(this, "address")} value={this.state.fields["address"]}/>

<br/>

</fieldset>

</div>

<div className="col-md-6">

<fieldset>

<textarea refs="message" cols="28" rows="10"

className="comments" placeholder="Message" onChange={this.handleChange.bind(this, "message")}>{this.state.fields["message"]}</textarea>

</fieldset>

</div>

<div className="col-md-12">

<fieldset>

<button className="btn btn-lg pro" id="submit" value="Submit">Send Message</button>

</fieldset>

</div>

</form>

</div>

)

}

}

ReactDOM.render(<Test />, document.querySelector("#app"))