

Exercise (Instructions): React Redux Form Validation

Objectives and Outcomes

In this exercise we will explore simple form validation for react-redux-form. At the end of this exercise you will be able to:

- Configure and implement simple form validation for controlled forms designed using react-redux-form.

Implementing Simple Form Validation

- Open *ContactComponent.js* and update it as follows to implement form validation:

```
1  ...
2
3
4  const required = (val) => val && val.length;
5  const maxLength = (len) => (val) => !!(val) || (val.length <= len);
6  const minLength = (len) => (val) => val && (val.length >= len);
7  const isNumber = (val) => !isNaN(Number(val));
8  const validEmail = (val) => /^[A-Z0-9._%+-]+@[A-Z0-9.-]+\.[A-Z]{2,4}$/i.test(val);
9
10 ...
11
12 <Row className="form-group">
13   <Label htmlFor="firstname" md={2}>First Name
14   </Label>
15   <Col md={10}>
16     <Control.text model=".firstname" id
17       = "firstname" name="firstname"
18       placeholder="First Name"
19       className="form-control"
20       validators={{
21         required, minLength: minLength(3),
22         maxLength: maxLength(15)
23       }}/>
24     <Errors
25       className="text-danger"
26       model=".firstname"
27       show="touched"
28       messages={{
29         required: 'Required',
30         minLength: 'Must be greater than 2
31           characters',
32         maxLength: 'Must be 15 characters or
33           less'
34       }}/>
35   </Col>
36 </Row>
37 <Row className="form-group">
38   <Label htmlFor="lastname" md={2}>Last Name
39   </Label>
40   <Col md={10}>
41     <Control.text model=".lastname" id
42       = "lastname" name="lastname"
43       placeholder="Last Name"
44       className="form-control"
45       validators={{
46         required, minLength: minLength(3),
47         maxLength: maxLength(15)
48       }}/>
49     <Errors
50       className="text-danger"
51       model=".lastname"
52       show="touched"
53       messages={{
54         required: 'Required',
55         minLength: 'Must be greater than 2
56           characters',
57         maxLength: 'Must be 15 characters or
58           less'
59       }}/>
60   </Col>
61 </Row>
62 <Row className="form-group">
63   <Label htmlFor="telnum" md={2}>Contact Tel
64   </Label>
65   <Col md={10}>
66     <Control.text model=".telnum" id="telnum"
67       name="telnum"
68       placeholder="Tel. Number"
69       className="form-control"
70       validators={{
71         required, minLength: minLength(3),
72         maxLength: maxLength(15), isNumber
73       }}/>
74     <Errors
75       className="text-danger"
76       model=".telnum"
77       show="touched"
78       messages={{
79         required: 'Required',
80         minLength: 'Must be greater than 2
81           numbers',
82         maxLength: 'Must be 15 numbers or
83           less',
84         isNumber: 'Must be a number'
85       }}/>
86   </Col>
87 </Row>
88 <Row className="form-group">
89   <Label htmlFor="email" md={2}>Email</Label>
90   <Col md={10}>
91     <Control.text model=".email" id="email" name
92       = "email"
93       placeholder="Email"
94       className="form-control"
95       validators={{
96         required, validEmail
97       }}/>
98     <Errors
99       className="text-danger"
100      model=".email"
101      show="touched"
102      messages={{
103        required: 'Required',
104        validEmail: 'Invalid Email Address'
105      }}/>
106   </Col>
107 </Row>
```

```
97
98
99
100
101
```

```
</Col> />
</Row>
```

- Save all the changes and do a Git commit with the message "React Redux Form Validation"

Conclusions

In this exercise you learnt about implementing simple form validation using react-redux-form.

Mark as completed

