

Exercise (Instructions): Controlled Form Validation

Objectives and Outcomes

In this exercise you will be introduced to simple form validation for controlled forms in React. At the end of this exercise you will be able to:

- Configure and perform simple form validation for your controlled forms

Simple Form Validation

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- Now that we have introduced some functions that can be used for form validation, let us update the form itself to make use of these as follows:

```

1  . . .
2
3      <FormGroup row>
4          <Label htmlFor="firstname" md={2}>First Name
5              </Label>
6          <Col md={10}>
7              <Input type="text" id="firstname" name
8                  = "firstname"
9                  placeholder="First Name"
10                 value={this.state.firstname}
11                 valid={errors.firstname === ''}
12                 invalid={errors.firstname !== ''}
13                 onBlur={this.handleBlur('firstname')}
14                 onChange={this.handleInputChange} />
15             <FormFeedback>{errors.firstname}
16             </FormFeedback>
17         </Col>
18     </FormGroup>
19     <FormGroup row>
20         <Label htmlFor="lastname" md={2}>Last Name
21             </Label>
22         <Col md={10}>
23             <Input type="text" id="lastname" name
24                 = "lastname"
25                 placeholder="Last Name"
26                 value={this.state.lastname}
27                 valid={errors.lastname === ''}
28                 invalid={errors.lastname !== ''}
29                 onBlur={this.handleBlur('lastname')}
30                 onChange={this.handleInputChange} />
31             <FormFeedback>{errors.lastname}
32             </FormFeedback>
33         </Col>
34     </FormGroup>
35     <FormGroup row>
36         <Label htmlFor="telnum" md={2}>Contact Tel
37             </Label>
38         <Col md={10}>
39             <Input type="tel" id="telnum" name="telnum"
40                 placeholder="Tel. Number"
41                 value={this.state.telnum}
42                 valid={errors.telnum === ''}
43                 invalid={errors.telnum !== ''}
44                 onBlur={this.handleBlur('telnum')}
45                 onChange={this.handleInputChange} />
46             <FormFeedback>{errors.telnum}</FormFeedback>
47         </Col>
48     </FormGroup>
49     <FormGroup row>
50         <Label htmlFor="email" md={2}>Email</Label>
51         <Col md={10}>
52             <Input type="email" id="email" name="email"
53                 placeholder="Email"
54                 value={this.state.email}
55                 valid={errors.email === ''}
56                 invalid={errors.email !== ''}
57                 onBlur={this.handleBlur('email')}
58                 onChange={this.handleInputChange} />
59             <FormFeedback>{errors.email}</FormFeedback>
60         </Col>
61     </FormGroup>
62 . . .

```

- You can now test your form by typing in invalid input and check how the form validation works.

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

Conclusions

In this exercise you have learnt about doing simple form validation for controlled forms in React.