

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

- 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.