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 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:

```jsx
. . .

const required = (val) => val && val.length;
const maxLength = (len) => (val) => !(val) || (val.length <= len);
const minLength = (len) => (val) => val && (val.length >= len);
const isNumber = (val) => !isNaN(Number(val));
const validEmail = (val) => /^[A-Z0-9._%+-]+@[A-Z0-9.-]+\.[A-Z]{2,4}$/i.test(val
    );

. . .

                        <Row className="form-group">
                            <Label htmlFor="firstname" md={2}>First Name
                              </Label>
                            <Col md={10}>
                                <Control.text model=".firstname" id
                                   ="firstname" name="firstname"
                                    placeholder="First Name"
                                    className="form-control"
                                    validators={{
                                        required, minLength: minLength(3),
                                        maxLength: maxLength(15)
                                    }}
                                    />
                                <Errors
                                    className="text-danger"
                                    model=".firstname"
                                    show="touched"
                                    messages={{
                                        required: 'Required',
                                        minLength: 'Must be greater than 2
                                        characters',
                                        maxLength: 'Must be 15 characters or
                                        less'
                                    }}
                                    />
                            </Col>
                        </Row>
                        <Row className="form-group">
                            <Label htmlFor="lastname" md={2}>Last Name
                              </Label>
                            <Col md={10}>
                                <Control.text model=".lastname" id
                                   ="lastname" name="lastname"
                                    placeholder="Last Name"
                                    className="form-control"
                                    validators={{
                                        required, minLength: minLength(3),
                                        maxLength: maxLength(15)
                                    }}
                                    />
                                <Errors
                                    className="text-danger"
                                    model=".lastname"
                                    show="touched"
                                    messages={{
                                        required: 'Required',
                                        minLength: 'Must be greater than 2
                                        characters',
                                        maxLength: 'Must be 15 characters or
                                        less'
                                    }}
                                    />
                            </Col>
                        </Row>
                        <Row className="form-group">
```

```jsx
57                              <Label htmlFor="telnum" md={2}>Contact Tel
                                  .</Label>
58                              <Col md={10}>
59                                  <Control.text model=".telnum" id="telnum"
                                      name="telnum"
60                                      placeholder="Tel. Number"
61                                      className="form-control"
62                                      validators={{
63                                          required, minLength: minLength(3),
                                          maxLength: maxLength(15), isNumber
64                                      }}
65                                      />
66                                  <Errors
67                                      className="text-danger"
68                                      model=".telnum"
69                                      show="touched"
70                                      messages={{
71                                          required: 'Required',
72                                          minLength: 'Must be greater than 2
                                          numbers',
73                                          maxLength: 'Must be 15 numbers or
                                          less',
74                                          isNumber: 'Must be a number'
75                                      }}
76                                  />
77                              </Col>
78                          </Row>
79                          <Row className="form-group">
80                              <Label htmlFor="email" md={2}>Email</Label>
81                              <Col md={10}>
82                                  <Control.text model=".email" id="email" name
                                      ="email"
83                                      placeholder="Email"
84                                      className="form-control"
85                                      validators={{
86                                          required, validEmail
87                                      }}
88                                      />
89                                  <Errors
90                                      className="text-danger"
91                                      model=".email"
92                                      show="touched"
93                                      messages={{
94                                          required: 'Required',
95                                          validEmail: 'Invalid Email Address'
96                                      }}
97                                  />
98                              </Col>
99                          </Row>
100
```

- 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.