LAPORAN MINGGU 8

Disusun sebagai

MATA KULIAH: PEMGROGRAMAN BERBASI FRAMEWORK

Oleh:

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PROGRAM STUDI: D-IV TEKNIK INFORMATIKA
JURUSAN: TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2020

Praktikum

1. Buat dan install

   ➢ redux npx create-react-app contact-redux

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8> npx create-react-app contact-redux

Creating a new React app in D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8\contact-redux
.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...


> core-js@2.6.11 postinstall D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8\contact-redu
x\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"


> core-js@3.6.4 postinstall D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8\contact-redux
\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"


> core-js-pure@3.6.4 postinstall D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8\contact-
redux\node_modules\core-js-pure
> node -e "try{require('./postinstall')}catch(e){}"
```

```
+ cra-template@1.0.3
+ react@16.13.1
+ react-scripts@3.4.1
+ react-dom@16.13.1
added 1579 packages from 748 contributors and audited 929880 packages in 146.818s
found 0 vulnerabilities


Installing template dependencies using npm...
npm WARN react-scripts@3.4.1 requires a peer of typescript@^3.2.1 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of node-sass@^4.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of sass@^1.3.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of fibers@>= 3.1.0 but none is installed. You must install peer dependencies yourself.
npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3
.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current:
{"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})
```

```
+ @testing-library/react@9.5.0
+ @testing-library/jest-dom@4.2.4
+ @testing-library/user-event@7.2.1
added 36 packages from 54 contributors and audited 930086 packages in 24.219s
found 0 vulnerabilities

Removing template package using npm...

npm WARN react-scripts@3.4.1 requires a peer of typescript@^3.2.1 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of node-sass@^4.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of sass@^1.3.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of fibers@>= 3.1.0 but none is installed. You must install peer dependencies yourself.
npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3
.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current:
{"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32","arch":"x64"})

removed 1 package and audited 930085 packages in 13.505s
found 0 vulnerabilities
```

```
Success! Created contact-redux at D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8\contact
-redux
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd contact-redux
  npm start

Happy hacking!
```

➢ npm install -g create-react-app

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8> npm install -g create-react-app
npm WARN deprecated mkdirp@0.5.4: Legacy versions of mkdirp are no longer supported. Please update to mkdirp 1.x. (Note that the API
surface has changed to use Promises in 1.x.)
C:\Users\user\AppData\Roaming\npm\create-react-app -> C:\Users\user\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 8 packages in 5.04s
```
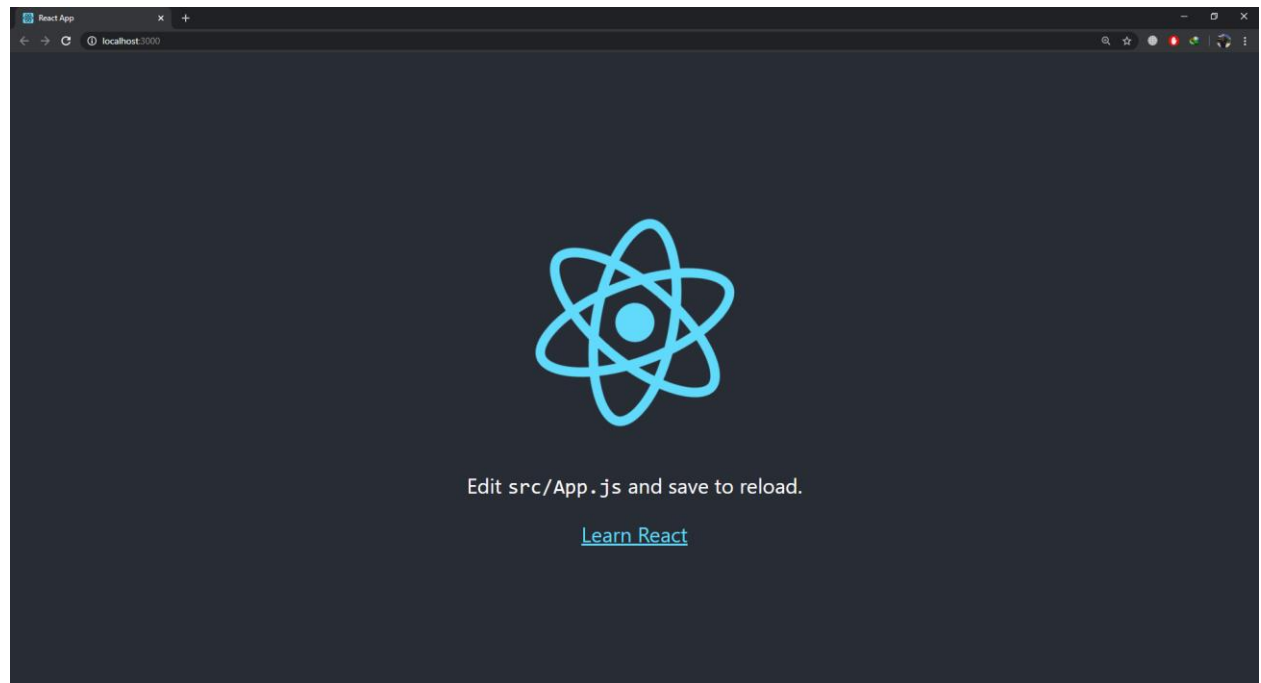
➢ create-react-app contact-redux

```
PS D:\Tugas\Semester 6\Framework\Tugas_Firnanda_Kusuma_Pratama_1741720012_PBF\firnanda-minggu8> create-react-app contact-redux
The directory contact-redux contains files that could conflict:

  node_modules/
  package-lock.json
  package.json
  public/
  src/

Either try using a new directory name, or remove the files listed above.
```

➢ npm start

2. Kemudian install Form dengan perintah "npm install --save redux react-redux redux-form"

3. Ubah file index.html pada folder /public/index.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <meta charset="utf-8" />
5       <meta
6         name="viewport"
7         content="width=device-width, initial-scale=1, shrink-to-fit=no"
8       />
9       <meta name="theme-color" content="#000000" />
10      <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
11      <link rel="shortcut icon" href="%PUBLIC_URL%/favicon.ico" />
12      <link
13        rel="stylesheet"
14        href="https://cdnjs.cloudflare.com/ajax/libs/bulma/0.6.2/css/bulma.min.css"
15      />
16      <title>React App</title>
17    </head>
18    <body>
19      <noscript>
20        You need to enable JavaScript to run this app.
21      </noscript>
22      <div id="root"></div>
23    </body>
24  </html>
```

4. Ubah file App.js pada folder /src/App.js

```js
import React, { Component } from "react";
import { reduxForm, Field } from "redux-form";
import logo from "./logo.svg";
import "./App.css";

let SignInForm = props => {
  const { handleSubmit } = props;
  return (
    <form onSubmit={handleSubmit} className="form">
      <div className="field">
        <div className="control">
          <Field
            name="firstName"
            component={renderField}
            type="text"
            label="First Name"
          />
        </div>
      </div>

      <div className="field">
        <div className="control">
          <Field
            name="lastName"
            component={renderField}
            type="text"
```

```jsx
27                          label="Last Name"
28                        />
29                    </div>
30                  </div>
31
32                  <div className="field">
33                    <div className="control">
34                      <Field
35                        name="email"
36                        component={renderField}
37                        type="email"
38                        label="Email Address"
39                      />
40                    </div>
41                  </div>
42
43                  <div className="field">
44                    <div className="control">
45                      <Field name="age" component={renderField} type="number" label="Age" />
46                    </div>
47                  </div>
48
49                  <div className="field">
50                    <div className="control">
51                      <label className="label">Proficiency</label>
52                      <div className="select">
```

```jsx
53                <Field className="input" name="proficiency" component="select">
54                  <option />
55                  <option value="beginner">Beginner Dev</option>
56                  <option value="intermediate">Intermediate Dev</option>
57                  <option value="expert">Expert Dev</option>
58                </Field>
59              </div>
60            </div>
61          </div>
62
63          <div className="field">
64            <div className="control">
65              <label className="label">Gender</label>
66              <label className="radio">
67                <Field name="gender" component="input" type="radio" value="male" />{" "}
68                Male
69              </label>
70              <label className="radio">
71                <Field
72                  name="gender"
73                  component="input"
74                  type="radio"
75                  value="female"
76                />{" "}
77                Female
78              </label>
```

```
79            </div>
80          </div>
81
82        <div className="field">
83          <div className="control">
84            <label className="checkbox">
85              <Field
86                name="saveDetails"
87                id="saveDetails"
88                component="input"
89                type="checkbox"
90              />
91              Save Details
92            </label>
93          </div>
94        </div>
95
96        <div className="field">
97          <div className="control">
98            <label className="label">Message</label>
99            <Field className="textarea" name="message" component="textarea" />
100         </div>
101       </div>
102
103       <div className="field">
104         <div className="control">
```

```
105                    <button className="button is-link">Submit</button>
106                </div>
107            </div>
108        </form>
109    );
110 };
111
112 const validate = val => {
113     const errors = {};
114     if (!val.firstName) {
115         console.log("First Name is required");
116         errors.firstName = "Required";
117     }
118     if (!val.lastName) {
119         console.log("Last Name is required");
120         errors.lastName = "Required";
121     }
122     if (!val.email) {
123         console.log("email is required");
124         errors.email = "Required";
125     } else if (!/^.+@.+$/i.test(val.email)) {
126         console.log("email is invalid");
127         errors.email = "Invalid email address";
128     }
129     if (!val.age) {
130         errors.age = "Required";
```
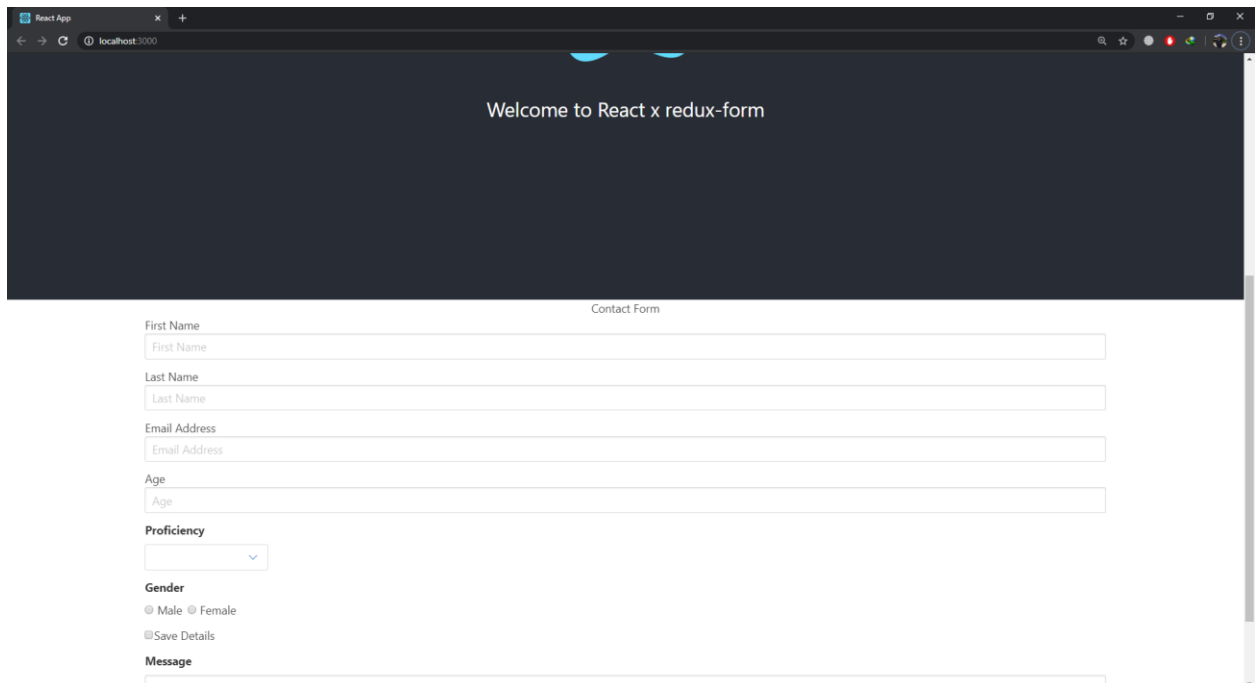
```
131      } else if (isNaN(Number(val.age))) {
132        errors.age = "Must be a number";
133      } else if (Number(val.age) < 18) {
134        errors.age = "Sorry, you must be at least 18 years old";
135      }
136      return errors;
137    };
138
139    const renderField = ({
140      input,
141      label,
142      type,
143      meta: { touched, error, warning }
144    }) => (
145      <div>
146        <div className="control">
147          <label className="field">{label}</label>
148          <input className="input" {...input} placeholder={label} type={type} />
149          {touched &&
150            ((error && <span>{error}</span>) ||
151              (warning && <span>{warning}</span>))}
152        </div>
153      </div>
154    );
155
156    SignInForm = reduxForm({
```

```jsx
157      form: "signIn",
158      validate
159    })(SignInForm);
160
161    class App extends Component {
162      handleSignIn = values => {
163        console.log(values);
164      };
165
166      render() {
167        return (
168          <div className="App">
169            <header className="App-header">
170              <img src={logo} className="App-logo" alt="logo" />
171              <h1 className="App-title">Welcome to React x redux-form</h1>
172            </header>
173            <div className="container">
174              <p className="App-intro">Contact Form</p>
175              <SignInForm onSubmit={this.handleSignIn} />
176            </div>
177          </div>
178        );
179      }
180    }
181
182    export default App;
```

5. Ubah file /src/index.js

```
src > JS index.js > ...
   1    import React from "react";
   2    import ReactDOM from "react-dom";
   3
   4    import { createStore, combineReducers } from "redux";
   5    import { Provider } from "react-redux";
   6    import { reducer as formReducer } from "redux-form";
   7
   8    import "./index.css";
   9    import App from "./App";
  10    import registerServiceWorker from "./registerServiceWorker";
  11
  12    const rootReducer = combineReducers({ form: formReducer });
  13
  14    const store = createStore(rootReducer);
  15
  16    ReactDOM.render(
  17      <Provider store={store}>
  18        {" "}
  19        <App />{" "}
  20      </Provider>,
  21      document.getElementById("root")
  22    );
  23
  24    registerServiceWorker();
```

6. Hasil saat program kita jalankan
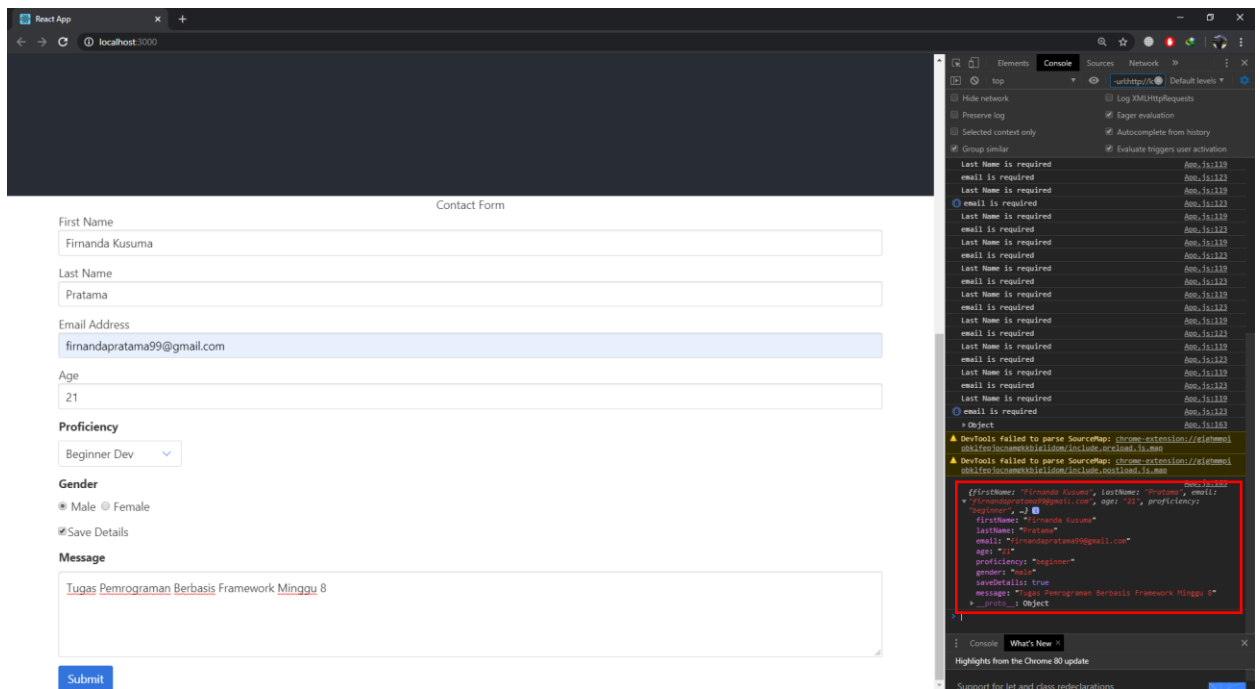
Ketika semua form diisi, maka akan muncul pada console log