

LAPORAN INDIVIDU



LAPORAN JOBSHEET MINGGU 8

(REDUX DAN HOC)

MATA KULIAH:

PEMROGRAMAN BERBASIS FRAMEWORK

Disusun Oleh:
Fawwaz Ramzy Darmawan (1741720067)

**PROGRAM STUDI D-IV TEKNIK INFORMATIKA JURUSAN
TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG
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1. Buat dan install redux

1. `npx create-react-app contact-redux`
2. `npm install -g create-react-app`
3. `create-react-app contact-redux`

```
Success! Created contact-redux at /Users/frayd/Documents/kuliah/Semester 6/Tugas_FawwazRamzyDarmawan_1741720067_PBF/fawwaz-minggu8-2/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
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 in 1.x.)
/usr/local/bin/create-react-app -> /usr/local/lib/node_modules/create-react-app/index.js
+ create-react-app@3.4.1
updated 1 package in 5.149s
```

```
> 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.

d. npm start

Compiled successfully!

You can now view **contact-redux** in the browser.

Local: `http://localhost:3000`
On Your Network: `http://192.168.1.11:3000`

Note that the development build is not optimized.
To create a production build, use `npm run build`.

2. Install Form npm install --save redux react-redux redux-form

```
D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>npm install --save redux react-redux redux-form
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-beta || >= 3.6.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN redux-form@8.3.1 requires a peer of immutable@3.8.2 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\webpack\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"})

+ react-redux@7.2.0
+ redux@4.0.5
+ redux-form@8.3.1
added 8 packages from 7 contributors in 38.931s

D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
```

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

```
index.html x JS App.js JS index.js .../contact-redux/... JS index.js fawwaz-minggu7/...
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://cdn.jsdelivr.net/npm/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>
25
```

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

```
index.html x JS App.js x JS index.js .../contact-redux/... JS index.js fawwaz-minggu7/...
1 import React, { Component } from "react";
2 import { reduxForm, Field } from "redux-form";
3 import logo from "./logo.svg";
4 import "./App.css";
5 let SignInForm = props => {
6   const { handleSubmit } = props;
7   return (
8     <form onSubmit={handleSubmit} className="form">
9       <div className="field">
10        { " " }
11        <div className="control">
12          <Field
13            name="firstName"
14            component={renderField}
15            type="text"
16            label="First Name"
17          />{ " " }
18        </div>
19      </div>
20      <div className="field">
21        { " " }
22        <div className="control">
23          <Field
24            name="lastName"
25            component={renderField}
26            type="text"
27            label="Last Name"
28          />{ " " }
29        </div>
30      </div>
31    </form>
32  );
33 }
34 <div className="control">
35   <Field
36     name="email"
37     component={renderField}
38     type="email"
39     label="Email Address"
40   />{ " " }
41 </div>
42 <div className="field">
43   { " " }
44   <div className="control">
45     <Field name="age" component={renderField} type="number" label="Age" />{ " " }
46   </div>
47 </div>
48 <div className="field">
49   { " " }
50   <div className="control">
51     <label className="label">Proficiency</label>{ " " }
52     <div className="select">
53       <Field className="input" name="proficiency" component="select">
54         { " " }
55       </Field>
56       <option value="beginner">Beginner Dev</option>
57       <option value="intermediate">Intermediate Dev</option>
58       <option value="expert">Expert Dev</option>{ " " }
59     </div>
60   </div>{ " " }
61 </div>
```

```

61 |     </div>
62 |   </div>
63 |   <div className="field">
64 |     {" "}
65 |     <div className="control">
66 |       <label className="label">Gender</label>{" "}
67 |       <label className="radio">
68 |         <Field name="gender" component="input" type="radio" value="male" />{" "}
69 |         Male
70 |       </label>
71 |       <label className="radio">
72 |         <Field
73 |           name="gender"
74 |           component="input"
75 |           type="radio"
76 |           value="female"
77 |         />{" "}
78 |         Female
79 |       </label>{" "}
80 |     </div>
81 |   </div>
82 |   <div className="field">
83 |     {" "}
84 |     <div className="control">
85 |       <label className="checkbox">
86 |         <Field
87 |           name="saveDetails"
88 |           id="saveDetails"
89 |           component="input"
90 |           type="checkbox"
91 |         />{" "}

```

```

92 |       Save Details
93 |     </label>{" "}
94 |   </div>
95 | </div>
96 | <div className="field">
97 |   {" "}
98 |   <div className="control">
99 |     <label className="label">Message</label>
100 |     <Field
101 |       className="textarea"
102 |       name="message"
103 |       component="textarea"
104 |     />{" "}
105 |   </div>
106 | </div>
107 | <div className="field">
108 |   {" "}
109 |   <div className="control">
110 |     <button className="button is-link">Submit</button>{" "}
111 |   </div>
112 | </div>
113 | </form>
114 | );
115 | };
116 | const validate = val => {
117 |   const errors = {};
118 |   if (!val.firstName) {
119 |     console.log("First Name is required");
120 |     errors.firstName = "Required";
121 |   }

```

```

122 |   if (!val.lastName) {
123 |     console.log("Last Name is required");
124 |     errors.lastName = "Required";
125 |   }
126 |   if (!val.email) {
127 |     console.log("email is required");
128 |     errors.email = "Required";
129 |   } else if (!/^.+@.+$/.test(val.email)) {
130 |     console.log("email is invalid");
131 |     errors.email = "Invalid email address";
132 |   }
133 |   if (!val.age) {
134 |     errors.age = "Required";
135 |   } else if (isNaN(Number(val.age))) {
136 |     errors.age = "Must be a number";
137 |   } else if (Number(val.age) < 18) {
138 |     errors.age = "Sorry, you must be at least 18 years old";
139 |   }
140 |   return errors;
141 | };
142 | const renderField = ({
143 |   input,
144 |   label,
145 |   type,
146 |   meta: { touched, error, warning }
147 | }) => (
148 |   <div>
149 |     <div className="control">
150 |       <label className="field">{label}</label>
151 |       <input className="input" {...input} placeholder={label} type={type} />
152 |       {touched &&
153 |         ((error && <span>{error}</span>) ||
154 |          (warning && <span>{warning}</span>))}
155 |     </div>{" "}

```

```

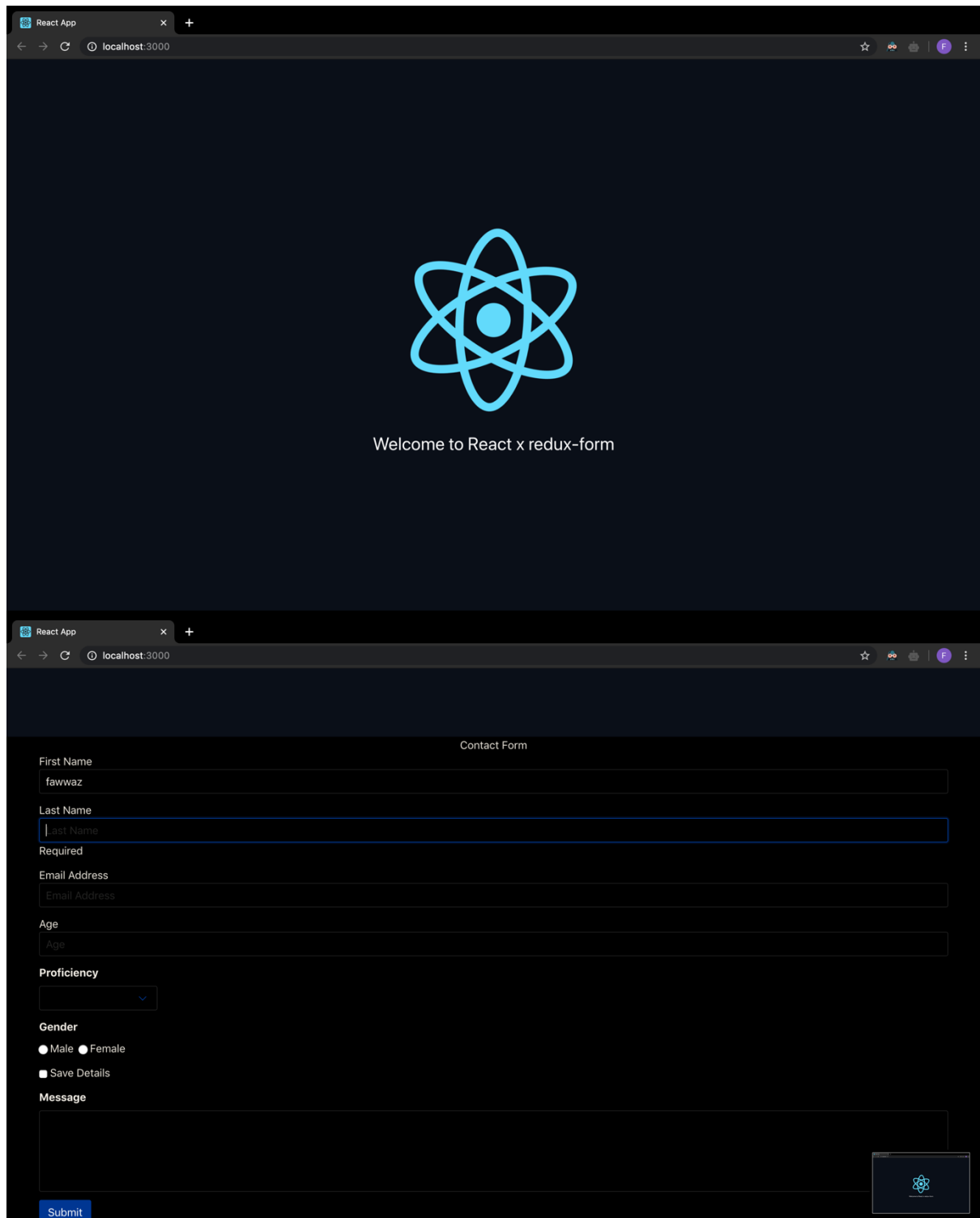
156 | </div>
157 | );
158 | SignInForm = reduxForm({ form: "signIn", validate })(SignInForm);
159 | class App extends Component {
160 |   handleSignIn = values => {
161 |     console.log(values);
162 |   };
163 |   render() {
164 |     return (
165 |       <div className="App">
166 |         <header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

```

5. Ubah file /src/index.js

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

6. Run Hasil



React App

localhost:3000

Welcome to React x redux-form

Contact Form

First Name
fawwaz

Last Name
Last Name

Required

Email Address
Email Address

Age
Age

Proficiency
▼

Gender
☒ Male ☐ Female

☐ Save Details

Message

Submit

Hasil ketika button submit diklik

