

TUGAS INDIVIDU
Redux Hoc
Pemrograman Berbasis Framework

Oleh:

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TI-3A / 02



PROGRAM STUDI – D4 TEKNIK INFORMATIKA

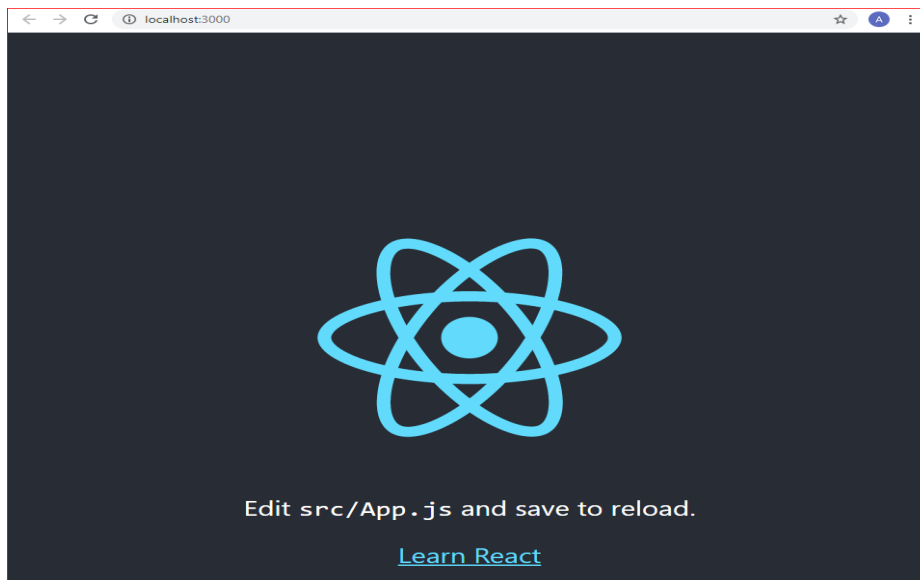
JURUSAN – TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020/2021

Praktikum :

1. Buatlah dan install redux



a) npx create-react-app contact-redux

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\KULIAH\Semester6\Pemrograman Berbasis Framework\Week08\ReduxhocPBF> npx create-react-app contact-redux

Creating a new React app in D:\KULIAH\Semester6\Pemrograman Berbasis Framework\Week08\ReduxhocPBF\contact-redux.

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

b) npm install -g create-react-app

```
PS D:\KULIAH\Semester6\Pemrograman Berbasis Framework\Week08\ReduxhocPBF\contact-redux> 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\alfal\AppData\Roaming\npm\create-react-app -> C:\Users\alfal\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 1 package in 3.085s
```

2. Install Form

```
PS D:\KULIAH\Semester6\Pemrograman Berbasis Framework\Week08\ReduxhocPBF\contact-redux> npm
install --save redux react-redux redux-form
npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-d
ev || >= 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 redux-form@8.3.1 requires a peer of immutable@^3.8.2 but none is installed. You mu
st 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: want
ed {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\webpack-dev-s
erver\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wan
ted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
```

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

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

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

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

```
index.html JS App.js X
contact-redux > src > JS App.js > SignInForm
48      <label className="label">Gender</label>
49      <label className="radio">
50        <Field name="gender" component="input" type="radio" value="male" />
51        { ' ' }
52        Male
53      </label>
54      <label className="radio">
55        <Field name="gender" component="input" type="radio" value="female" />
56        { ' ' }
57        Female
58      </label>
59    </div>
60  </div>
61
62  <div className="field">
63    <div className="control">
64      <label className="checkbox">
65        <Field name="saveDetails" id="saveDetails" component="input" type="checkbox"/>
66        Save Details
67      </label>
68    </div>
69  </div>
70
71  <div className="field">
72    <div className="control">
73      <label className="label">Message</label>
74      <Field className="textarea" name="message" component="textarea" />
75    </div>
76  </div>
77
78  <div className="field">
79    <div className="control">
80      <button className="button is-link">Submit</button>
81    </div>
82  </div>
83
84  </form>;
85
86
87  const validate = val => {
88    const errors = {};
89    if (!val.firstName) {
90      console.log('First Name is required');
91      errors.firstName = 'Required';
92    }
93    if (!val.lastName) {
94      console.log('Last Name is required');
95      errors.lastName = 'Required';
96    }
97  };
```

```
<> index.html x JS App.js x
contact-redux > src > JS App.js > [e] SignInForm
196 |     if (!val.email) {
197 |       console.log('email is required');
198 |       errors.email = 'Required';
199 |     } else if (!/^.+@.+$/.test(val.email)) {
200 |       console.log('email is invalid');
201 |       errors.email = 'Invalid email address';
202 |     }
203 |     if (!val.age) {
204 |       errors.age = 'Required'
205 |     } else if (isNaN(Number(val.age))) {
206 |       {
207 |         errors.age = 'Must be a number'
208 |       } else if (Number(val.age) < 18) {
209 |         errors.age = 'Sorry, you must be at least 18 years old'
210 |       }
211 |     }
212 |     return errors;
213 |   };
214 |
215 |   const renderField = ({ input, label, type, meta: { touched, error, warning } }) => (
216 |     <div>
217 |       <div className="control">
218 |         <label className="field">{label}</label>
219 |         <input className="input" {...input} placeholder={label} type={type}/>
220 |         {touched && ((error && <span>{error}</span>) || (warning && <span>{warning}</span>))}
221 |       </div>
222 |     </div>
223 |   )
224 |   SignInForm = reduxForm({
225 |     form: 'signIn',
226 |     validate, })(SignInForm);
227 |
228 |   class App extends Component {
229 |
230 |     handleSignIn = values => {
231 |       console.log(values);
232 |     };
233 |
234 |     render() {
235 |       return (
236 |         <div className="App">
237 |           <header className="App-header">
238 |             <img src={logo} className="App-logo" alt="logo" />
239 |             <h1 className="App-title">Welcome to React x redux-form</h1>
240 |           </header>
241 |           <div className="container">
242 |             <p className="App-intro">
243 |               Contact Form
244 |             </p>
245 |             <SignInForm onSubmit={this.handleSignIn} />
246 |           </div>
247 |         </div>
248 |       );
249 |     }
250 |   }
251 |
252 |   export default App;
```

```
contact-redux > src > JS App.js > [e] SignInForm
130 |
131 |   render() {
132 |     return (
133 |       <div className="App">
134 |         <header className="App-header">
135 |           <img src={logo} className="App-logo" alt="logo" />
136 |           <h1 className="App-title">Welcome to React x redux-form</h1>
137 |         </header>
138 |         <div className="container">
139 |           <p className="App-intro">
140 |             Contact Form
141 |           </p>
142 |           <SignInForm onSubmit={this.handleSignIn} />
143 |         </div>
144 |       </div>
145 |     );
146 |   }
147 | }
148 |
149 | export default App;
```

5. Ubah file /src/index.js

```
index.html JS App.js JS index.js X
contact-redux > 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({
13   form: formReducer,
14 });
15
16 const store = createStore(rootReducer);
17
18 ReactDOM.render(
19   <Provider store={store}>
20     <App />
21   </Provider>,
22   document.getElementById('root') );
23
24 registerServiceWorker();
```

6. Running hasilnya dan buatlah laporannya

localhost:3000

Contact Form

First Name
Alfalah

Last Name
Anugara

Email Address
alfalah190299@gmail.com

Age
21

Proficiency
Beginner Dev

Gender
☒ Male ☐ Female

☐ Save Details

Message
Halo

Submit

Console

What's New

Highlights from the Chrome 80 update

Support for let and class redeclarations
When experimenting with new code in the Console, repeating let or class declarations no longer causes errors.

Improved WebAssembly debugging
The Sources panel has increased support for stepping over code, setting breakpoints, and resolving stack traces in source languages.