

TUGAS PERORANGAN/INDIVIDU

Disusun sebagai

Laporan Praktikum Redux Hoc

oleh :

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TI – 3A / 17



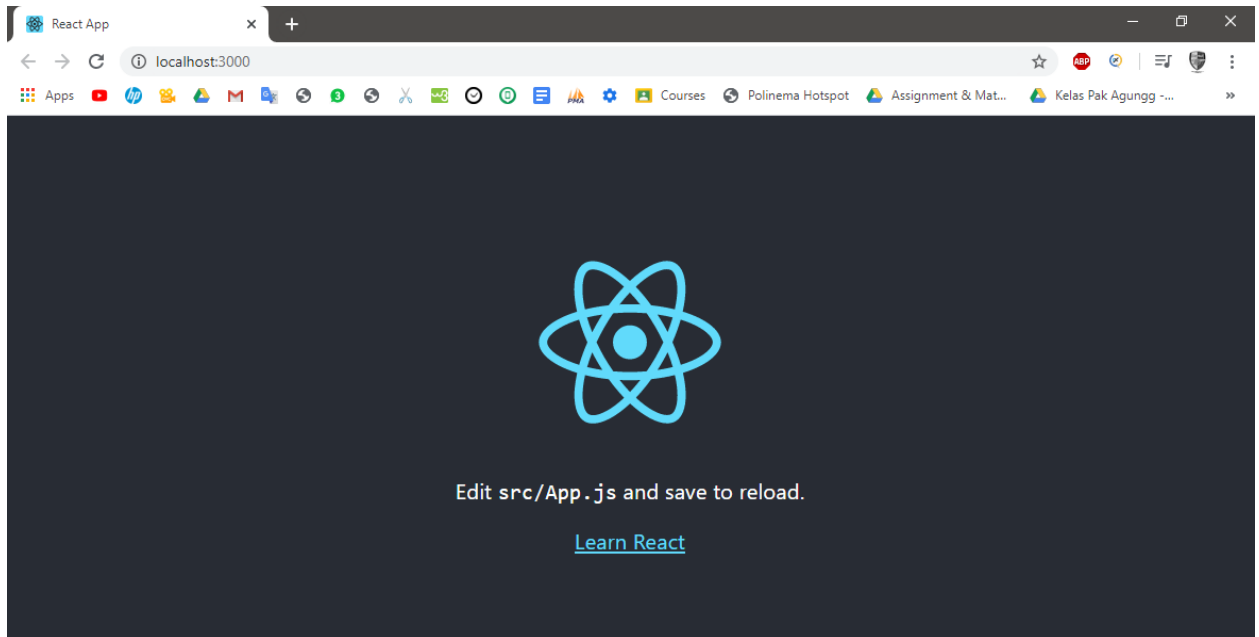
PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

Laporan Praktikum

1. Buat dan install redux



2. Install Form

```
PS E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux> npm install --save redux react-redux redux-form
npm WARN deprecated mkdirp@0.5.3: 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.)
npm WARN deprecated left-pad@1.3.0: use String.prototype.padStart()
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
npm WARN deprecated core-js@2.6.11: core-js@<3 is no longer maintained and not recommended for usage due to the number of issues. Please, upgrade your dependencies to the actual version of core-js@3.
npm WARN rm not removing E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\.bin\jest.cmd as it wasn't installed by E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\jest
npm WARN rm not removing E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\.bin\jest as it wasn't installed by E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\jest
npm WARN rm not removing E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\rimraf.cmd as it wasn't installed by E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\rimraf
npm WARN rm not removing E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\rimraf as it wasn't installed by E:\KULIAH\Semester 6\Pemograman Framework\W8\contact-redux\node_modules\rimraf
```

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

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

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

```
Run Terminal Help App.js - contact-redux - Visual Studio Code
App.js X
src > JS App.js > SignInForm
You, a few seconds ago | 1 author (You)
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        </div>
38      </div>
39    </div>
40
41    <button type="submit">Sign In</button>
42  </form>
43
44  </div>
45
46  </div>
47
48  </div>
49
50  </div>
51
52  </div>
53
54  </div>
55
56  </div>
57
58  </div>
59
60  </div>
61
62  </div>
63
64  </div>
65
66  </div>
67
68  </div>
69
70  </div>
71
72  </div>
73
74  </div>
75
76  </div>
77
78  </div>
79
80  </div>
81
82  </div>
83
84  </div>
85
86  </div>
87
88  </div>
89
90  </div>
91
92  </div>
93
94  </div>
95
96  </div>
97
98  </div>
99
100 </div>
```

```

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">
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 |   if (!val.email) {
98 |     console.log('email is required');
99 |     errors.email = 'Required';
100 |   } else if (!/^\s*[\w-\.]+\@([\w-]+\.)+[a-zA-Z]{2,4}$/i.test(val.email)) {
101 |     console.log('email is invalid');
102 |     errors.email = 'Invalid email address';
103 |   }
104 |   if (!val.age) {
105 |     errors.age = 'Required';
106 |   } else if (isNaN(Number(val.age))) {
107 |     errors.age = 'Must be a number';
108 |   } else if (Number(val.age) < 18) {
109 |     errors.age = 'Sorry, you must be at least 18 years old';
110 |   }
111 |   return errors;

```

```

111   });
112
113   const renderField = ({ input, label, type, meta: { touched, error, warning } }) => {
114     <div>
115       <div className="control">
116         <label className="field">{label}</label>
117         <input className="input" {...input} placeholder={label} type={type}/>
118         {touched && ((error && <span>{error}</span>) || (warning && <span>{warning}</span>))}
119       </div>
120     </div>
121   }
122
123   SignInForm = reduxForm({
124     form: 'signIn',
125     validate, })(SignInForm);
126
127   You, a few seconds ago | 1 author (You)
128   class App extends Component {
129     handleSignIn = values => {
130       console.log(values);
131     };
132
133     render() {
134       return (
135         <div className="App">
136           <header className="App-header">
137             <img src={logo} className="App-logo" alt="logo" />
138             <h1 className="App-title">Welcome to React x redux-form</h1>
139           </header>
140           <div className="container">
141             <p className="App-intro">
142               Contact Form
143             </p>
144             <SignInForm onSubmit={this.handleSignIn} />
145           </div>
146         </div>
147       );
148     }
149   }
150
151   export default App;

```

5. Ubah file /src/index.js

```

JS index.js  X
src > JS index.js > ...
  You, a few seconds ago | 1 author (You)
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  const rootReducer = combineReducers({
10   |   form: formReducer
11   | });
12  const store = createStore(rootReducer);
13  ReactDOM.render(
14   |   <Provider store={store}>
15   |     <App />
16   |   </Provider>,
17   |   document.getElementById("root")
18   | );
19  registerServiceWorker();
20

```

6. Running hasilnya dan buatlah laporan

