

TUGAS PERORANGAN/INDIVIDU

LAPORAN TUGAS MINGGU 8

Disusun sebagai

MATA KULIAH : PEMROGRAMAN BERBASIS FRAMEWORK

Oleh :

Izmir Ta'is Khasna Lugazi

1741720180

Kelas :

3B



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

1. Install beberapa komponen redux, dengan perintah code dibawah ini :

"npx create-react-app contact-redux"

```
PS D:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan> npx create-react-app contact-redux
Creating a new React app in D:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan\contact-redux.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...
[.....] - fetchMetadata: still resolveWithNewModule error-ex@1.3.2 checking installable status
```

Tunggu sampai selesai

Setelah menginstall contact-redux, selanjutnya ketikan code dibawah ini :

"npm install -g create-react-app"

```
PS D:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan> 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\Izmir\AppData\Roaming\npm\create-react-app -> C:\Users\Izmir\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 8 packages in 25.4s
```

2. Buatlah folder baru dengan nama folder contact-redux :

"create-react-app contact-redux"

```
PS D:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan> npx create-react-app contact-redux
Creating a new React app in D:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan\contact-redux.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...
```

dan jalankan program

"npm start"

```
Compiled successfully!

You can now view contact-redux in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.108.1:3000

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

3. Install Form dengan code dibawah :

"npm install --save redux react-redux redux-form"

```
PS D:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan\contact-redux> npm i:\KULIAH\SEMESTER6\Pemrograman-Framework\Minggu-Kedelapan\contact-redux>
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-dev || >= 3.6.0-beta
```

4. Ubah file index.html pada folder /public/index.html menjadi seperti dibawah ini :

```
index.html X
contact-redux > public > index.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     <link rel="manifest" href="%PUBLIC_URL%/manifest.json">
8     <link rel="shortcut icon" href="%PUBLIC_URL%/favicon.ico">
9     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bulma/0.6.2/css/bulma.min.css">
10    <title>React App</title>
11  </head>
12  <body>
13    <noscript>
14      You need to enable JavaScript to run this app.
15    </noscript>
16    <div id="root"></div>
17  </body>
18 </html>
19
```

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

```
contact-redux > src > JS App.js > [0] default
1 | import React, { Component } from 'react';
2 | import { reduxForm, Field } from 'redux-form';
3 | import logo from './logo.svg';
4 | import './App.css';
```

```
contact-redux > src > JS App.js > [0] default
6 | let SignInForm = props => {
7 |   const { handleSubmit } = props;
8 |   return <form onSubmit={handleSubmit} className="form">
9 |     <div className="field">
10 |       <div className="control">
11 |         <Field name="firstName" component={renderField} type="text" label="First Name"/>
12 |       </div>
13 |     </div>
14 |     <div className="field">
15 |       <div className="control">
16 |         <Field name="lastName" component={renderField} type="text" label="Last Name"/>
17 |       </div>
18 |     </div>
19 |     <div className="field">
20 |       <div className="control">
21 |         <Field name="email" component={renderField} type="email" label="Email Address"/>
22 |       </div>
23 |     </div>
24 |     <div className="field">
25 |       <div className="control">
26 |         <Field name="age" component={renderField} type="number" label="Age"/>
27 |       </div>
28 |     </div>
29 |     <div className="field">
30 |       <div className="control">
31 |         <label className="label">Proficiency</label>
32 |         <div className="select">
33 |           <Field className="input" name="proficiency" component="select">
34 |             <option />
35 |             <option value="beginner">Beginner Dev</option>
36 |             <option value="intermediate">Intermediate Dev</option>
37 |             <option value="expert">Expert Dev</option>
38 |           </Field>
39 |         </div>
40 |       </div>
41 |     </div>
```

```
contact-redux > src > JS App.js > [0] default
42 |     <div className="field">
43 |       <div className="control">
44 |         <label className="label">Gender</label>
45 |         <label className="radio">
46 |           <Field name="gender" component="input" type="radio" value="male" />
47 |           { ' ' }
48 |           Male
49 |         </label>
50 |         <label className="radio">
51 |           <Field name="gender" component="input" type="radio" value="female" />
52 |           { ' ' }
53 |           Female
54 |         </label>
55 |       </div>
56 |     </div>
57 |     <div className="field">
58 |       <div className="control">
59 |         <label className="checkbox">
60 |           <Field name="saveDetails" id="saveDetails" component="input" type="checkbox"/>
61 |           Save Details
62 |         </label>
63 |       </div>
64 |     </div>
65 |     <div className="field">
66 |       <div className="control">
67 |         <label className="label">Message</label>
68 |         <Field className="textarea" name="message" component="textarea" />
69 |       </div>
70 |     </div>
71 |     <div className="field">
72 |       <div className="control">
73 |         <button className="button is-link">Submit</button>
74 |       </div>
75 |     </div>
76 |   </form>;
77 | }
```

```

contact-redux > src > JS App.js > [0] default
79 const validate = val => {
80   const errors = {};
81   if (val.firstName) {
82     console.log('First Name is required');
83     errors.firstName = 'Required';
84   }
85
86   if (val.lastName) {
87     console.log('Last Name is required');
88     errors.lastName = 'Required';
89   }
90
91   if (val.email) {
92     console.log('email is required');
93     errors.email = 'Required';
94   }
95
96   else if (/^/.+$/i.test(val.email)) {
97     console.log('email is invalid');
98     errors.email = 'Invalid email address';
99   }
100
101   if (val.age) {
102     errors.age = 'Required'
103   }
104
105   else if (isNaN(Number(val.age))) {
106     errors.age = 'Must be a number'
107   }
108
109   else if (Number(val.age) < 18) {
110     errors.age = 'Sorry, you must be at least 18 years old'
111   }
112
113   return errors;
114 };

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

```

6. Ubah file /src/index.js

```

contact-redux > src > JS index.js > ...
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 * as serviceWorker from './serviceWorker.js';
9
10 const rootReducer = combineReducers({
11   form: formReducer,
12 });
13
14 const store = createStore(rootReducer);
15
16 ReactDOM.render(
17   <Provider store={store}>
18     <App />
19   </Provider>, document.getElementById('root')
20 );
21
22 serviceWorker.register();

```

7. Jalankan program dan hasil seperti gambar dibawah

The image displays two screenshots of a web browser window showing a 'Contact Form' application running on localhost:3000. The browser's address bar shows 'localhost:3000' and the page title is 'Contact Form'.

Top Screenshot (Initial State): The form contains empty input fields for 'First Name', 'Last Name', 'Email Address', and 'Age'. The 'Proficiency' dropdown menu is set to a default value. The 'Gender' section has radio buttons for 'Male' and 'Female', with 'Male' selected. A checkbox for 'Save Details' is unchecked. The 'Message' text area is empty. A blue 'Submit' button is at the bottom.

Bottom Screenshot (After Submission): The form fields are now populated with the following data: 'First Name' is 'Izmir', 'Last Name' is 'Tais', 'Email Address' is 'izmirtais28@gmail.com', and 'Age' is '21'. The 'Proficiency' dropdown menu is set to 'Beginner Dev'. The 'Gender' section has radio buttons for 'Male' and 'Female', with 'Female' selected. The 'Save Details' checkbox is now checked. The 'Message' text area contains the text 'Modul Frameworks'. The blue 'Submit' button remains at the bottom.

Ketika button Submit ditekan

