

Pemrograman Berbasis Framework

"Redux & Hoc"



Oleh :

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

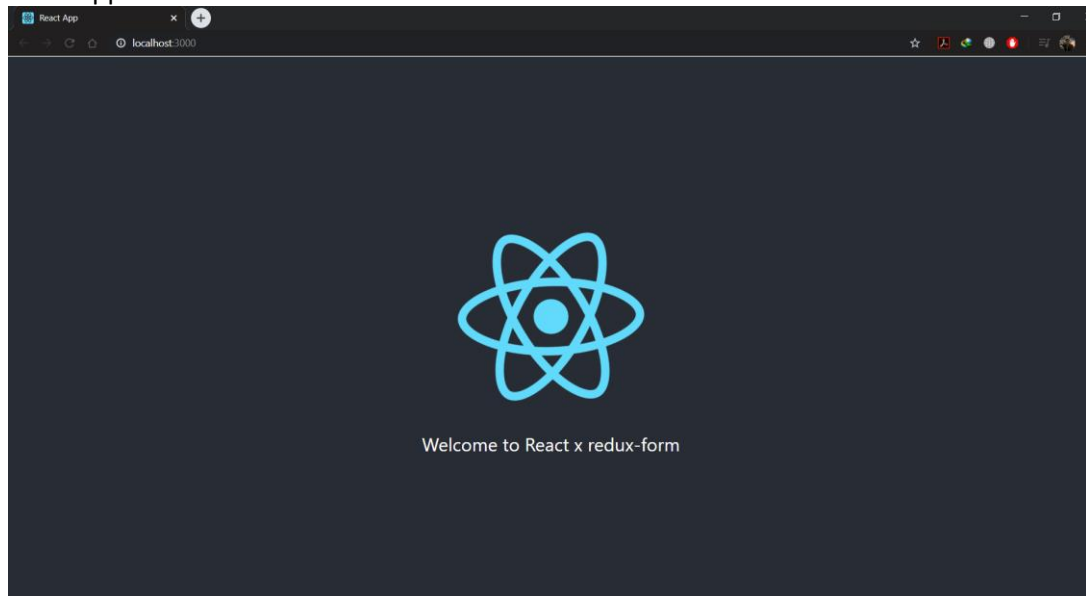
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REDUX & HOC

- 1.) Setelah melakukan instalasi `npx create-react-app contact-redux` & `npm install -g create-react-app`



- 2.) `npm install --save redux react-redux redux-form` memudahkan kita berinteraksi antar komponen dengan redux pada reactjs
- 3.) Syntax pada `index.html`

```
index.html X JS App.js JS index.js
pertemuan-kedelapan > contact-redux > public > index.html > html > body > noscript
1 <!DOCTYPE html>
2 <html lang="en">
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   <link rel="manifest" href="%PUBLIC_URL%/manifest.json">
9   <link rel="shortcut icon" href="%PUBLIC_URL%/favicon.ico">
10  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.6.2/css/bulma.min.css">
11  <title>React App</title>
12 </head>
13
14 <body>
15   <noscript>
16     You need to enable JavaScript to run this app.
17   </noscript>
18   <div id="root"></div>
19 </body>
20
21 </html>
```

Outputnya tampilan awal pada saat kita `npm start`

4.) Syntax pada App.js pada folder /src/App.js

```
index.html JS App.js X JS index.js
pertemuan-kedelapan > contact-redux > src > JS App.js > [0] SignInForm
1 import React, { Component } from "react";
2 import { reduxForm, Field } from "redux-form";
3 import logo from "../logo.svg";
4 import "../App.css";
5
6 let SignInForm = props => {
7   const { handleSubmit } = props;
8   return (
9     <form onSubmit={handleSubmit} className="form">
10       <div className="field">
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         <div className="control">
22           <Field
23             name="lastName"
24             component={renderField}
25             type="text"
26             label="Last Name"
27           />
28         </div>
29       </div>
30       <div className="field">
31         <div className="control">
32           <Field
33             name="email"
34             component={renderField}
35             type="email"
36             label="Email Address"
37           />
38         </div>
39       </div>

```

```
index.html JS App.js X JS index.js
pertemuan-kedelapan > contact-redux > src > JS App.js > [0] SignInForm
40 <div className="field">
41   <div className="control">
42     <Field name="age" component={renderField} type="number" label="Age" />
43   </div>
44 </div>
45 <div className="field">
46   <div className="control">
47     <label className="label">Proficiency</label>
48     <div className="select">
49       <Field className="input" name="proficiency" component="select">
50         <option />
51         <option value="beginner">Beginner Dev</option>
52         <option value="intermediate">Intermediate Dev</option>
53         <option value="expert">Expert Dev</option>
54       </Field>
55     </div>
56   </div>
57 </div>
58 <div className="field">
59   <div className="control">
60     <label className="label">Gender</label>
61     <div className="radio">
62       <Field name="gender" component="input" type="radio" value="male" />{" "}
63       Male
64     </div>
65     <div className="radio">
66       <Field
67         name="gender"
68         component="input"
69         type="radio"
70         value="female"
71       />{" "}
72       Female
73     </div>
74   </div>
75 </div>
```

```

index.html JS App.js X JS index.js
pertemuan-kedelapan > contact-redux > src > JS App.js > [0] SignInForm

76     <div className="field">
77       <div className="control">
78         <label className="checkbox">
79           <Field
80             name="saveDetails"
81             id="saveDetails"
82             component="input"
83             type="checkbox"
84           />
85           Save Details
86         </label>
87       </div>
88     </div>
89     <div className="field">
90       <div className="control">
91         <label className="label">Message</label>
92         <Field className="textarea" name="message" component="textarea" />
93       </div>
94     </div>
95     <div className="field">
96       <div className="control">
97         <button className="button is-link">Submit</button>
98       </div>
99     </div>
100   </form>
101 );
102 };
103 const validate = val => {
104   const errors = {};
105   if (!val.firstName) {
106     console.log("First Name is required");
107     errors.firstName = "Required";
108   }
109   if (!val.lastName) {
110     console.log("Last Name is required");
111     errors.lastName = "Required";
112   }
113   if (!val.email) {
114     console.log("email is required");
115     errors.email = "Required";
116   } else if (!/^.+@.+$/.test(val.email)) {
117     console.log("email is invalid");
118     errors.email = "Invalid email address";
119   }

```

```

index.html JS App.js X JS index.js
pertemuan-kedelapan > contact-redux > src > JS App.js > [0] SignInForm

120   if (!val.age) {
121     errors.age = "Required";
122   } else if (isNaN(Number(val.age))) {
123     errors.age = "Must be a number";
124   } else if (Number(val.age) < 18) {
125     errors.age = "Sorry, you must be at least 18 years old";
126   }
127   return errors;
128 };
129 const renderField = ({
130   input,
131   label,
132   type,
133   meta: { touched, error, warning }
134 }) => (
135   <div>
136     <div className="control">
137       <label className="field">{label}</label>
138       <input className="input" {...input} placeholder={label} type={type} />
139       {touched &&
140         ((error && <span>{error}</span>) ||
141          (warning && <span>{warning}</span>))}
142     </div>
143   </div>
144 );
145 SignInForm = reduxForm({
146   form: "signIn",
147   validate
148 })(SignInForm);

```

```
index.html JS App.js X JS index.js
pertemuan-kedelapan > contact-redux > src > JS App.js > [0] SignInForm

150 class App extends Component {
151   handleSignIn = values => {
152     console.log(values);
153   };
154   render() {
155     return (
156       <div className="App">
157         <header className="App-header">
158           <img src={logo} className="App-logo" alt="logo" />
159           <h1 className="App-title">Welcome to React x redux-form</h1>
160         </header>
161         <div className="container">
162           <h2>
163             <p className="App-intro">Contact Form</p>
164           </h2>
165           <SignInForm onSubmit={this.handleSignIn} />
166         </div>
167       </div>
168     );
169   }
170 }
171 export default App;
```

5.) Syntax pada file /src/index.js

```
index.html JS App.js JS index.js X
pertemuan-kedelapan > 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";
9
10 const rootReducer = combineReducers({
11   form: formReducer
12 });
13 const store = createStore(rootReducer);
14 ReactDOM.render(
15   <Provider store={store}>
16     <App />
17   </Provider>,
18   document.getElementById("root")
19 );
20
21 // If you want your app to work offline and load faster, you can change
22 // unregister() to register() below. Note this comes with some pitfalls.
23 // Learn more about service workers: https://bit.ly/CRA-PWA
24 serviceWorker.unregister();
25
```

6.) Hasil output setelah di running

React App
localhost:3000

Contact Form

First Name
First Name

Last Name
Last Name

Email Address
Email Address

Age
Age

Proficiency
▼

Gender
☐ Male ☐ Female

☐ Save Details

Message

Submit

React App
localhost:3000

Contact Form

First Name
Angga Maulana

Last Name
Athaariq

Email Address
aang.guns@yahoo.com

Age
20

Proficiency
Intermediate Dev ▼

Gender
☒ Male ☐ Female

☒ Save Details

Message
Tugas PBF Pertemuan 8 Redux & Hoc

Submit

Setelah kita tekan tombol submit, buka console log maka hasil output yang kita inputkan akan keluar di console tersebut.

```
email is required
email is invalid
{firstName: "Angga Maulana ", lastName: "Athaariq", email: "aang.guns@yahoo.com", age: "20", proficiency: "intermediate", ...}
```

Hasil dari inputan yang sudah kita masukkan