

TUGAS INDIVIDU

MODUL 7 REDUX DAN HOC

**Disusun sebagai
MATA KULIAH : PEMROGRAMAN BERBASIS FRAMEWORK**

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

A. Praktikum

1. Buat dan install redux
2. Install form
3. Ubah file index.html pada folder /public/index.html

```
index.html x JS App.js JS index.js
public > index.html > html > head > meta
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
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://cdn.jsdelivr.net/npm/bulma@0.6.2/css/bulma.min.css">
12  <title>React App</title>
13 </head>
14
15 <body>
16   <noscript>
17     You need to enable JavaScript to run this app.
18   </noscript>
19   <div id="root"></div>
20 </body>
21 </html>
```

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

```
src > JS App.js > App > render
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 <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     <div className="field">
14       <div className="control">
15         <Field name="lastName" component={renderField} type="text" label="Last Name" />
16       </div>
17     </div>
18     <div className="field">
19       <div className="control">
20         <Field name="email" component={renderField} type="email" label="Email Address" />
21       </div>
22     </div>
23     <div className="field">
24       <div className="control">
25         <Field name="age" component={renderField} type="number" label="Age" />
26       </div>
27     </div>
```

```
index.html JS App.js X JS index.js
src > JS App.js > App > render
25 |       <Field name="age" component={renderField} type="number" label="Age" />
26 |     </div>
27 |   </div>
28 |   <div className="field">
29 |     <div className="control">
30 |       <label className="label">Proficiency</label>
31 |       <div className="select">
32 |         <Field className="input" name="proficiency" component="select">
33 |           <option />
34 |           <option value="beginner">Beginner Dev</option>
35 |           <option value="intermediate">Intermediate Dev</option>
36 |           <option value="expert">Expert Dev</option>
37 |         </Field>
38 |       </div>
39 |     </div>
40 |   </div>
41 |   <div className="field">
42 |     <div className="control">
43 |       <label className="label">Gender</label>
44 |       <label className="radio">
45 |         <Field name="gender" component="input" type="radio" value="male" />
46 |         {' '}
47 |         Male
48 |       </label>
49 |       <label className="radio">
50 |         <Field name="gender" component="input" type="radio" value="female" />
51 |         {' '}
```

```
index.html JS App.js X JS index.js
src > JS App.js > App > render
65     <div className="control">
66       <label className="label">Message</label>
67       <Field className="textarea" name="message" component="textarea" />
68     </div>
69   </div>
70   <div className="field">
71     <div className="control">
72       <button className="button is-link">Submit</button>
73     </div>
74   </div>
75 </form>;
76 };
77 const validate = val => {
78   const errors = {};
79   if (!val.firstName) {
80     console.log('First Name is required');
81     errors.firstName = 'Required';
82   }
83   if (!val.lastName) {
84     console.log('Last Name is required');
85     errors.lastName = 'Required';
86   }
87   if (!val.email) {
88     console.log('email is required');
89     errors.email = 'Required';
90   } else if (!/^.+@.+$/.test(val.email)) {
91     console.log('email is invalid');
```

```
index.html JS App.js X JS index.js
src > JS App.js > App > render
91     console.log('email is invalid');
92     errors.email = 'Invalid email address';
93   }
94   if (!val.age) {
95     errors.age = 'Required'
96   } else if (isNaN(Number(val.age))) {
97     errors.age = 'Must be a number'
98   } else if (Number(val.age) < 18) {
99     errors.age = 'Sorry, you must be at least 18 years old'
100   }
101   return errors;
102 };
103 const renderField = ({ input, label, type, meta: { touched, error, warning } }) => (
104   <div>
105     <div className="control">
106       <label className="field">{label}</label>
107       <input className="input" {...input} placeholder={label} type={type} />
108       {touched && ((error && <span>{error}</span>) || (warning && <span>{warning}</span>))}
109     </div>
110   </div>
111 )
112 SignInForm = reduxForm({
113   form: 'signIn',
114   validate,
115 })(SignInForm);
116 class App extends Component {
117   handleSignIn = values => {
```

index.html JS App.js JS index.js

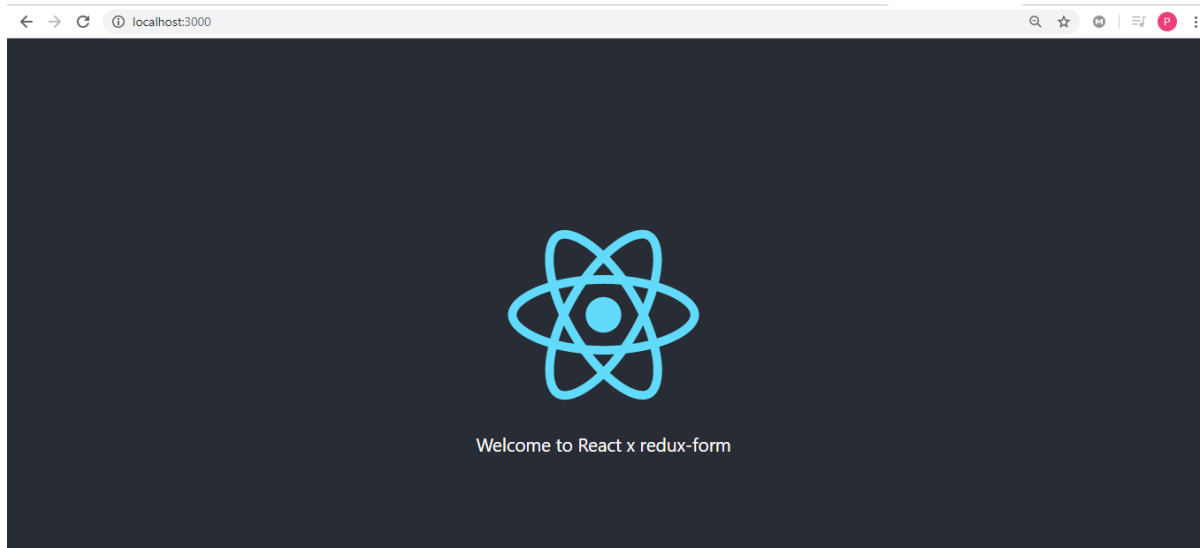
src > JS App.js > App > render

```
115   })(SignInForm);
116   class App extends Component {
117     handleSignIn = values => {
118       console.log(values);
119     };
120     render() {
121       return (
122         <div className="App">
123           <header className="App-header">
124             <img src={logo} className="App-logo" alt="logo" />
125             <h1 className="App-title">Welcome to React x redux-form</h1>
126           </header>
127           <div className="container">
128             <p className="App-intro">
129               Contact Form
130             </p>
131             <SignInForm onSubmit={this.handleSignIn} />
132           </div>
133         </div>
134       );
135     }
136   }
137
138   export default App;
```

5. Ubah file /src/index.js

```
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  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  serviceWorker.register();
```

6. Hasil setelah di run



➤ Kosong

Contact Form

First Name

First Name

Required

Last Name

Last Name

Required

Email Address

Email Address

Required

Age

Age

Required

Proficiency

Gender

☐ Male ☐ Female

☐ Save Details

Message

Submit

➤ Berisikan data

Contact Form

First Name

Padang

Last Name

Basudewa

Email Address

padangbasudewa4@gmail.com

Age

20

Proficiency

Intermediate Dev

Gender

☒ Male ☐ Female

☒ Save Details

Message

Hello World !!

Submit