

# **JOBSHEET PEMROGRAMAN BERBASIS FRAMEWORK HOC**



**Oleh:**

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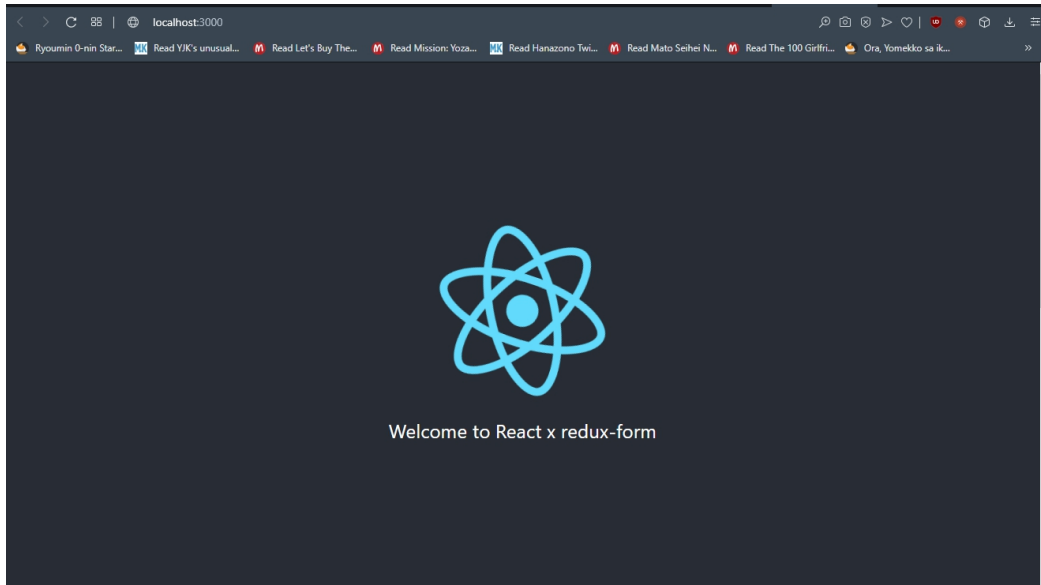
**KELAS : TI-3F/17**

**Program Studi Teknik Informatika  
Jurusan Teknologi Informasi  
Politeknik Negeri Malang  
2021**

## Praktikum :

### 1. Buat dan install redux

```
npx create-react-app contact-redux  
npm install -g create-react-app  
create-react-app contact-redux  
npm start
```



### 2. Install Form

```
npm install --save redux react-redux redux-form
```

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

```
JS App.js  JS index.js  index.html X  
public > index.html > html > body  
  
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   </body>  
20 </html>
```

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

```
JS App.js X JS index.js index.html
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
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>
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
58     <div className="field">
59       <div className="control">
60         <label className="checkbox">
61           <Field name="saveDetails" id="saveDetails" component="input" type="checkbox"/> Save Details
62         </label>
63       </div>
64     </div>
65
66     <div className="field">
67       <div className="control">
68         <label className="label">Message</label>
69         <Field className="textarea" name="message" component="textarea" />
70       </div>
71     </div>
72
```

```
src > JS App.js > App > render
```

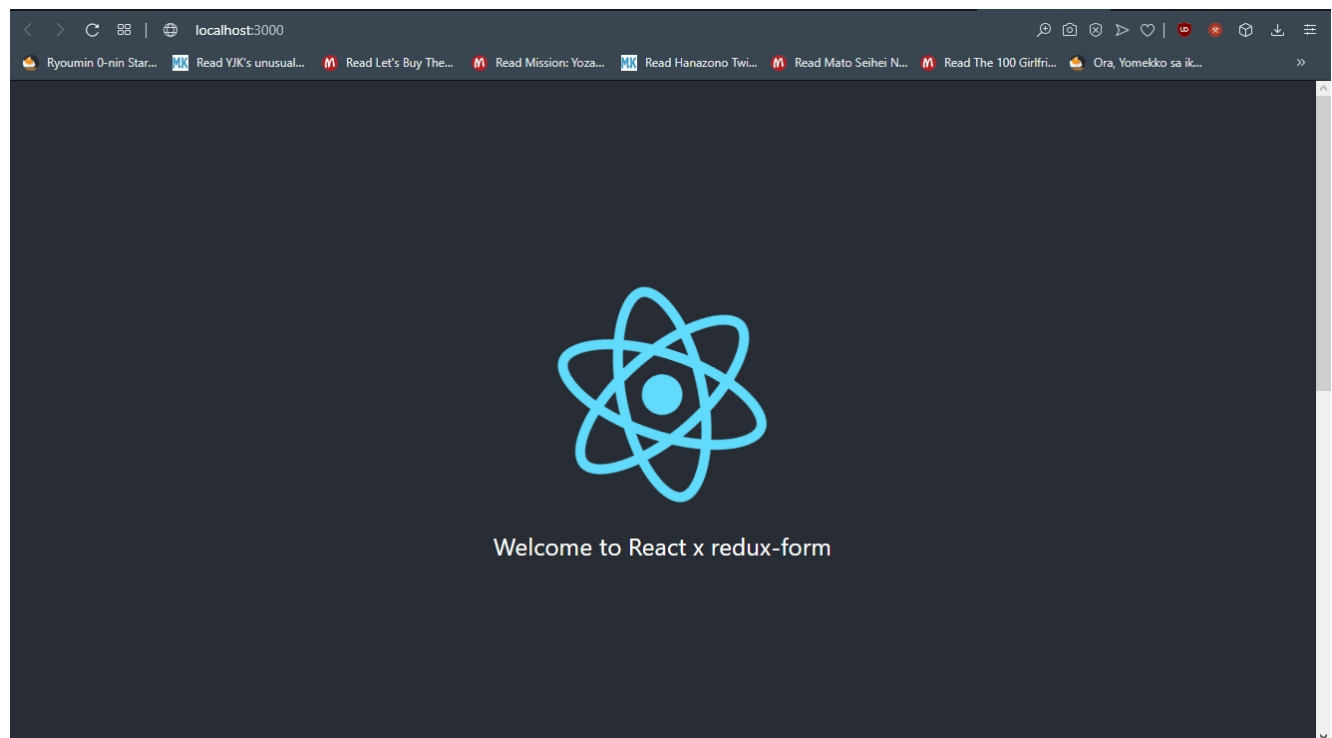
```
73   <div className="field">
74     <div className="control">
75       <button className="button is-link">Submit</button>
76     </div>
77   </div>
78 </form>;
79
80 };
81
82 const validate = val => { const errors = {};
83   if (!val.firstName) {
84     console.log('First Name is required'); errors.firstName = 'Required';
85   }
86   if (!val.lastName) {
87     console.log('Last Name is required'); errors.lastName = 'Required';
88   }
89   if (!val.email) { console.log('email is required'); errors.email = 'Required';
90   } else if (!/^.+@.+$/.test(val.email)) {
91     console.log('email is invalid'); errors.email = 'Invalid email address';
92   }
93   if (!val.age) {
94     errors.age = 'Required'
95   } else if (isNaN(Number(val.age))) {
96     errors.age = 'Must be a number'
97   } else if (Number(val.age) < 18) {
98     errors.age = 'Sorry, you must be at least 18 years old'
99   }
100   return errors;
101 };
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({ form: 'signIn', validate, })(SignInForm);
113
114 class App extends Component {
115   handleSignIn = values => {
116     console.log(values);
117   };
118
119   render() {
120     return (
121       <div className="App">
122         <header className="App-header">
123           <img src={logo} className="App-logo" alt="logo" />
124           <h1 className="App-title">Welcome to React x redux-form</h1>
125         </header>
126         <div className="container">
127           <p className="App-intro"> Contact Form
128         </p>
129         <SignInForm onSubmit={this.handleSignIn} />
130       </div>
131     </div>
132   );
133 }
134 }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
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'; import App from './App';
9  import registerServiceWorker from './registerServiceWorker.js';
10
11  const rootReducer = combineReducers({
12    form: formReducer,
13  });
14
15  const store = createStore(rootReducer);
16
17  ReactDOM.render(
18    <Provider store={store}>
19      <App />
20    </Provider>,
21    document.getElementById('root')
22  );
23  registerServiceWorker();
```

6. Running hasilnya dan buatlah laporan



localhost:3000

Ryoumin O-nin Star...Read YJK's unusual...Read Let's Buy The...Read Mission: Yoza...Read Hanazono Twi...Read Mato Seihei N...Read The 100 Girlfri...Ora, Yomekko sa ik...

First Name

Mirza

Last Name

Rayhan

Email Address

mirzarayhan22@gmail.com

Age

19

Proficiency

Beginner Dev

Gender

☐ Male

☒ Female

☒ Save Details

Message

WAW

Submit