

TUGAS INDIVIDU

## **REDUX DAN HOC**

Disusun sebagai

MATA KULIAH : PEMROGRAMAN BERBASIS FRAMEWORK



Oleh :

REINA TRYCHA DANI

26

TI 3A

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

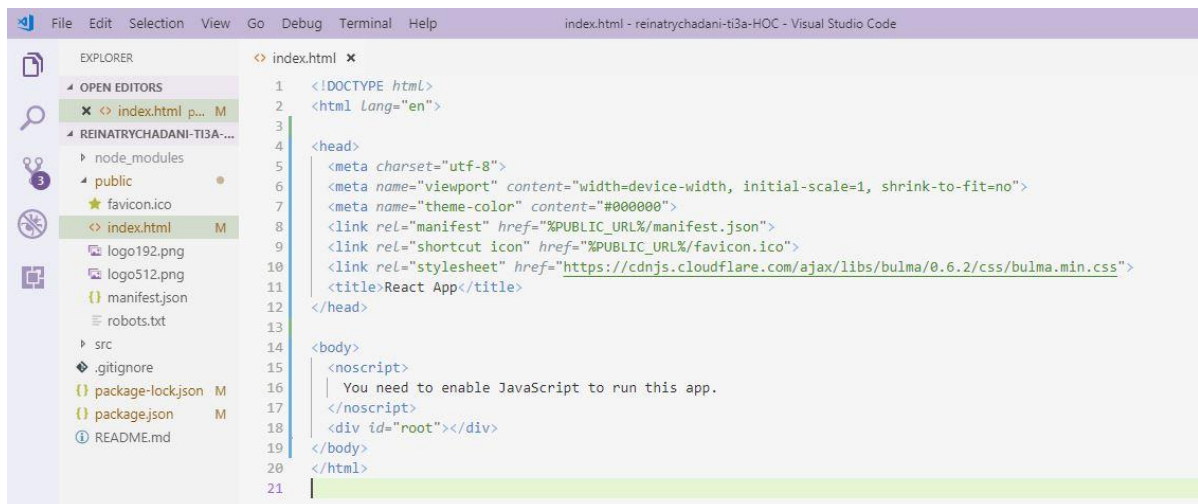
POLITEKNIK NEGERI MALANG

2020

## PRAKTIKUM

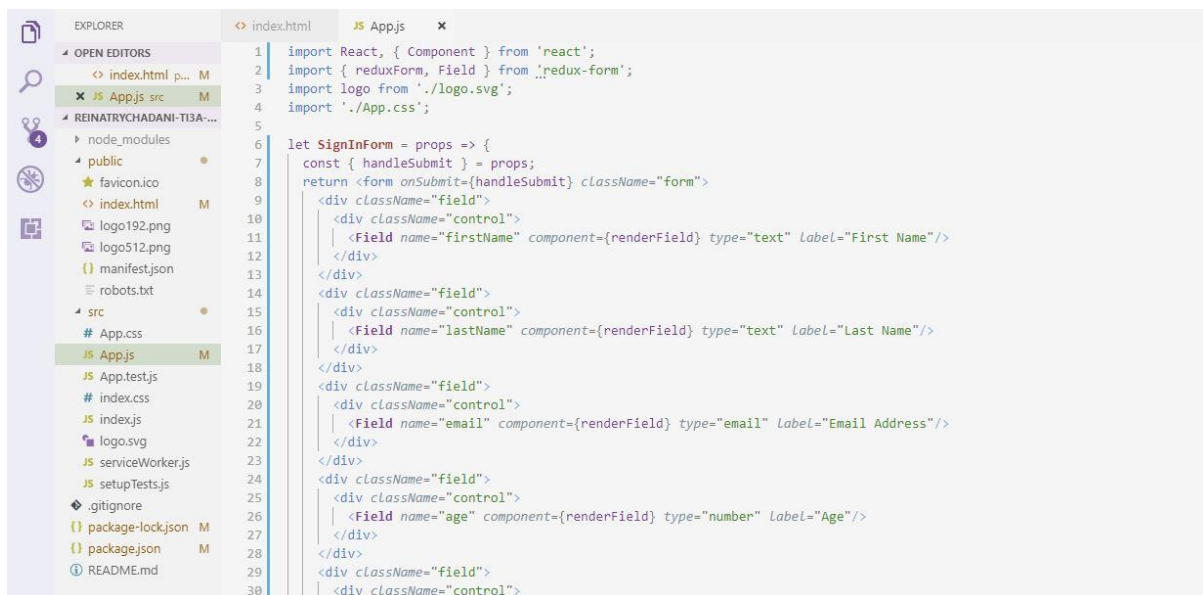
Langkah – langkah :

1. Membuat dan menginstall redux terlebih dahulu
2. Install form dengan kode **'npm install –save redux react-redux redux-form'**
3. Mengubah file **index.html** pada folder **/public/index.html**



```
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://cdnjs.cloudflare.com/ajax/libs/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 </html>
21
```

4. Mengubah file **App.js** pada folder **/src/App.js**



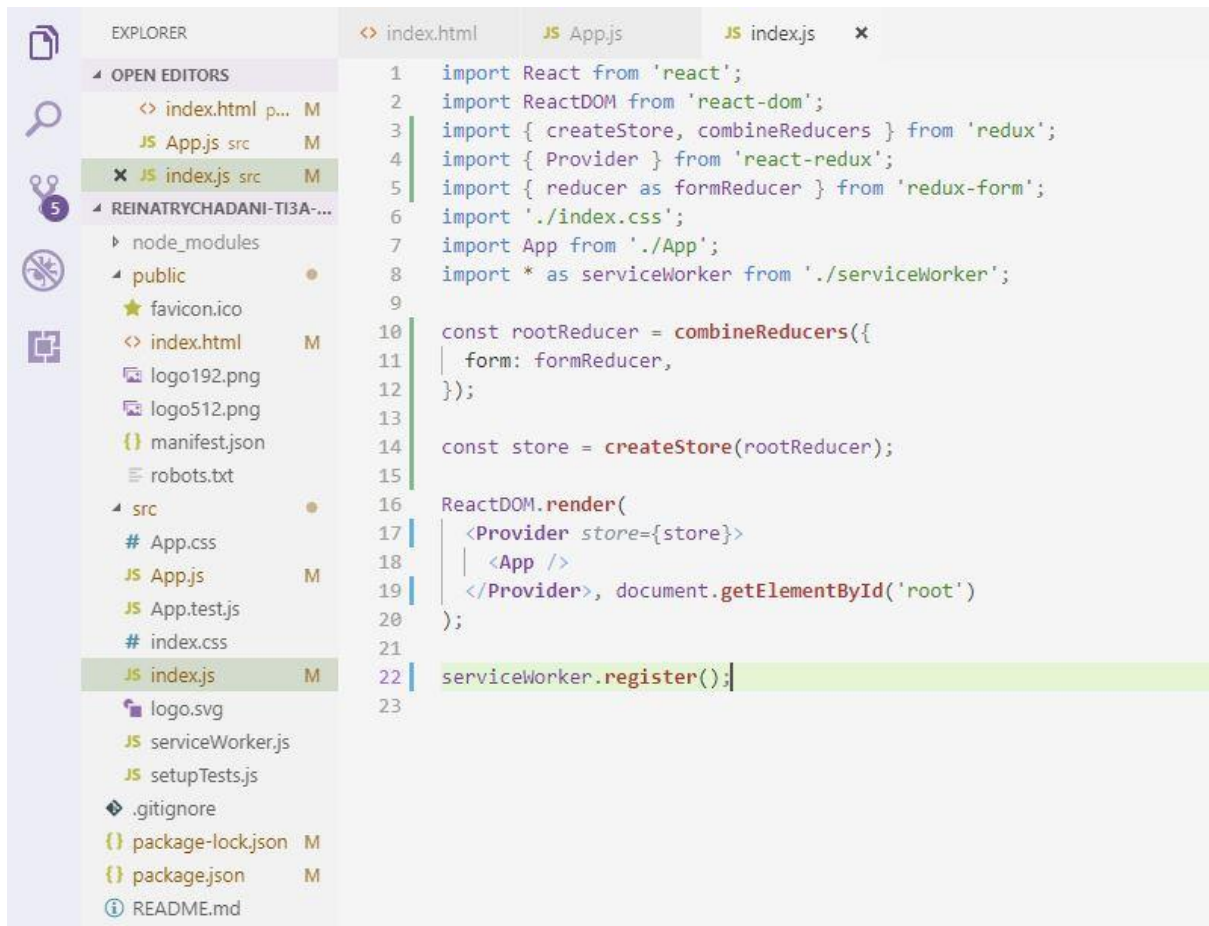
```
1 import React, { Component } from 'react';
2 import { reduxForm, Field } from 'redux-form';
3 import logo from './logo.svg';
4 import './App.css';
5
6 let SignInForm = props => {
7   const { handleSubmit } = props;
8   return <form onSubmit={handleSubmit} className="form">
9     <div className="field">
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">
```



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

```
120 class App extends Component {
121   handleSignIn = values => {
122     console.log(values);
123   };
124   render() {
125     return (
126       <div className="App">
127         <header className="App-header">
128           <img src={logo} className="App-logo" alt="logo" />
129           <h1 className="App-title">Welcome to React x redux-form</h1>
130         </header>
131         <div className="container">
132           <p className="App-intro">
133             Contact Form
134           </p>
135           <SignInForm onSubmit={this.handleSignIn} />
136         </div>
137       </div>
138     );
139   }
140 }
141 export default App;
142
```

## 5. Mengubah file **index.js** pada folder **/src/index.js**

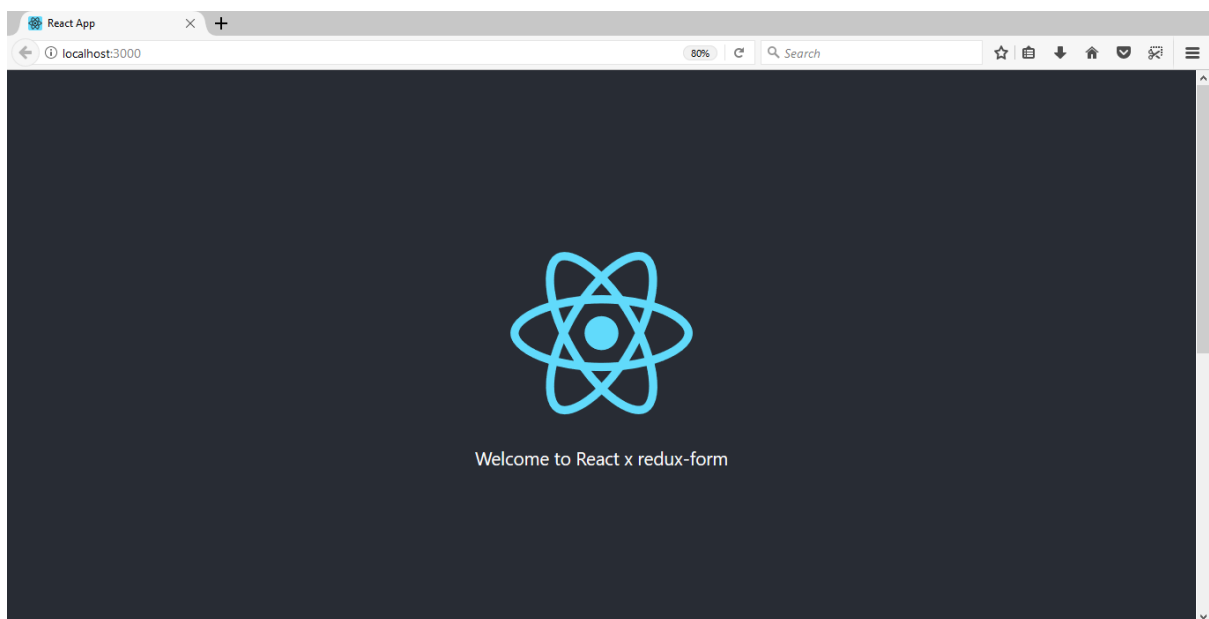


The image shows a VS Code editor window with the Explorer sidebar on the left and the index.js file open in the main editor. The Explorer sidebar shows the project structure with folders like node\_modules, public, and src. The index.js file contains the following code:

```
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
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();
```

## 6. Hasil running

Terdapat tampilan logo react dan form hasil validasi redux form dalam bentuk Higher Order Component



React App

localhost:3000

80%

Search

☆

📁

⬇

🏠

🔒

🔄

☰

Contact Form

First Name

First Name

Last Name

Last Name

Email Address

Email Address

Age

Age

Proficiency

Gender

☐ Male

☐ Female

☐ Save Details

Message

Submit