

TUGAS INDIVIDU
Pemrograman Berbasis Framework
Redux dan HOC

Oleh :

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Kelas : TI 3A



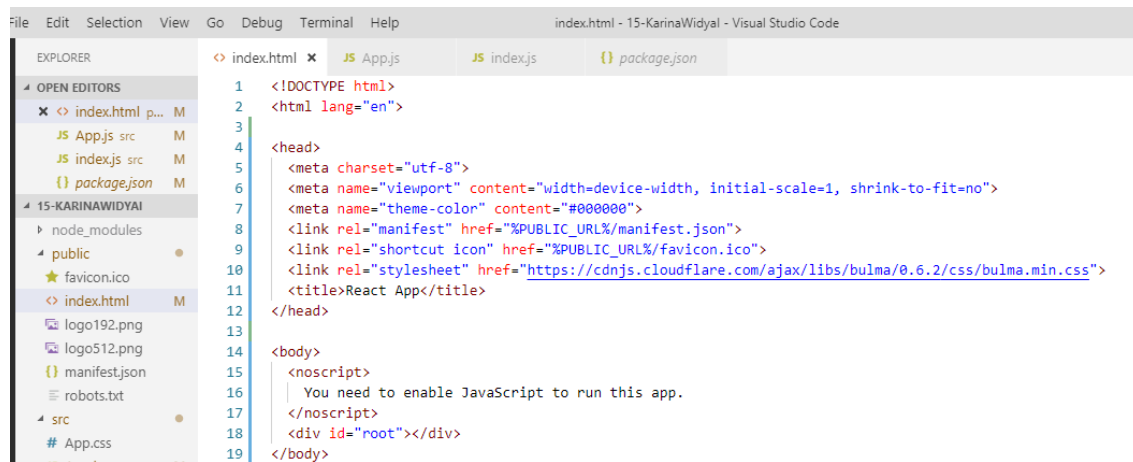
PROGRAM STUDI D-IV TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

2020

Praktikum

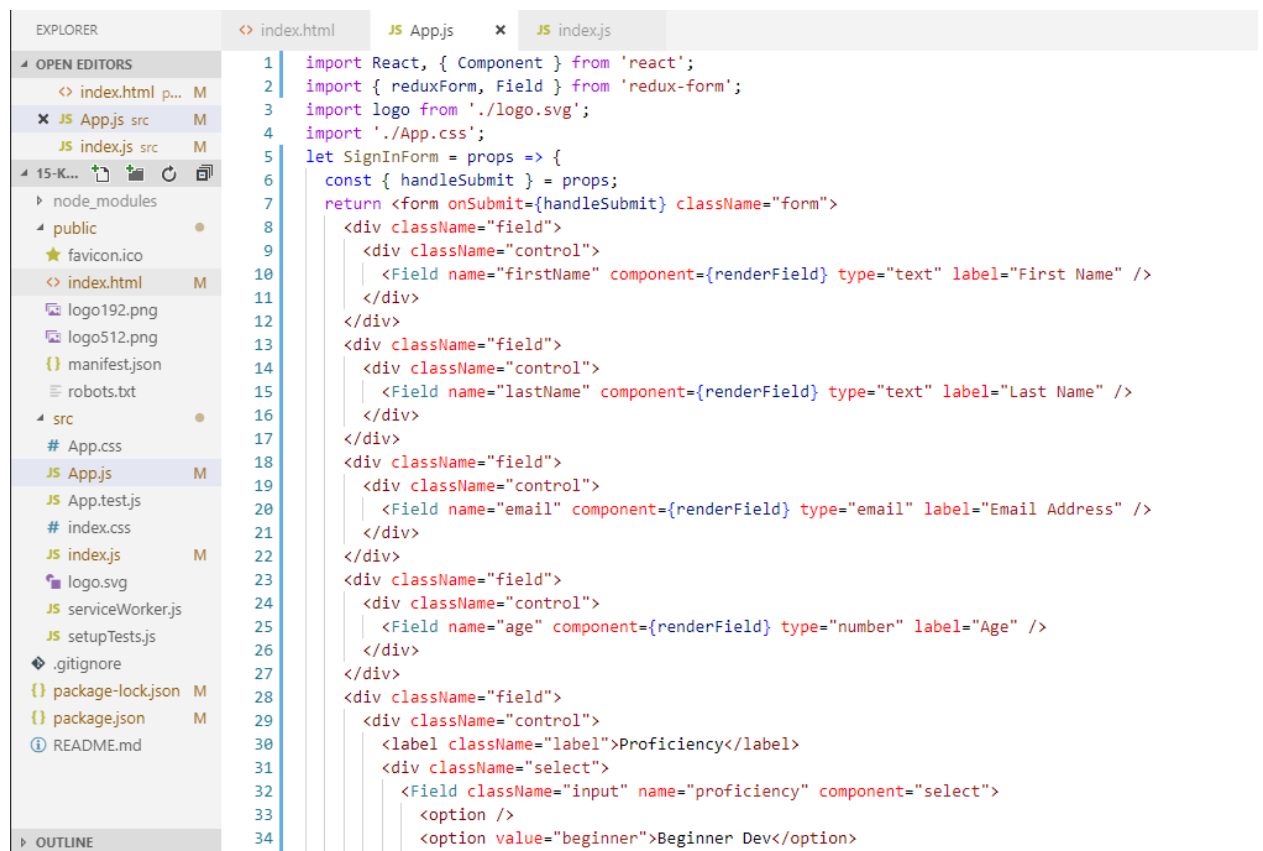
Langkah-Langkah :

1. Buat dan install redux terlebih dahulu
2. Install form dengan kode 'npm install --save redux react-redux redux-form'
3. Ubah file index.html pada folder /public/index.html seperti sebagai berikut :



```
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>
```

4. Ubah file App.js pada folder /src/App.js sebagai berikut :



```
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 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>
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>
```

EXPLORER

index.html

JS App.js

JS index.js

OPEN EDITORS

index.html p...

JS App.js src

JS index.js src

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node_modules

public

favicon.ico

index.html

logo192.png

logo512.png

manifest.json

robots.txt

src

App.css

App.js

App.test.js

index.css

index.js

logo.svg

serviceWorker.js

setupTests.js

.gitignore

package-lock.json

package.json

README.md

OUTLINE

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<option value="intermediate">Intermediate Dev</option>

<option value="expert">Expert Dev</option>

</Field>

</div>

</div>

<div className="field">

<div className="control">

<label className="label">Gender</label>

<label className="radio">

<Field name="gender" component="input" type="radio" value="male" />

{ ' ' }

Male

</label>

<label className="radio">

<Field name="gender" component="input" type="radio" value="female" />

{ ' ' }

Female

</label>

</div>

</div>

<div className="field">

<div className="control">

<label className="checkbox">

<Field name="saveDetails" id="saveDetails" component="input" type="checkbox" />

Save Details

</label>

</div>

</div>

<div className="field">

<div className="control">

<label className="label">Message</label>

<Field className="textarea" name="message" component="textarea" />

</div>

EXPLORER

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OUTLINE

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...

<div className="field">

<div className="control">

<button className="button is-link">Submit</button>

</div>

</div>

</form>;

};

const validate = val => {

const errors = {};

if (!val.firstName) {

console.log('First Name is required');

errors.firstName = 'Required';

}

if (!val.lastName) {

console.log('Last Name is required');

errors.lastName = 'Required';

}

if (!val.email) {

console.log('email is required');

errors.email = 'Required';

else if (!/^.+@.+\$/.test(val.email)) {

console.log('email is invalid');

errors.email = 'Invalid email address';

}

if (!val.age) {

errors.age = 'Required'

else if (isNaN(Number(val.age))) {

errors.age = 'Must be a number'

else if (Number(val.age) < 18) {

errors.age = 'Sorry, you must be at least 18 years old'

}

return errors;

};

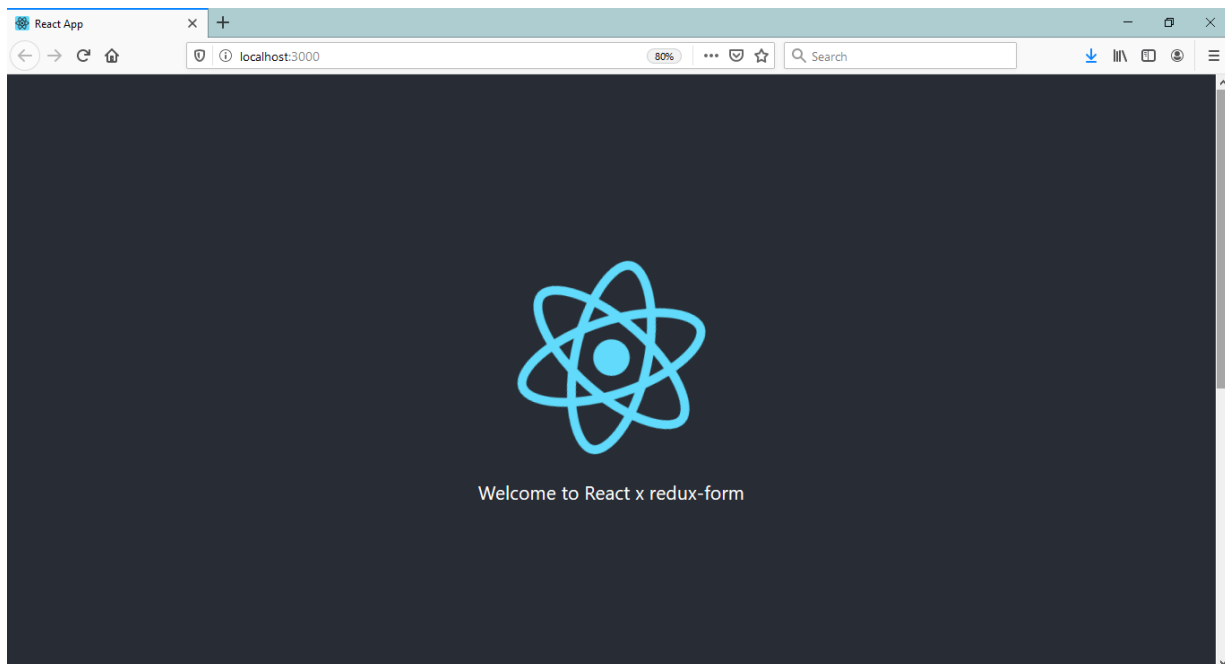
const renderField = ({ input, label, type, meta: { touched, error, warning } }) => (

..

5. Ubah file /src/index.js sebagai berikut :

Hasil running :

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

A screenshot of a web browser window showing a contact form. The browser's address bar shows 'localhost:3000'. The form is titled 'Contact Form' and is set against a dark blue background. The form fields are white with light gray borders. The fields are: 'First Name' (text input), 'Last Name' (text input), 'Email Address' (text input), 'Age' (text input with a small dropdown arrow on the right), 'Proficiency' (dropdown menu), 'Gender' (radio buttons for 'Male' and 'Female'), 'Save Details' (checkbox), and 'Message' (text area). A blue 'Submit' button is located at the bottom left of the form.