

PEMROGRAMAN FRAMEWORK

MODUL 7: HOC

Oleh:

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TI - 3A / 14



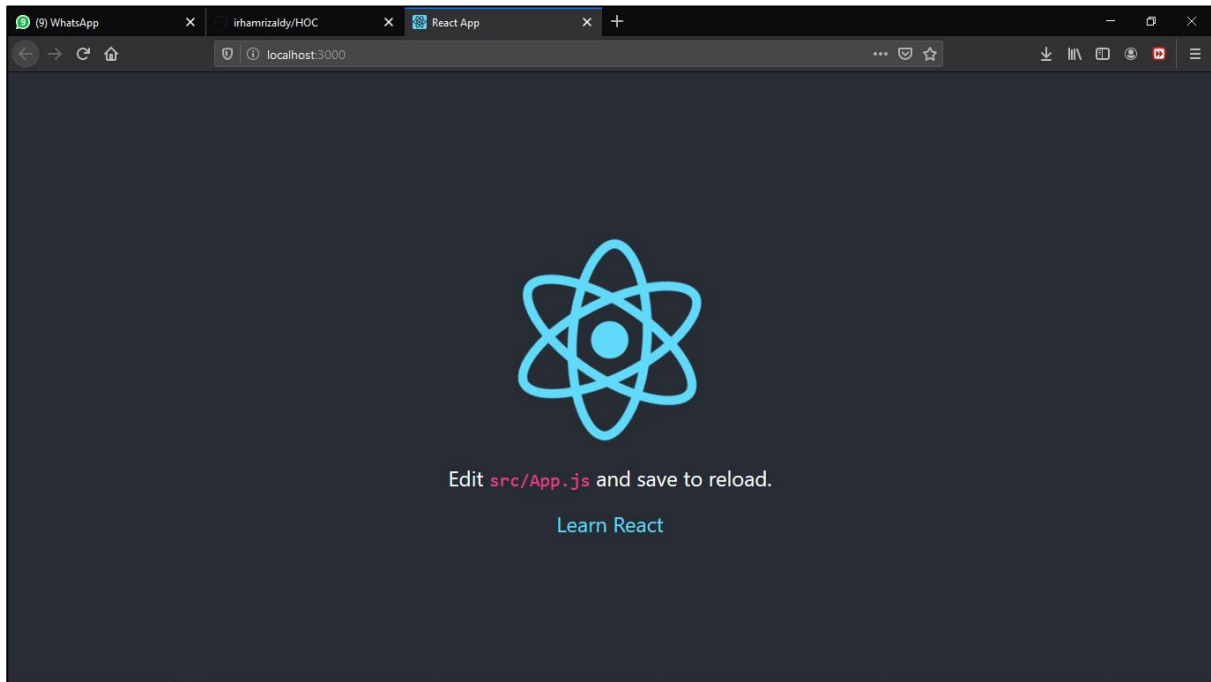
PROGRAM STUDI D4 TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

1. Buat dan install redux
npx create-react-app contact-redux
npm start



2. Install Form
npm install --save redux react-redux redux-form

```
PS E:\Kuliah\Semester 6\Framework\Hoc\contact-redux> npm install --save redux react-redux redux-form
npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN redux-form@8.3.1 requires a peer of immutable@^3.8.2 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ react-redux@7.2.0
+ redux@4.0.5
+ redux-form@8.3.1
added 8 packages from 7 contributors and audited 930121 packages in 52.992s

55 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

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

```
index.html X
public > index.html > 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://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>
```

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

```
import React, { Component } from 'react';
import { reduxForm, Field } from 'redux-form';
import logo from './logo.svg';
import './App.css';

let SignInForm = props => {
  const { handleSubmit } = props;
  return <form onSubmit={handleSubmit} className="form">
    <div className="field">
      <div className="control">
        <Field name="firstName" component={renderField} type="text" label="First Name" />
      </div>
    </div>
    <div className="field">
      <div className="control">
        <Field name="lastName" component={renderField} type="text" label="Last Name" />
      </div>
    </div>
    <div className="field">
      <div className="control">
        <Field name="email" component={renderField} type="email" label="Email Address" />
      </div>
    </div>
    <div className="field">
      <div className="control">
        <Field name="age" component={renderField} type="number" label="Age" />
      </div>
    </div>
    <div className="field">
      <div className="control">
        <label className="label">Proficiency</label>
        <div className="select">
          <Field className="input" name="proficiency" component="select">
            <option />
            <option value="beginner">Beginner Dev</option>
          </Field>
        </div>
      </div>
    </div>
  </form>
```

```

        <option value="intermediate">Intermediate Dev</option>
        <option value="expert">Expert Dev</option>
      </Field>
    </div>
  </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" />
      { ' ' }
    </label>
    Male
  </div>
  <div className="radio">
    <Field name="gender" component="input" type="radio" value="female" />
    { ' ' }
    Female
  </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>

```

```

    </div>
  </div>
  <div className="field">
    <div className="control">
      <label className="label">Message</label>
      <Field className="textarea" name="message" component="textarea" />
    </div>
  </div>
  <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 = 'Invalid age';
  }
}

```

```

    <div>
      <div className="control">
        <label className="field">{label}</label>
        <input className="input" {...input} placeholder={label} type={type} />
        {touched && ((error && <span>{error}</span>) || (warning && <span>{warning}</span>))}
      </div>
    </div>
  )
  SignInForm = reduxForm({
    form: 'signIn',
    validate,
  })(SignInForm);
class App extends Component {
  handleSignIn = values => {
    console.log(values);
  };
  render() {
    return (
      <div className="App">
        <header className="App-header">
          <img src={logo} className="App-logo" alt="logo" />
          <h1 className="App-title">Welcome to React x redux-form</h1>
        </header>
        <div className="container">
          <p className="App-intro">
            Contact Form
          </p>
          <SignInForm onSubmit={this.handleSignIn} />
        </div>
      </div>
    );
  }
}
export default App;

```

5. Ubah file /src/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
14 const store = createStore(rootReducer);
15
16 ReactDOM.render(
17   <Provider store={store}>
18     <App />
19   </Provider>,
20   document.getElementById('root')
21 );
22
23 // If you want your app to work offline and load faster, you can change
24 // unregister() to register() below. Note this comes with some pitfalls.
25 // Learn more about service workers: https://bit.ly/CRA-PWA
26 serviceWorker.register();
27

```

6. Run hasil



localhost:3000

First Name

Last Name

Email Address

Required

Age

Proficiency

Gender

☐ Male ☐ Female

☐ Save Details

Message

Submit

```
Object { firstName: "Irham", lastName: "Rizaldy", email: "irhamrizaldy@email.com", age: "20", proficiency: "beginner", gender: "male", saveDetails: true, message: "Hello HOC!" } App.js:118
```