TUGAS INDIVIDU

LAPORAN MINGGU 8
"HOC"

Disusun sebagai:

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

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TI-3B

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

Praktikum

1. Install **npx create-react-app contact-redux**

```
D:\semester 6\minggu8>npx create-react-app contact-redux

Creating a new React app in D:\semester 6\minggu8\contact-redux.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...
```

Install **npm install -g create-react-app**

```
D:\semester 6\minggu8>npm install -g create-react-app
npm WARN deprecated mkdirp@0.5.4: Legacy versions of mkdirp are no longer supported.
Please update to mkdirp 1.x. (Note that the API surface has changed to use Promises i
n 1.x.)
C:\Users\Inspiron\AppData\Roaming\npm\create-react-app -> C:\Users\Inspiron\AppData\R
oaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 8 packages in 10.631s
```
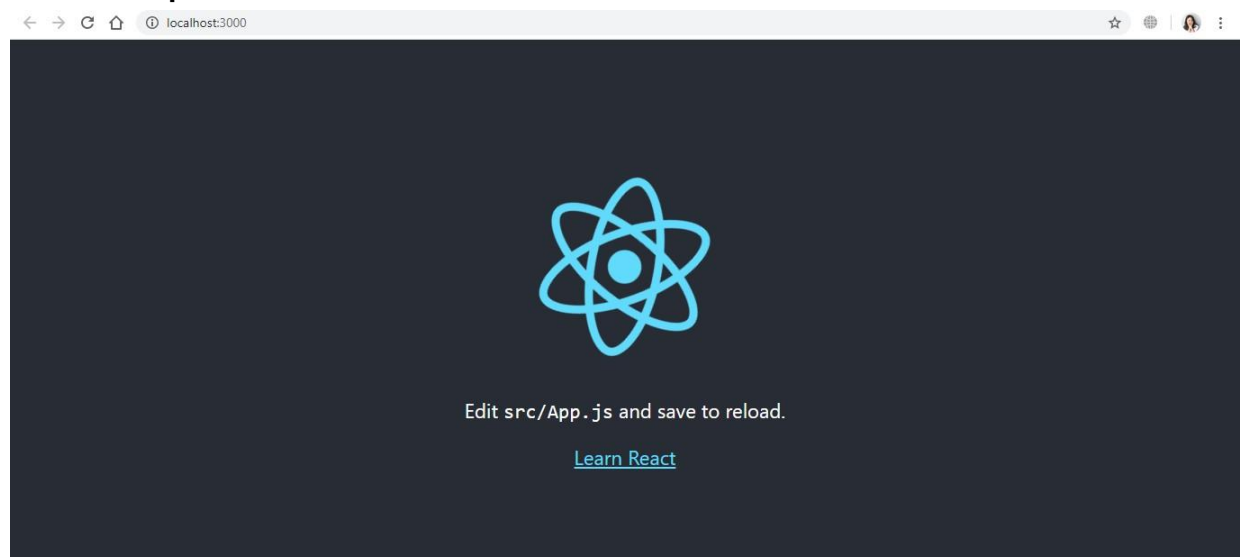
Install **create-react-app contact-redux**

```
D:\semester 6\minggu8>create-react-app contact-redux
The directory contact-redux contains files that could conflict:

  node_modules/
  package-lock.json
  package.json
  public/
  src/

Either try using a new directory name, or remove the files listed above.
```

Kemudian **npm start**

Edit src/App.js and save to reload.

Learn React

2. Install form

```
D:\semester 6\minggu8>npm install --save redux react-redux redux-form
npm WARN rollback Rolling back node-pre-gyp@0.14.0 failed (this is probably harmless)
: EPERM: operation not permitted, scandir 'D:\semester 6\minggu8\node_modules\webpack
-dev-server\node_modules\fsevents\node_modules'
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 yours
elf.
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
```

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

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-
width, initialscale=1, shrink-to-fit=no">
    <meta name="theme-color" content="#000000">

    <link rel="manifest" href="%PUBLIC_URL%/manifest.json">
    <link rel="shortcut icon" href="%PUBLIC_URL%/favicon.ico">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bu
lma/0.6.2/css/bulma.min.css">

    <title>React App</title>
  </head>
  <body>
    <noscript>
      You need to enable JavaScript to run this app.
    </noscript>
  <div id="root"></div>
  </body>
</html>
```

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

```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>
          <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>
```

```jsx
              <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>
          </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 (!/^.+@.+$/i.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 } }) => (
  <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

```
import React from "react";
import ReactDOM from "react-dom";
import { createStore, combineReducers } from "redux";
import { Provider } from "react-redux";
import { reducer as formReducer } from "redux-form";
import "./index.css";
import App from "./App";
import * as serviceWorker from "./serviceWorker";

const rootReducer = combineReducers({
  form: formReducer
});

const store = createStore(rootReducer);

ReactDOM.render(
  <Provider store={store}>
    <App />
```

```
</Provider>,
  document.getElementById("root")
);

serviceWorker.unregister();
```

6. Hasil

Contact Form

First Name

Agik fendi

Last Name

Harvyandha

Email Address

agikfendih@gmail.com

Age

22

Proficiency

Beginner Dev

Gender

⦿ Male ◯ Female

☑ Save Details

Message

tugas minggu8

Submit