

TUGAS INDIVIDU

Jobsheet 7

Redux dan Hoc

Pemrograman Berbasis Framework



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TI – 3A

PROGRAM STUDI – D4 TEKNIK INFORMATIKA

JURUSAN – TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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1. Buat dan install redux di project ReactJs dengan CLI berikut

```
npx create-react-app contact-redux
```

```
npm install -g create-react-app
```

```
npm start
```

2. Install form dengan

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

```
HP@DESKTOP-DZ MINGW64 /d/DZ/KULIAH/2019-2020/Semester 6/Pemrograman Framework/belajar-react/redux-hoc-jbs7 (master)
$ npm install --save redux react-redux redux-form
```

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

```
index.html X
public > index.html > html > head
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" />
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>You need to enable JavaScript to run this app.</noscript>
16     <div id="root"></div>
17   </body>
18 </html>
```

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

```
JS App.js > SignInForm
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>
  </form>
}
```

```
<div className="field">
  <div className="control">
    <label className="label">Proficiency</label>
    <div className="select">
      <Field name="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>
    <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(!/^.+@.+$/.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`

```
JS 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 registerServiceWorker from './registerServiceWorker';

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

ReactDOM.render(
  <Provider store={store}>
    <App />
  </Provider>,
  document.getElementById('root')
);

registerServiceWorker();
```

6. Output browser

React App

localhost:3000

Contact Form

First Name

First Name

Last Name

Last Name

Email address

Email address

Age

Age

Proficiency

Gender

☐ Male ☐ Female

☐ Save Details

Message

Submit

Jika mouse telah berada pada input area dan tidak diisi maka akan mengeluarkan pesan **'Required'**

First Name

First Name

Required

Last Name

Last Name

Required

Email address

Email address

Required

Age

Age

Required

| |
|-----------------------|
| Email address |
| dzikri |
| Invalid email address |

Age

Sorry, you must be at least 18 years old

Contact Form

First Name

dzikri

Last Name

alif

Email address

dzikri@mail.com

Age

19

Proficiency

Beginner dev

Gender

☒ Male

☐ Female

☒ Save Details

Message

halo

Submit

- ☒ Group similar
- ☒ Evaluate triggers user activation

| | |
|------------------------|-----------|
| First name is required | App.js:90 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |
| First name is required | App.js:90 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |

▲ DevTools failed to parse SourceMap: `chrome-extension://gighmmicokbfk/spojocnamgkbbiglidom/include.preload.js.map`

▶ ./src/App.js
 Line 37:31: No duplicate props allowed react/jsx-no-duplicate-props

| | |
|--|------------|
| DevTools failed to parse SourceMap: <code>chrome-extension://gighmmicokbfk/spojocnamgkbbiglidom/include.postload.js.map</code> | |
| First name is required | App.js:94 |
| Email is required | App.js:98 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |
| Last name is required | App.js:94 |
| Email is required | App.js:98 |
| Email is invalid | App.js:101 |
| | App.js:133 |

▶ {firstName: "dzikri", lastName: "alf", email: "dzikri@mail.com", age: "19", proficiency: "beginner", ...}