TUGAS INDIVIDU

Jobsheet 7

Redux dan Hoc

Pemprograman Berbasis Framework



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TI - 3A

PROGRAM STUDI – D4 TEKNIK INFORMATIKA

JURUSAN – TEKNOLOGI INFORMASI

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- 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-re
act/redux-hoc-jbs7 (master)
$ np<u>m in</u>stall --save redux react-redux redux-form
```

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

```
o index.html ×
public > ♦ index.html > ♦ html > ♦ head
      <!DOCTYPE html>
      <html lang="en">
         <head>
           <meta charset="utf-8" />
           <meta name="viewport" content="width=device-width, initial-scale=1" />
           <meta name="theme-color" content="#000000" />
           <link rel="manifest" href="%PUBLIC URL%/manifest.json" />
           <link rel="shorcut icon" href="%PUBLIC_URL%/favicon.ico" />
           <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/</pre>
           bulma/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 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 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 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>
```

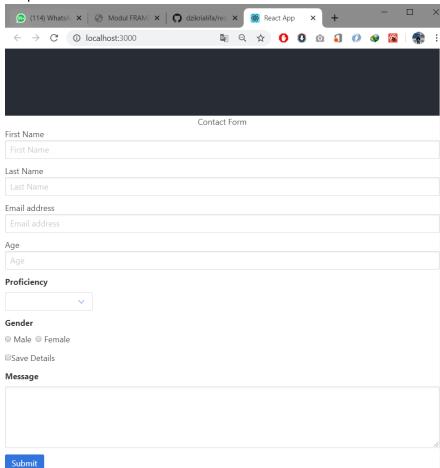
```
<div className="field">
      <div className="control">
        <label className="label">Message</label>
        <Field className="textarea" name="message" component="textarea" />
      </div>
    </div>
    <div className="field">
      <div className="control">
        <button className="button is-link">Submit</button>
    </div>
 </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 addres';
  if(!val.age){
    errors.age = 'Required';
  }else if(isNaN(Number(val.age))){
    errors.age = 'Must be a number';
  }else if(Number(val.age) < 18 ){</pre>
    errors.age = 'Sorry, you must be at least 18 years old';
  return errors;
```

```
<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>
 form: 'signin',
})(SignInForm);
class App extends Component {
   console.log(values);
 render() {
   <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">
     Contact Form
     <SignInForm onSubmit={this.handleSignIn} />
   </div>
```

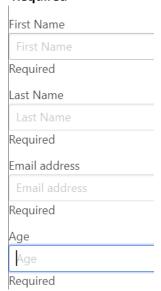
5. Ubah file /src/index.js

```
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



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



jika input email tidak sesuai dengan format email maka akan mengeluarkan pesan **'invalid email** address'

Email address
dzikri
nvalid email addres

jika input age dibawah 18 tahun maka akan mengeluarkan pesan 'Sorry, you must be at least 18 years old'

Age	
12	
Sorry, you must be at least 18 years old	

dan jika di inspect element bagian tab console akan sama mengeluarkan pesan, jika semua sudah terisi dan datanya valid maka akan memberikan hasil berupa object yang sudah di submit tadi.

