TUGAS PERORANGAN/INDIVIDU

LAPORAN JOBSHEET MINGGU 8

HOC

Disusun Sebagai:

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

Oleh:

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TI-3B

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

1. Membuat React

```
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8> npx create-react-app contact-redux

Creating a new React app in G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux.

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


> core-js@2.6.11 postinstall G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux\node_modules\babel-r
untime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"
```

```
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8> cd contact-redux
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux> 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 surf
ace has changed to use Promises in 1.x.)
C:\Users\KHOIRUL\AppData\Roaming\npm\create-react-app -> C:\Users\KHOIRUL\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 1 package in 9.652s
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux> []
```

2. Install Redux

```
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux> npm install redux
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 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: {"o
s":"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: {"o
s":"win32","arch":"x64"})
```

3. Install React Redux

```
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux> npm install react-redux
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 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: {"o
s":"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: {"o
s":"win32","arch":"x64"})
```

4. Install Redux Form

```
PS G:\Kuliah\Semester6\PemrogramanBerbasisFramework\mohkhoirularifin-minggu8\contact-redux> npm install --save redux react-redux redux-fo
rm
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: {"o
s":"win32","arch":"x64"})
```

5. Mengubah File index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=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/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>
```

6. Mengubah File 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" la
bel="Email Address"/>
      </div>
    </div>

    <div className="field">
      <div className="control">
        <Field name="age" component={renderField} type="number" lab
el="Age"/>
      </div>
    </div>

    <div className="field">
      <div className="control">
        <label className="label">Proficiency</label>
        <div className="select">
          <Field className="input" name="proficiency" component="se
lect">
            <option />
            <option value="beginner">Beginner Dev</option>
            <option value="intermediate">Intermediate Dev</option>
            <option value="expert">Expert Dev</option>
          </Field>
        </div>
      </div>
```

```jsx
        </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="inp
ut" type="checkbox"/>
              Save Details
            </label>
          </div>
        </div>

        <div className="field">
          <div className="control">
            <label className="label">Message</label>
            <Field className="textarea" name="message" component="texta
rea" />
          </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;
```

7. Mengubah File index.js

```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();
```
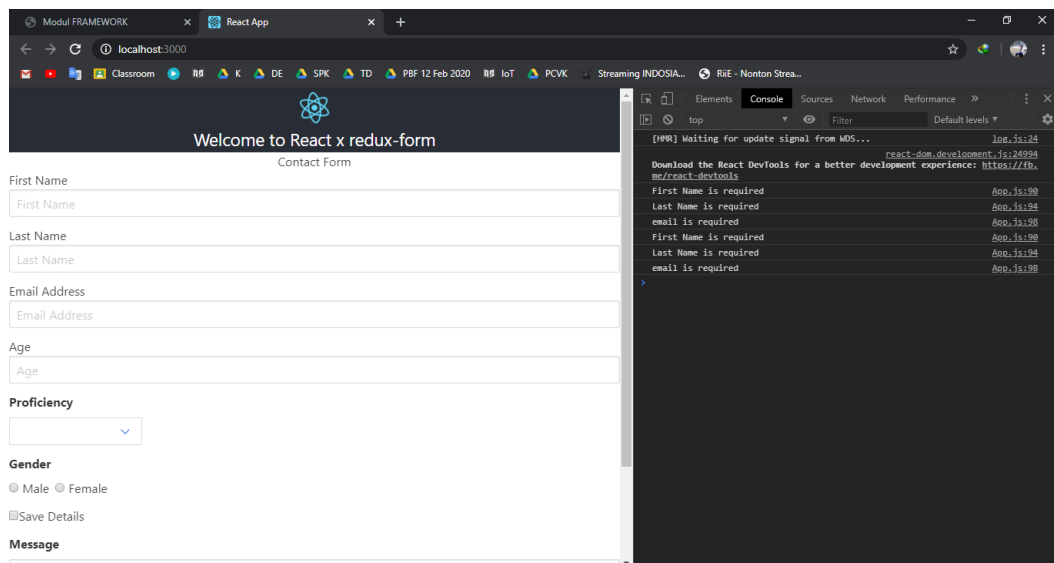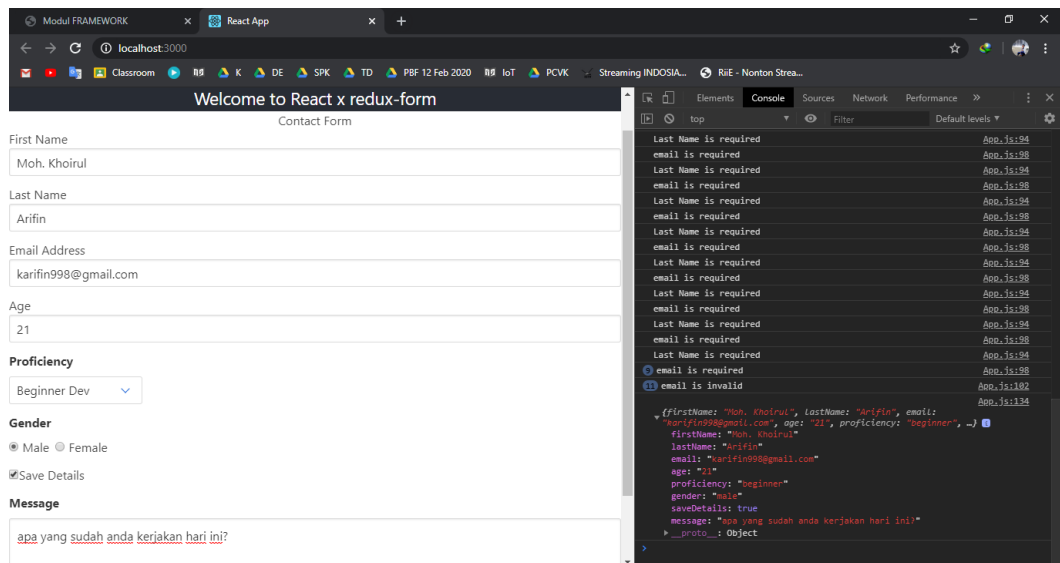
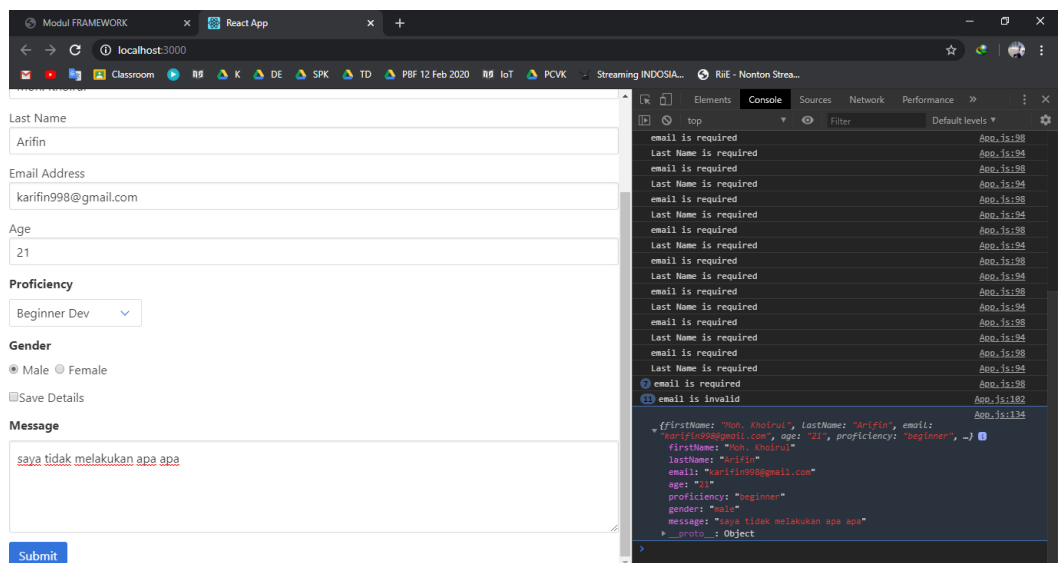8. Hasil Output

   a. Hasil Awal

   Disini terdapat sedikit perubahan daripada di modul karena saya mengedit bagian
   header agar tidak memenuhi layar. Pada bagian ini terdapat beberapa form yang
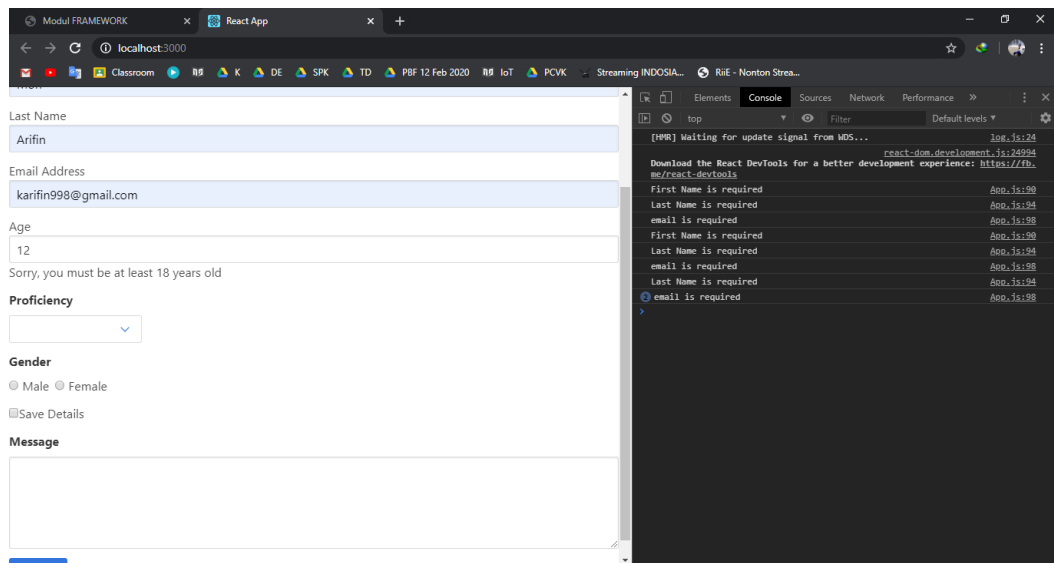   telah dibuat pada App.js.

b. Hasil Setelah Diisi

Pada bagian konsol terjadi banyak sekali is required dikarenakan pada App.js terdapat console.log(......... is required');. Maka ketika setiap kali mengetik akan muncul is required.

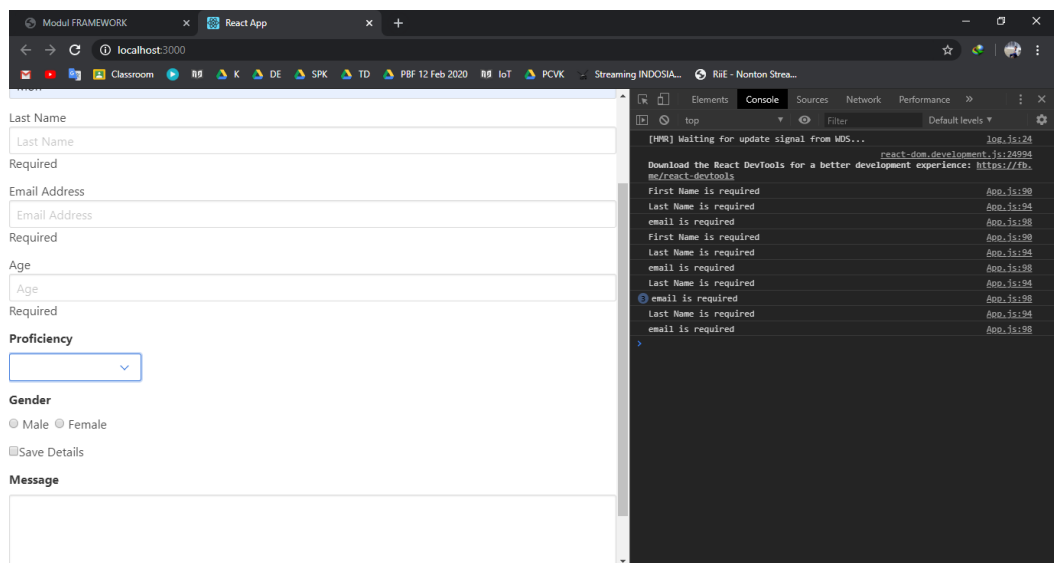c. Hasil Setelah Diisi Dan tidak Mencentang Save Details

Ketika kita tidak mencentang Save Details maka tidak akan ditampilkan pada console.

d. Jika menginputkan umur yang tidak sesuai

Pada fungsi if pada age terdapat kondisi else if (Number(val.age) < 18) maka dari itu jika kita memberi nilai kurang dari 18, maka akan muncul pesan seoerti pada gambar.

e. Jika tidak menginputkan sesuatu

Pada setiap field diberi fungsi if (!val.(......)){errors.(......)= 'Required'} maka jika field tidak diisi, maka akan muncul pesan error seperti pada gambar.