

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**

```
PS E:\tugas\smt6\Belajar-React\minggu8> npx create-react-app contact-redux

Creating a new React app in E:\tugas\smt6\Belajar-React\minggu8\contact-redux.

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

[ ] ..... / fetchMetadata: sill resolveWithNewModule readable-stream@3.6.0 checking installable status
```

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

```
PS E:\tugas\smt6\Belajar-React\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 in 1.x.)
C:\Users\VASUS\AppData\Roaming\npm\create-react-app -> C:\Users\VASUS\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 8 packages in 10.535s
```

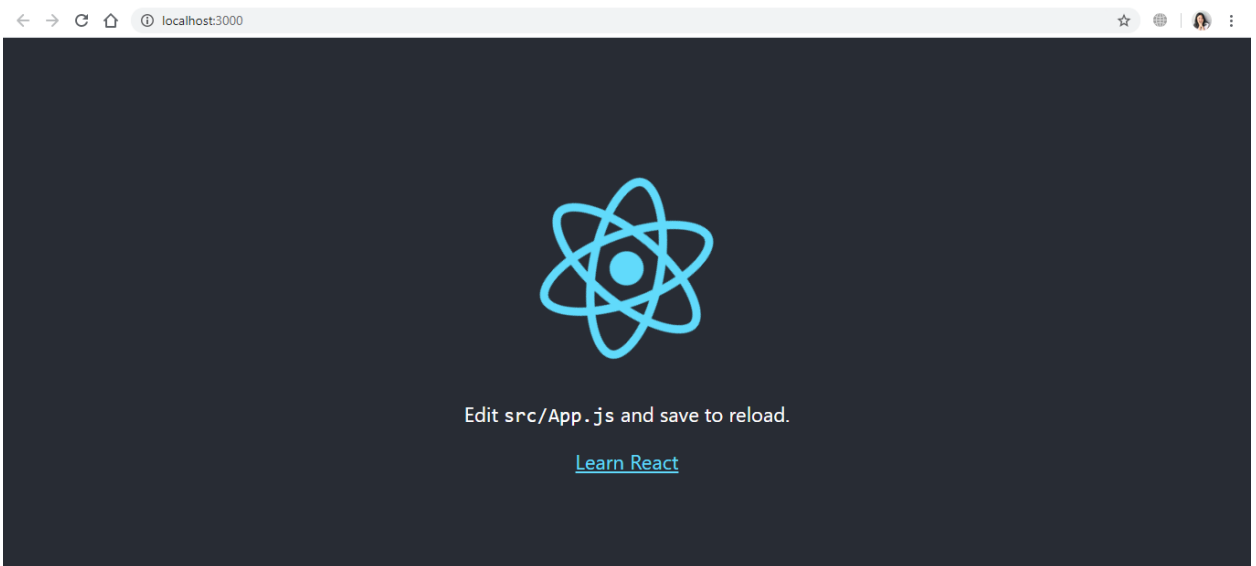
Install **create-react-app contact-redux**

```
PS E:\tugas\smt6\Belajar-React\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**



2. Install form

```
PS E:\tugas\smt6\Belajar-React\minggu8> 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"})

+ redux@4.0.5
+ react-redux@7.2.0
+ redux-form@8.3.1
added 8 packages from 7 contributors and audited 930121 packages in 31.3s

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

found 0 vulnerabilities
```

3. Ubah file index.html pada folder /public/index.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://cdn.jsdelivr.net/npm/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

```
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="Em
ail 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>

```

```

        <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
});

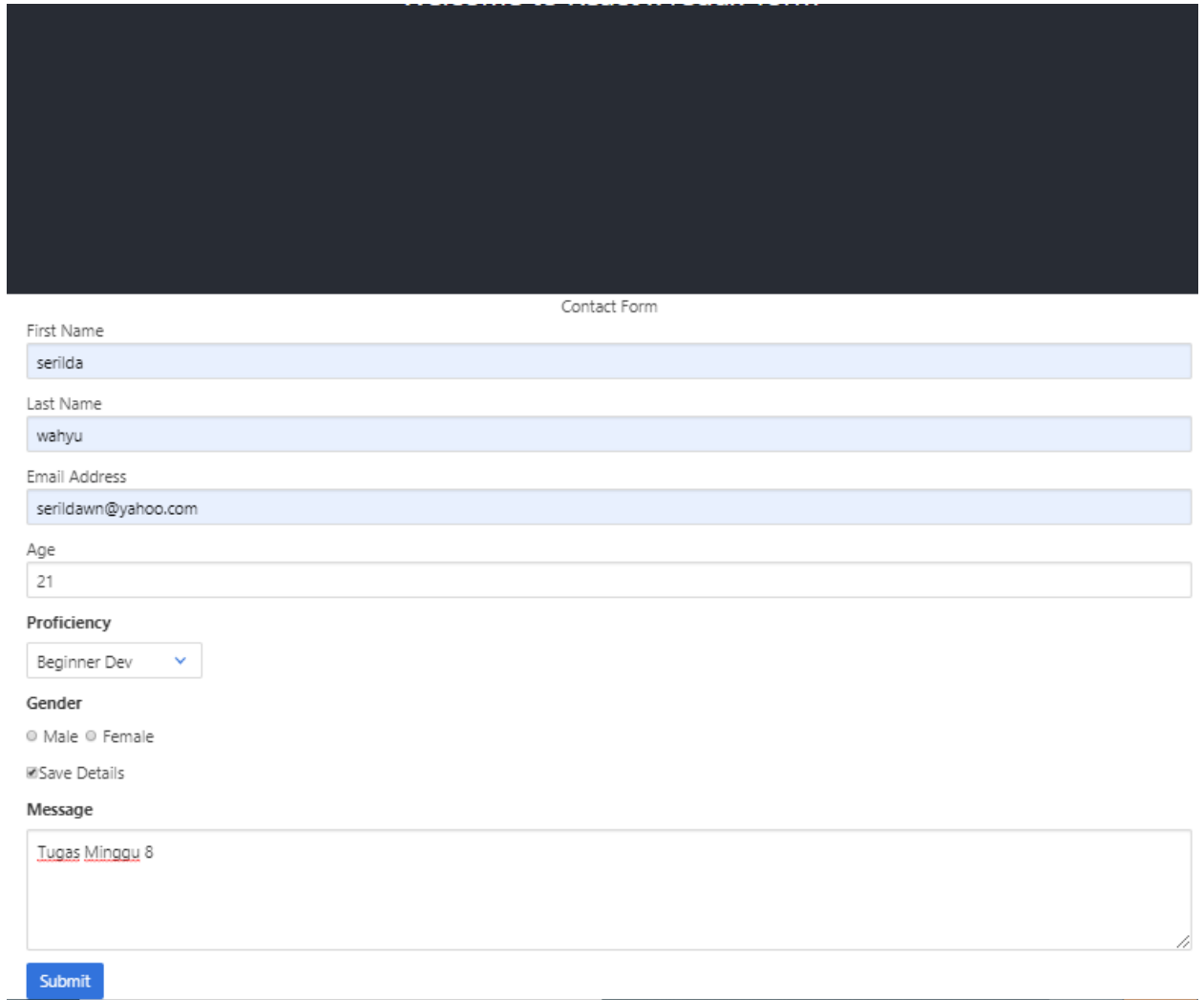
const store = createStore(rootReducer);

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

```

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

6. Hasil



The screenshot displays a web application interface. At the top, there is a large dark blue rectangular area. Below this, the title 'Contact Form' is centered. The form consists of several input fields: 'First Name' with the value 'serida', 'Last Name' with 'wahyu', 'Email Address' with 'serildawn@yahoo.com', and 'Age' with '21'. There is a 'Proficiency' dropdown menu set to 'Beginner Dev'. Below that are radio buttons for 'Gender' (Male and Female), with 'Male' selected. A checkbox labeled 'Save Details' is checked. A 'Message' text area contains the text 'Tugas Minggu 8'. At the bottom left of the form is a blue 'Submit' button. The entire form is set against a light gray background.

First Name
serida

Last Name
wahyu

Email Address
serildawn@yahoo.com

Age
21

Proficiency
Beginner Dev

Gender
☒ Male ☐ Female

☒ Save Details

Message
Tugas Minggu 8

Submit