

**TUGAS PERORANGAN/INDIVIDU**  
**LAPORAN TUGAS MINGGU KE 8**

**MODUL 8: REDUX dan HOC**

Disusun Sebagai:

**MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK**

Oleh:

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TI-3B



**PROGRAM STUDI D4 TEKNIK INFORMATIKA**  
**JURUSAN TEKNOLOGI INFORMASI POLITEKNIK**  
**NEGERI MALANG 2019**

# Praktikum

## 1. Buat dan install Redux

`npx create-react-app contact-redux`

```
~/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF | master | npx create-react-app aditya-minggu8
Creating a new React app in /Users/adityapanca/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

> fsevents@1.2.12 install /Users/adityapanca/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8/node_modules/webpack-dev-ser
> node-gyp rebuild

  SOLINK_MODULE(target) Release/.node
    CXX(target) Release/obj.target/fse/fsevents.o
  SOLINK_MODULE(target) Release/fse.node

> fsevents@1.2.12 install /Users/adityapanca/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8/node_modules/watchpack/node_
> node-gyp rebuild

  SOLINK_MODULE(target) Release/.node
    CXX(target) Release/obj.target/fse/fsevents.o
  SOLINK_MODULE(target) Release/fse.node

> fsevents@1.2.12 install /Users/adityapanca/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8/node_modules/jest-haste-map/
> node-gyp rebuild

  SOLINK_MODULE(target) Release/.node
    CXX(target) Release/obj.target/fse/fsevents.o
  SOLINK_MODULE(target) Release/fse.node

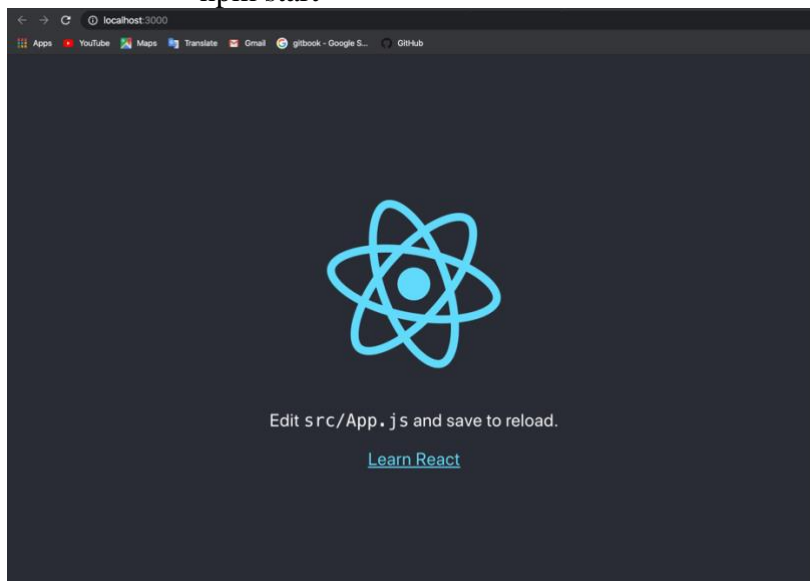
> core-js-pure@3.6.4 postinstall /Users/adityapanca/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8/node_modules/core-js-
> node -e "try(require('./postinstall'))catch(e){}"

> core-js@3.6.4 postinstall /Users/adityapanca/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8/node_modules/core-js
> node -e "try(require('./postinstall'))catch(e){}"
```

`npm install -g create-react-app`

```
~/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8 | master | sudo npm install -g create-react-app
Password:
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.)
/usr/local/bin/create-react-app -> /usr/local/lib/node_modules/create-react-app/index.js
+ create-react-app@3.4.1
updated 1 package in 4.325s
~/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8 | master |
```

`npm start`



## 2. Install Form

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 || 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.

+ redux@4.0.5
+ react-redux@7.2.0
+ redux-form@8.3.1
added 8 packages from 7 contributors and audited 930421 packages in 10.567s

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

found 0 vulnerabilities

~/Documents/KULIAH/SEMESTER6/Tugas_AdityaPanca_1741720187_PBF/aditya-minggu8 | master !3 ?1
```

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

```
index.html — aditya-minggu8

EXPLORER
  OPEN EDITORS
    index.html ... M
  ADITYA-MINGGU8
    contact-redux
    node_modules
    public
      favicon.ico
      index.html M
      logo192.png
      logo512.png
      manifest.json
      robots.txt
    src
      .gitignore
      package-lock.js... M
      package.json M
      README.md

index.html
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8" />
5     <meta
6       name="viewport"
7       content="width=device-width, initial-scale=1, shrink-to-fit=no"/>
8     <meta name="theme-color" content="#000000" />
9
10    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
11    <link rel="shortcut icon" href="%PUBLIC_URL%/favicon.ico" />
12    <link
13      rel="stylesheet"
14      href="https://cdnjs.cloudflare.com/ajax/libs/bulma/0.6.2/css/bulma.min.css"/>
15
16    <title>React App</title>
17  </head>
18  <body>
19    <noscript>
20      You need to enable JavaScript to run this app.
21    </noscript>
22    <div id="root"></div>
23  </body>
24 </html>
25
```

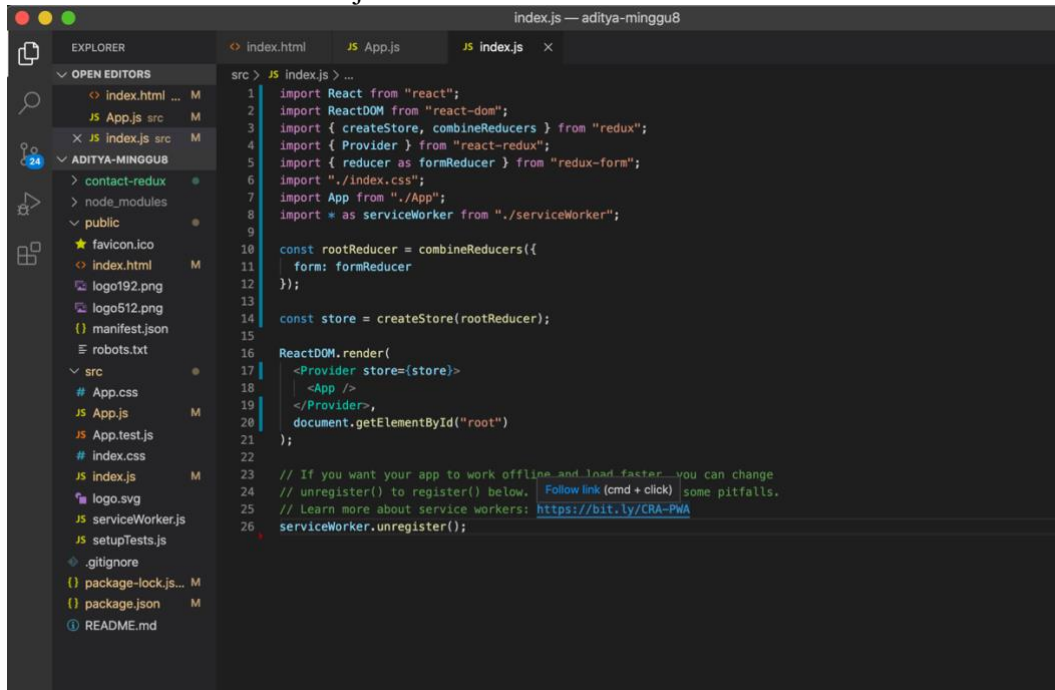
## 4. Ubah file App.js pada folder /src/App.js

```
App.js — aditya-minggu8

EXPLORER
  OPEN EDITORS
    index.html M
    JS App.js src M
  ADITYA-MINGGU8
    contact-redux
    node_modules
    public
      favicon.ico
      index.html M
      logo192.png
      logo512.png
      manifest.json
      robots.txt
    src
      App.css
      App.js M
      App.test.js
      index.css
      index.js
      logo.svg
      serviceWorker.js
      setupTests.js
      .gitignore
      package-lock.js... M
      package.json M
      README.md

App.js
1 import React, { Component } from "react";
2 import { reduxForm, Field } from "redux-form";
3 import logo from "../logo.svg";
4 import "../App.css";
5
6 let SignInForm = props => {
7   const { handleSubmit } = props;
8   return (
9     <form onSubmit={handleSubmit} className="form">
10       <div className="field">
11         <div className="control">
12           <Field
13             name="firstName"
14             component={renderField}
15             type="text"
16             label="First Name"
17           />
18         </div>
19       </div>
20       <div className="field">
21         <div className="control">
22           <Field
23             name="lastName"
24             component={renderField}
25             type="text"
26             label="Last Name"
27           />
28         </div>
29       </div>
30       <div className="field">
31         <div className="control">
32           <Field
33             name="email"
34             component={renderField}
35             type="email"
36             label="Email Address"
37           />
38         </div>
39       </div>
40     </form>
41   );
42 };
43
44 export default reduxForm({
45   form: "signInForm",
46 })(SignInForm);
```

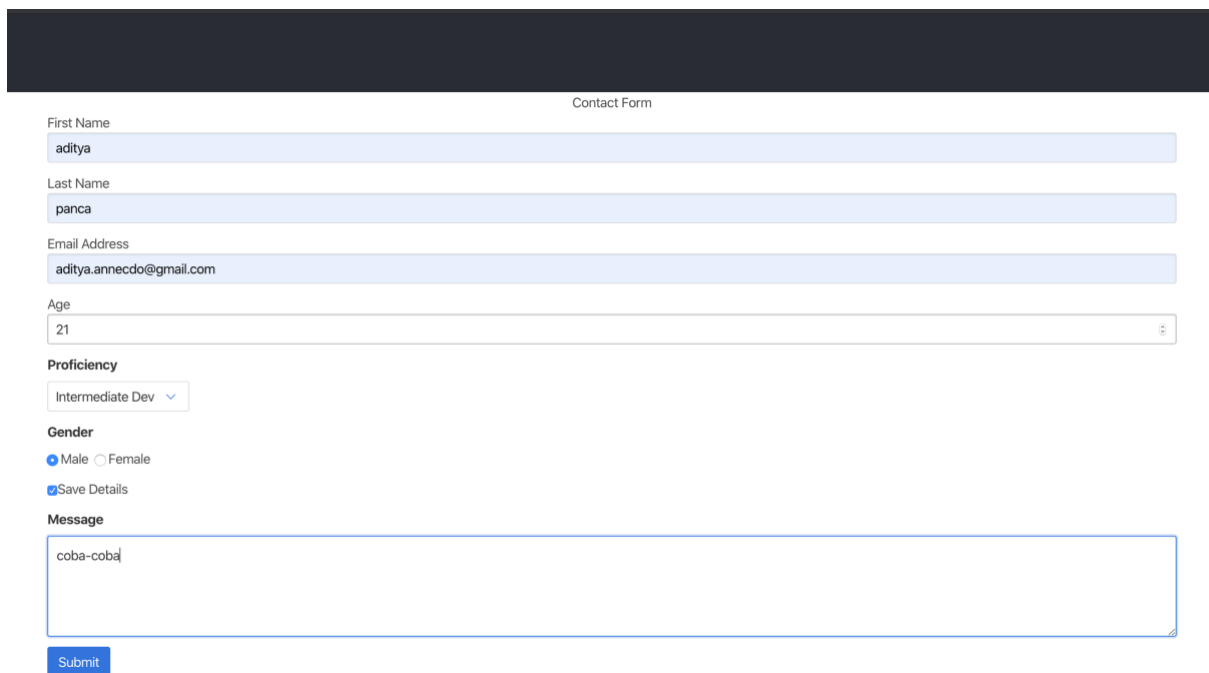
## 5. Ubah file /src/index.js



```
src > JS index.js > ...
1 import React from "react";
2 import ReactDOM from "react-dom";
3 import { createStore, combineReducers } from "redux";
4 import { Provider } from "react-redux";
5 import { reducer as formReducer } from "redux-form";
6 import "./index.css";
7 import App from "./App";
8 import * as serviceWorker from "./serviceWorker";
9
10 const rootReducer = combineReducers({
11   form: formReducer
12 });
13
14 const store = createStore(rootReducer);
15
16 ReactDOM.render(
17   <Provider store={store}>
18     <App />
19   </Provider>,
20   document.getElementById("root")
21 );
22
23 // If you want your app to work offline_and_load_faster...you can change
24 // unregister() to register() below. Follow link (cmd + click) some pitfalls.
25 // Learn more about service workers: https://bit.ly/CRA-PWA
26 serviceWorker.unregister();
```

## HASIL PRAKTIKUM

### Running hasil



Contact Form

First Name  
aditya

Last Name  
panca

Email Address  
aditya.annecdo@gmail.com

Age  
21

Proficiency  
Intermediate Dev

Gender  
☒ Male ☐ Female

☒ Save Details

Message  
coba-coba

Submit

Setelah click tombol “Inspect” lalu pilih Console maka akan muncul seperti gambar di bawah ini :

```
App.js:163
▼ {firstName: "aditya", lastName: "panca", email: "aditya.annecdo@gmail.com", age: "21", proficiency: "intermediate", ...} ⓘ
  firstName: "aditya"
  lastName: "panca"
  email: "aditya.annecdo@gmail.com"
  age: "21"
  proficiency: "intermediate"
  gender: "male"
  saveDetails: true
  message: "coba-coba"
  __proto__: Object
```