

LAPORAN INDIVIDU



LAPORAN JOBSHEET MINGGU 8 (REDUX DAN HOC)

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

Disusun Oleh:

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**PROGRAM STUDI D-IV TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2020**

1. Buat dan install redux

a. npx create-react-app contact-redux

```
terminate batch job (1711): y

D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>npx create-react-app contact-redux

Creating a new React app in D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-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 D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8\contact-redu
x\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"
```

b. npm install -g create-react-app

```
D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-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 s
urface has changed to use Promises in 1.x.)
C:\Users\Yessy Nindi Pratiwi\AppData\Roaming\npm\create-react-app -> C:\Users\Yessy Nindi Pratiwi\AppData\Roaming\npm\node_modules\cre
ate-react-app\index.js
+ create-react-app@3.4.1
updated 1 package in 7.043s

D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
```

c. create-react-app contact-redux

```
D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-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.

D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
```

d. npm start

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

Compiled successfully!

You can now view yessynp-minggu8 in the browser.

  Local:      http://localhost:3000
  On Your Network:  http://192.168.1.34:3000

Note that the development build is not optimized.
To create a production build, use npm run build.
```

2. Install Form npm install --save redux react-redux redux-form

```
D:\KAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>npm install --save redux react-redux redux-form

D:\KAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>npm install --save redux react-redux redux-form
npm WARN react-scripts@3.4.1 requires a peer of typescript@3.2.1 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of sass@4.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of sass@1.3.0 but none is installed. You must install peer dependencies yourself.
npm WARN sass-loader@8.0.2 requires a peer of fibers@>= 3.1.0 but none is installed. You must install peer dependencies yourself.
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 || >= 3.7.0-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"})

+ react-redux@7.2.0
+ redux@4.0.5
+ redux-form@8.3.1
added 8 packages from 7 contributors in 38.931s

D:\KAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
D:\KAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
```

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

```
index.html X
C:\Users\Yessy Nindi Pratiwi\Documents> 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      />
9      <meta name="theme-color" content="#000000" />
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> You need to enable JavaScript to run this app. </noscript>
20     <div id="root"></div>
21   </body>
22 </html>
23
```

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

```
<> index.html    JS app.js
c: > Users > Yessy Nindi Pratiwi > Documents > JS app.js > [e] SignInForm
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          </div>
18        </div>
19
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
31        <div className="field">
32          <div className="control">
33            <Field
34              name="email"
35              component={renderField}
36              type="email"
37              label="Email Address"
38            />
39          </div>
40        </div>
41
42        <div className="field">
43          <div className="control">
44            <Field name="age" component={renderField} type="number" label="Age" />
45          </div>
46        </div>
```

```

50     <div className="control">
51       <label className="label">Proficiency</label>
52       <div className="select">
53         <Field className="input" name="proficiency" component="select">
54           <option />
55           <option value="beginner">Beginner Dev</option>
56           <option value="intermediate">Intermediate Dev</option>
57           <option value="expert">Expert Dev</option>
58         </Field>
59       </div>
60     </div>
61   </div>
62
63   <div className="field">
64     <div className="control">
65       <label className="label">Gender</label>
66       <label className="radio">
67         <Field name="gender" component="input" type="radio" value="male" />{" "}
68         Male
69       </label>
70       <label className="radio">
71         <Field
72           name="gender"
73           component="input"
74           type="radio"
75           value="female"
76         />{" "}
77         Female
78       </label>
79     </div>
80   </div>
81
82   <div className="field">
83     <div className="control">
84       <label className="checkbox">
85         <Field
86           name="saveDetails"
87           id="saveDetails"
88           component="input"
89           type="checkbox"
90         />
91         Save Details
92       </label>
93     </div>
94   </div>

```

```

96     <div className="field">
97       <div className="control">
98         <label className="label">Message</label>
99         <Field className="textarea" name="message" component="textarea" />
100       </div>
101     </div>
102
103     <div className="field">
104       <div className="control">
105         <button className="button is-link">Submit</button>
106       </div>
107     </div>
108   </form>
109 );
110 };
111
112 const validate = val => {
113   const errors = {};
114   if (!val.firstName) {
115     console.log("First Name is required");
116     errors.firstName = "Required";
117   }
118   if (!val.lastName) {
119     console.log("Last Name is required");
120     errors.lastName = "Required";
121   }
122   if (!val.email) {
123     console.log("email is required");
124     errors.email = "Required";
125   } else if (!/^.+@.+$/.test(val.email)) {
126     console.log("email is invalid");
127     errors.email = "Invalid email address";
128   }
129   if (!val.age) {
130     errors.age = "Required";
131   } else if (isNaN(Number(val.age))) {
132     errors.age = "Must be a number";
133   } else if (Number(val.age) < 18) {
134     errors.age = "Sorry, you must be at least 18 years old";
135   }
136   return errors;
137 };
138

```

```

139 const renderField = ({
140   input,
141   label,
142   type,
143   meta: { touched, error, warning }
144 }) => (
145   <div>
146     {" "}
147     <div className="control">
148       {" "}
149       <label className="field">{label}</label>{" "}
150       <input className="input" {...input} placeholder={label} type={type} />{" "}
151       {touched &&
152         ((error && <span>{error}</span>) ||
153          (warning && <span>{warning}</span>))}{" "}
154     </div>{" "}
155   </div>
156 );
157 SignInForm = reduxForm({ form: "signIn", validate })(SignInForm);
158
159 class App extends Component {
160   handleSignIn = values => {
161     console.log(values);
162   };
163
164   render() {
165     return (
166       <div className="App">
167         {" "}
168         <header className="App-header">
169           {" "}
170           <img src={logo} className="App-logo" alt="logo" />{" "}
171           <h1 className="App-title">Welcome to React x redux-form</h1>{" "}
172         </header>{" "}
173         <div className="container">
174           {" "}
175           <p className="App-intro">Contact Form </p>{" "}
176           <SignInForm onSubmit={this.handleSignIn} />{" "}
177         </div>{" "}
178       </div>
179     );
180   }
181 }
182
183 export default App;

```

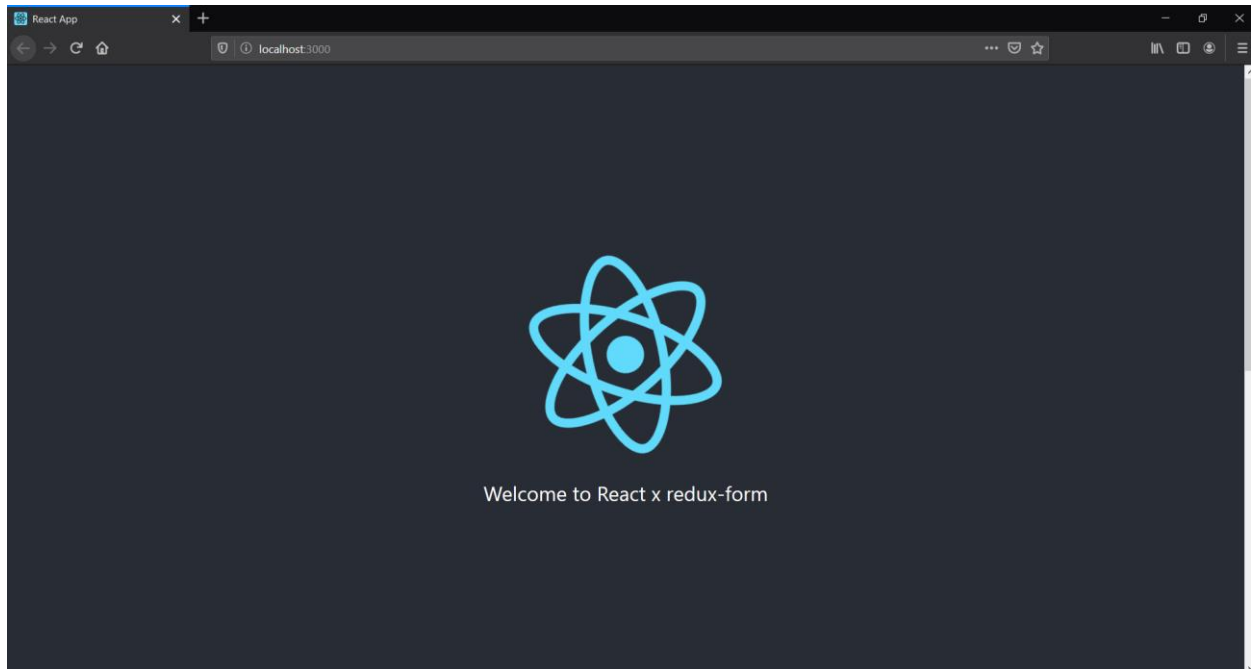
5. Ubah file /src/index.js

```

<> index.html JS App.js JS index.js X
contact-redux > 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.js';
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>, document.getElementById('root')
20 );
21
22 serviceWorker.register();

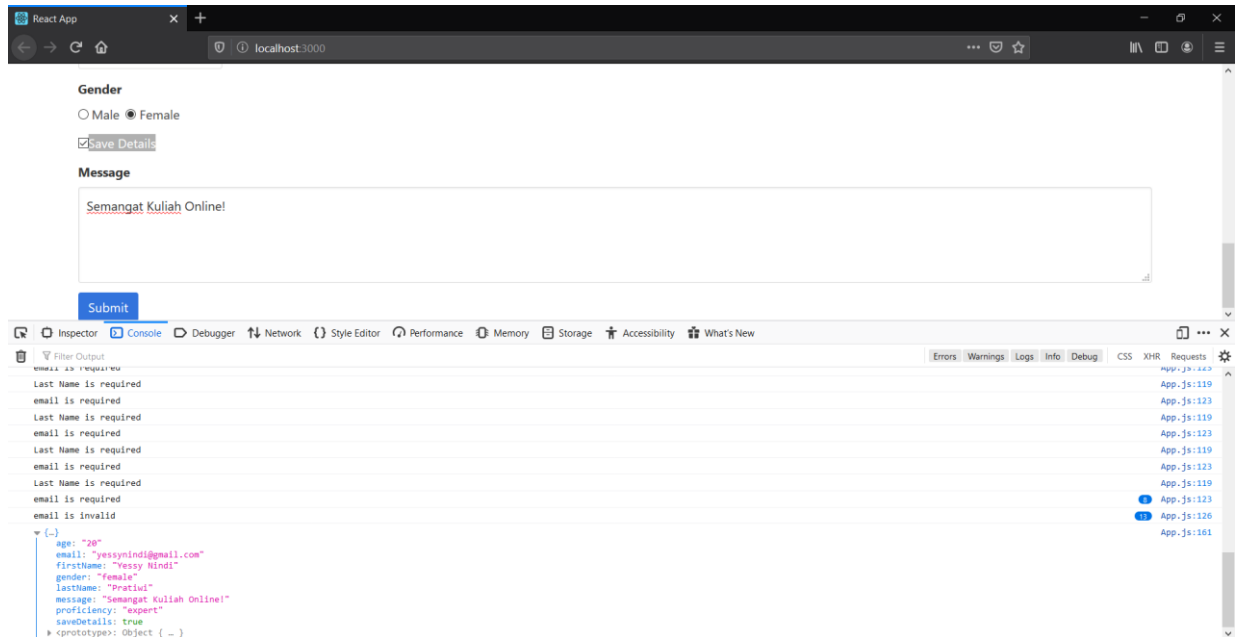
```

6. Run Hasil

A screenshot of a web browser window titled 'React App' with the address bar showing 'localhost:3000'. The page displays a contact form titled 'Contact Form'. The form includes the following fields and controls:

- First Name:** Text input with the value 'Yessy Nindi'.
- Last Name:** Text input with the value 'Pratiwi'.
- Email Address:** Text input with the value 'yessynindi@gmail.com'.
- Age:** Text input with the value '20'.
- Proficiency:** A dropdown menu currently showing 'Expert Dev'.
- Gender:** Radio buttons for 'Male' and 'Female', with 'Female' selected.
- Save Details:** A checked checkbox.
- Message:** A text area containing the text 'Semangat Kuliah Online!'.
- Submit:** A blue button at the bottom left of the form.

Hasil ketika button submit diklik



```
{...}
age: "20"
email: "yessynindi@gmail.com"
firstName: "Yessy Nindi"
gender: "female"
lastName: "Pratiwi"
message: "Semangat Kuliah Online!"
proficiency: "expert"
saveDetails: true
<prototype>: Object { ... }
```