

LAPORAN PRAKTIKUM MATA KULIAH
PEMROGRAMAN BERBASIS FRAMEWORK



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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

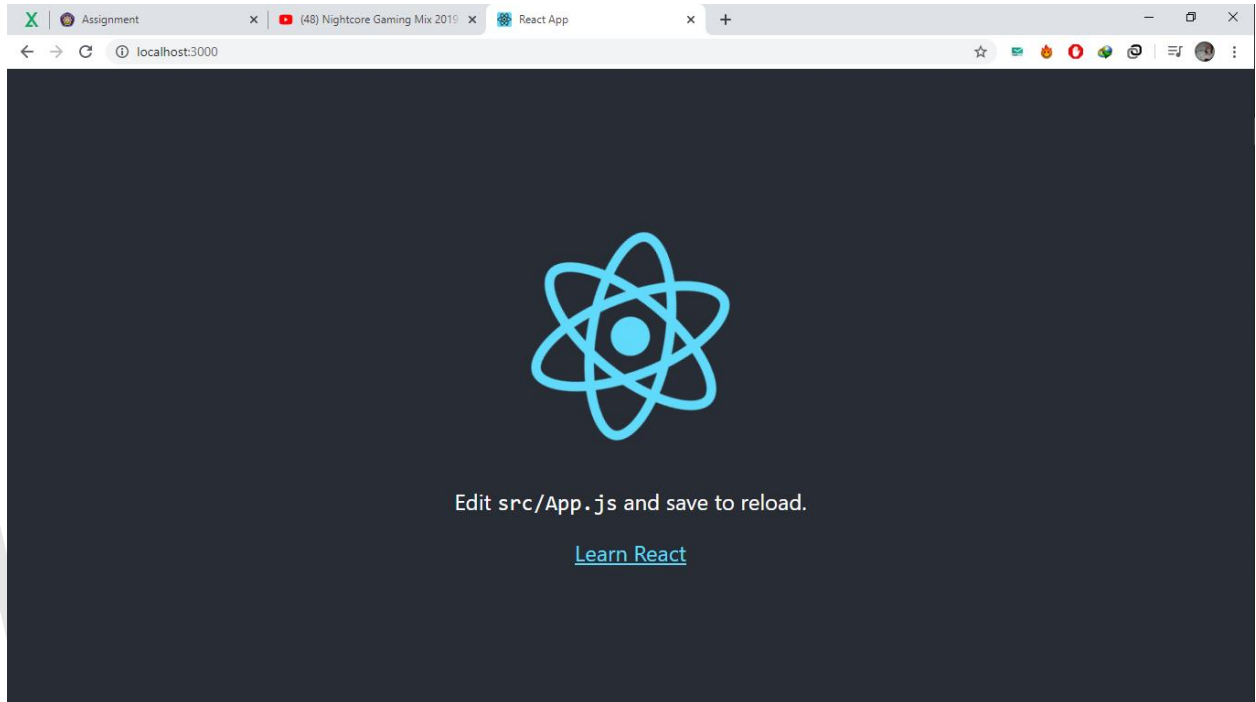
JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

Praktikum

1. Menginstall redux



2. Menginstall form

```
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\Kuliah\Semester 6\React\Pertemuan 7\starter> npm install --save redux react-redux redux-form
npm WARN eslint-config-react-app@5.2.0 requires a peer of eslint-plugin-flowtype@3.x 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-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 optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\webpack-dev-server\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\jest-haste-map\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
+ redux@4.0.5
+ redux-form@8.3.1
added 8 packages from 7 contributors and audited 918213 packages in 68.27s

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

3. Source code file index.html

```
4. <!DOCTYPE html>
5. <html lang="en">
6.
7. <head>
8.   <meta charset="utf-8" />
```

```

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

```

25. Source code pada file 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>,
  document.getElementById('root')
);

// If you want your app to work offline and load faster, you can change

```

```
// unregister() to register() below. Note this comes with some pitfalls.  
// Learn more about service workers: https://bit.ly/CRA-PWA  
serviceWorker.unregister();
```

26. Source code pada file App.js

```
27. import React, { Component } from 'react';  
28. import { reduxForm, Field } from 'redux-form';  
29. import logo from './logo.svg';  
30. import './App.css';  
31.  
32. let SignInForm = props => {  
33.   const { handleSubmit } = props;  
34.   return <form onSubmit={handleSubmit} className="form">  
35.     <div className="field">  
36.       <div className="control">  
37.         <Field name="firstName" component={renderField} type="text" label=  
"First Name" />  
38.       </div>  
39.     </div>  
40.     <div className="field">  
41.       <div className="control">  
42.         <Field name="lastName" component={renderField} type="text" label=  
"Last Name" />  
43.       </div>  
44.     </div>  
45.     <div className="field">  
46.       <div className="control">  
47.         <Field name="email" component={renderField} type="email" label="Em  
ail Address" />  
48.       </div>  
49.     </div>  
50.     <div className="field">  
51.       <div className="control">  
52.         <Field name="age" component={renderField} type="number" label="Age  
" />  
53.       </div>  
54.     </div>  
55.  
56.     <div className="field">  
57.       <div className="control">  
58.         <label className="label">Proficiency</label>  
59.         <div className="select">  
60.           <Field className="input" name="proficiency" component="select">  
61.             <option />
```

```
62.         <option value="beginner">Beginner Dev</option>
63.         <option value="intermediate">Intermediate Dev</option>
64.         <option value="expert">Expert Dev</option>
65.     </Field>
66. </div>
67. </div>
68. </div>
69.
70. <div className="field">
71.     <div className="control">
72.         <label className="label">Gender</label>
73.         <label className="radio">
74.             <Field name="gender" component="input" type="radio" value="male"
75.             />
76.             {' '}
77.             Male
78.         </label>
79.         <label className="radio">
80.             <Field name="gender" component="input" type="radio" value="female" />
81.             {' '}
82.             Female
83.         </label>
84.     </div>
85. </div>
86.
87. <div className="field">
88.     <div className="control">
89.         <label className="checkbox">
90.             <Field name="saveDetails" id="saveDetails" component="input" type="checkbox" />
91.             Save Details
92.         </label>
93.     </div>
94. </div>
95.
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">
```

```

104.         <button className="button is-link">Button</button>
105.     </div>
106. </div>
107. </form>
108. };
109.
110. const validate = val => {
111.     const errors = {};
112.     if (!val.firstName) {
113.         console.log('First name is required');
114.         errors.firstName = 'Required';
115.     }
116.     if (!val.lastName) {
117.         console.log('Last name is required');
118.         errors.lastName = 'Required';
119.     }
120.     if (!val.email) {
121.         console.log('Email is required');
122.         errors.email = 'Required';
123.     } else if (!/^.+@.+$/.test(val.email)) {
124.         console.log('email is invalid');
125.         errors.email = 'Invalid email address';
126.     }
127.     if (!val.age) {
128.         errors.age = 'Required';
129.     } else if (isNaN(Number(val.age))) {
130.         errors.age = 'Must be a number';
131.     } else if (Number(val.age) < 18) {
132.         errors.age = 'Sorry, you must be at least 18 years old';
133.     }
134.     return errors;
135. };
136.
137. const renderField = ({ input, label, type, meta: { touched, error, w
arning } }) => (
138.     <div>
139.         <div className="control">
140.             <label className="field">{label}</label>
141.             <input className="input"{...input} placeholder={label} type={t
ype} />
142.             {touched && ((error && <span>{error}</span>) || (warning && <s
pan>{warning}</span>))}
143.         </div>
144.     </div>
145. )

```

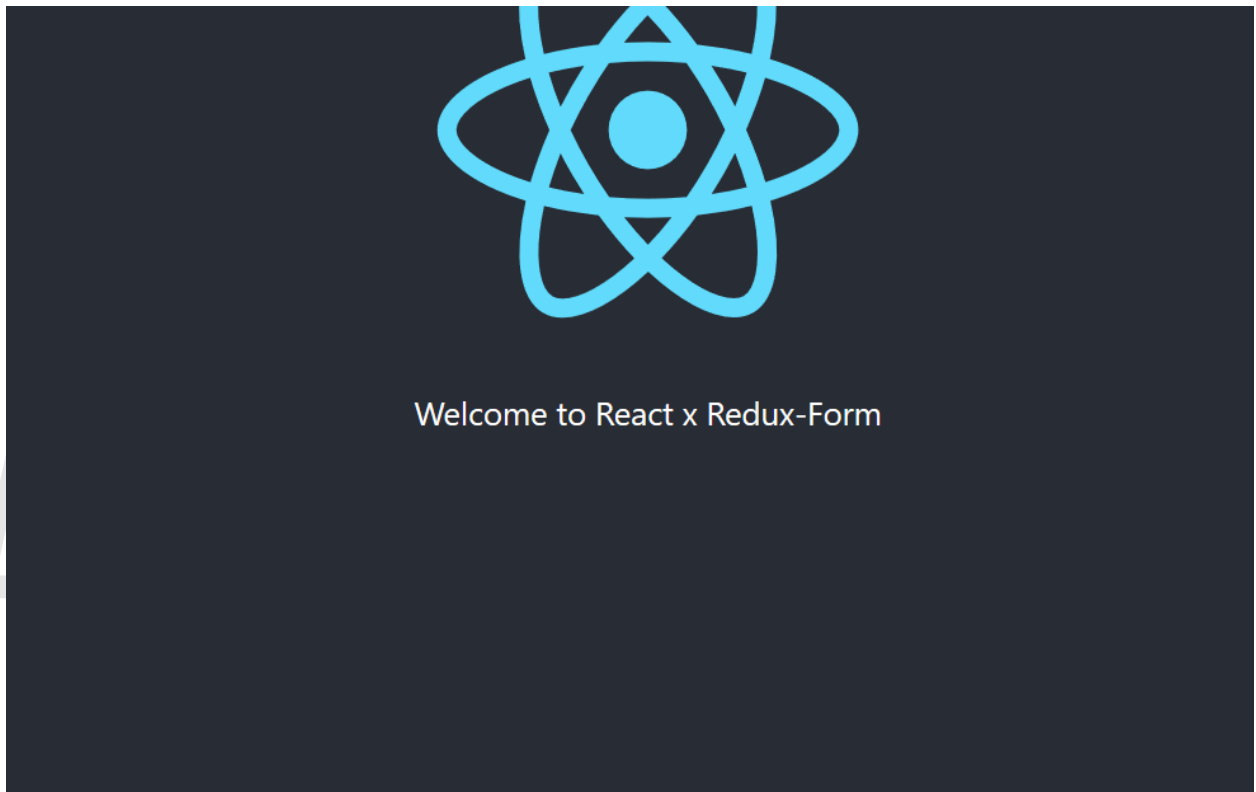
```

146.
147.   SignInForm = reduxForm({
148.     form: 'signIn',
149.     validate,
150.   })(SignInForm);
151.
152.   class App extends Component {
153.     handleSignIn = values => {
154.       console.log(values);
155.     };
156.
157.     render() {
158.       return (
159.         <div className="App">
160.           <header className="App-header">
161.             <img src={logo} className="App-logo" alt="logo" />
162.             <h1 className="App-title">Welcome to React x Redux-
Form</h1>
163.           </header>
164.           <div className="container">
165.             <p className="App-intro">Contact Form</p>
166.             <SignInForm onSubmit={this.handleSignIn} />
167.           </div>
168.         </div>
169.       );
170.     }
171.   }
172.   // function App() {
173.   //   return (
174.   //     <div className="App">
175.   //       <header className="App-header">
176.   //         <img src={logo} className="App-logo" alt="logo" />
177.   //         <p>
178.   //           Edit <code>src/App.js</code> and save to reload.
179.   //         </p>
180.   //         <a
181.   //           className="App-link"
182.   //           href="https://reactjs.org"
183.   //           target="_blank"
184.   //           rel="noopener noreferrer"
185.   //         >
186.   //           Learn React
187.   //         </a>
188.   //       </header>
189.   //     </div>

```

```
190.    //    );  
191.    // }  
192.  
193.    export default App;  
194.
```

195. Hasil :



Contact Form

First Name

Last Name

Email Address

Age

Proficiency

Gender
☐ Male ☐ Female

☐ Save Details

Message

First Name

First Name

Last Name

Last Name

Email Address

Email Address

Age

Age

Proficiency



Gender

☐ Male ☐ Female

☐ Save Details

Message

Button

Contact Form

First Name

alenovan

Last Name

novan

Email Address

novannanega@gmail.com

Age

10

Sorry, you must be at least 18 years old

Proficiency

Beginner Dev



Gender

☒ Male ☐ Female

☒ Save Details

Message

asdasd

Button

Contact Form