

Laporan Praktikum Pemrograman Berbasis Framework

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1. Install redux
 - *create-react-app contact-redux*
2. Install form

```
C:\Users\bagas\BRUH\5 - Sem6\Framework\Tugas DaffaTahtaAkbar 1741720152 PB\F\hoc\contact-redux>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 || >= 3.7.0-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"})
```

3. Mengubah index.html dalam folder public

```
index.html X JS App.js JS index.js JS serviceWorker.js
contact-redux > public > index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0, shrink-to-fit=no">
6   <meta name="theme-color" content="#000000">
7
8   <link rel="stylesheet" href="https://cdn.jsdelivr.cloudflare.com/ajax/libs/bulma/0.6.2/css/bulma.min.css">
9   <link rel="stylesheet" href="%PUBLIC_URL%/favicon.ico">
10  <link rel="stylesheet" href="%PUBLIC_URL%/manifest.json">
11
12  <title>React App</title>
13 </head>
14 <body>
15   <noscript>
16     You need to enable JavaScript to run this app.
17   </noscript>
18   <div id="root">
19
20   </div>
21 </body>
22 </html>
```

4. Mengubah 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="Email 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 (!/^.+@.+$/.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. Mengubah file index.js di folder src

```

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();

```

6. Hasil

localhost:3000

Welcome to React x redux-form

Contact Form

First Name
Daffa

Last Name
Akbar

Email Address
daffatahta12@gmail.com

Age
18

Proficiency
Intermediate Dev

Gender
☒ Male ☐ Female

☒ Save Details

Message

Submit

12:00 PM