

PRAKTIKUM MINGGU 8

HOC

1. Buat project dengan cara ‘**npx create-react-app contact-redux**’ kemudian enter

```
D:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT>npx create-react-app my-app
Creating a new React app in D:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT\my-app.
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:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT\my-app\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.6.4 postinstall D:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT\my-app\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js-pure@3.6.4 postinstall D:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT\my-app\node_modules\core-js-pure
> node -e "try{require('./postinstall')}catch(e){}"

+ cra-template@1.0.3
```

2. Install secara global dependencies ‘**create-react-app**’

```
D:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT>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 i
n 1.x.)
C:\Users\ALAN\AppData\Roaming\npm\create-react-app -> C:\Users\ALAN\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 8 packages in 3.827s
```

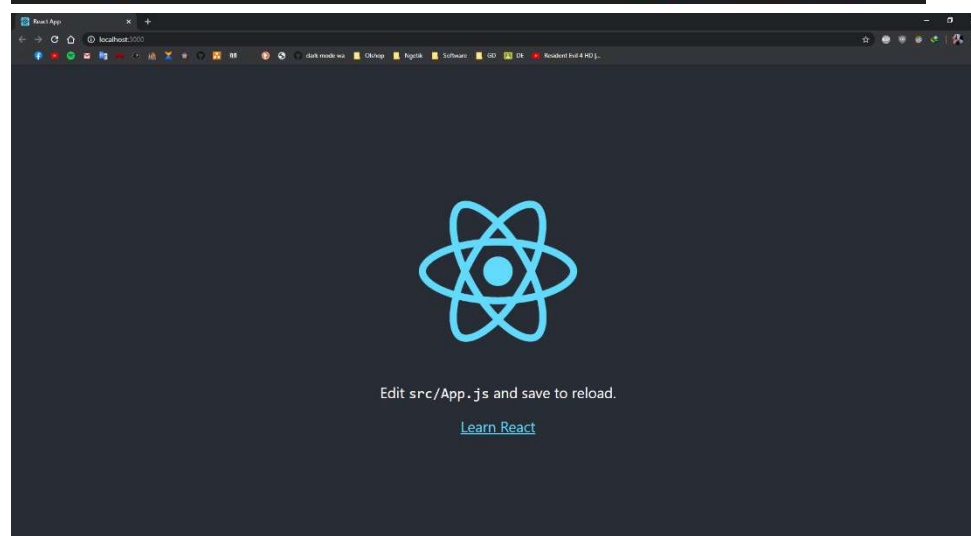
3. Jalankan project dengan menggunakan ‘**npm start**’

```
Compiled successfully!

You can now view contact-redux in the browser.

Local:            http://localhost:3000
On Your Network:  http://192.168.56.1:3000

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



4. Install form dengan cara ‘npm install --save redux react-redux redux-form’

```
D:\TUGAS\SEMESTER 6\Pemrograman Berbasis Framework\MINGGU 8\PROJECT\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 || >= 3.6.0-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"})

+ react-redux@7.2.0
+ redux-form@8.3.1
+ redux@4.0.5
added 8 packages from 7 contributors and audited 930121 packages in 33.676s

55 packages are looking for funding
```

5. Ubah code pada file ‘index.html’ pada folder ‘public’ seperti berikut

```
<!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://cdnjs.cloudflare.com/ajax/libs/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>
```

6. Ubah code pada file 'app.js' pada folder 'src' seperti berikut

```
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">
```



```

        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>
    );
  }
}

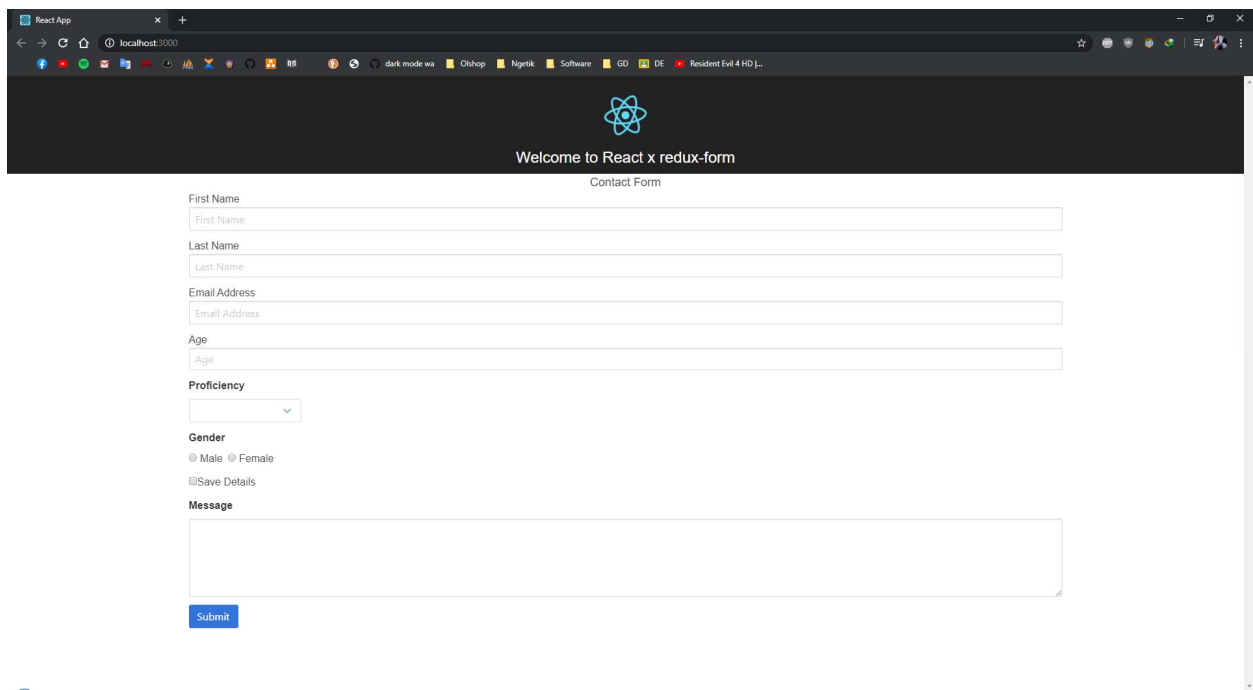
```

```
    );  
  }  
}  
  
export default App;
```

7. Ubah code pada file **'index.js'** pada folder **'src'** seperti berikut

```
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();
```

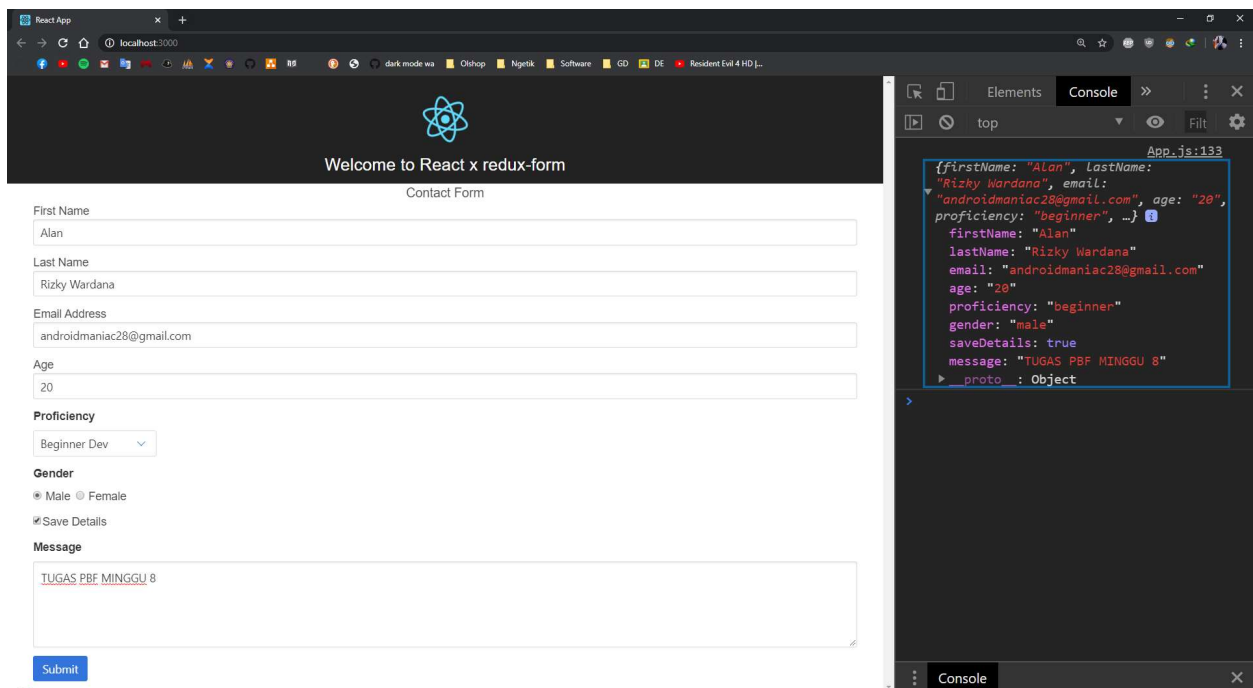
8. Tampilan



The screenshot shows a web browser window with the URL `localhost:3000`. The page has a dark header with the React logo and the text "Welcome to React x redux-form". Below the header is a "Contact Form" with the following fields:

- First Name:
- Last Name:
- Email Address:
- Age:
- Proficiency:
- Gender: ☐ Male ☐ Female
- ☐ Save Details
- Message:
-

9. Ketika semua form diisi, maka akan muncul pada console log



The screenshot shows the same web application as in the previous image, but now the form is filled out. The "Save Details" checkbox is checked. The "Message" field contains the text "TUGAS PBF MINGGU 8". The Redux DevTools console is open on the right, showing the state of the application:

```
App.js:133 {firstName: "Alan", lastName: "Rizky Wardana", email: "androidmaniac28@gmail.com", age: "20", proficiency: "beginner", ...}
```

The state object contains the following properties:

- `firstName`: "Alan"
- `lastName`: "Rizky Wardana"
- `email`: "androidmaniac28@gmail.com"
- `age`: "20"
- `proficiency`: "beginner"
- `gender`: "male"
- `saveDetails`: true
- `message`: "TUGAS PBF MINGGU 8"
- `__proto__`: Object