

TUGAS INDIVIDU

REDUX DAN HOC

Disusun sebagai

MATA KULIAH : PEMROGRAMAN BERBASIS FRAMEWORK



Oleh :

Nor Wahid Hidayad Ulloh / 1641720157 / TI 3A

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

A. Praktikum

1. Buat dan install redux

```
PS C:\Kuliah Semester6\PBF (Pak Dimas)\Reduxhox> npx create-react-app contact-redux
```

2. Install form

```
PS C:\Kuliah Semester6\PBF (Pak Dimas)\Reduxhox\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"})
)

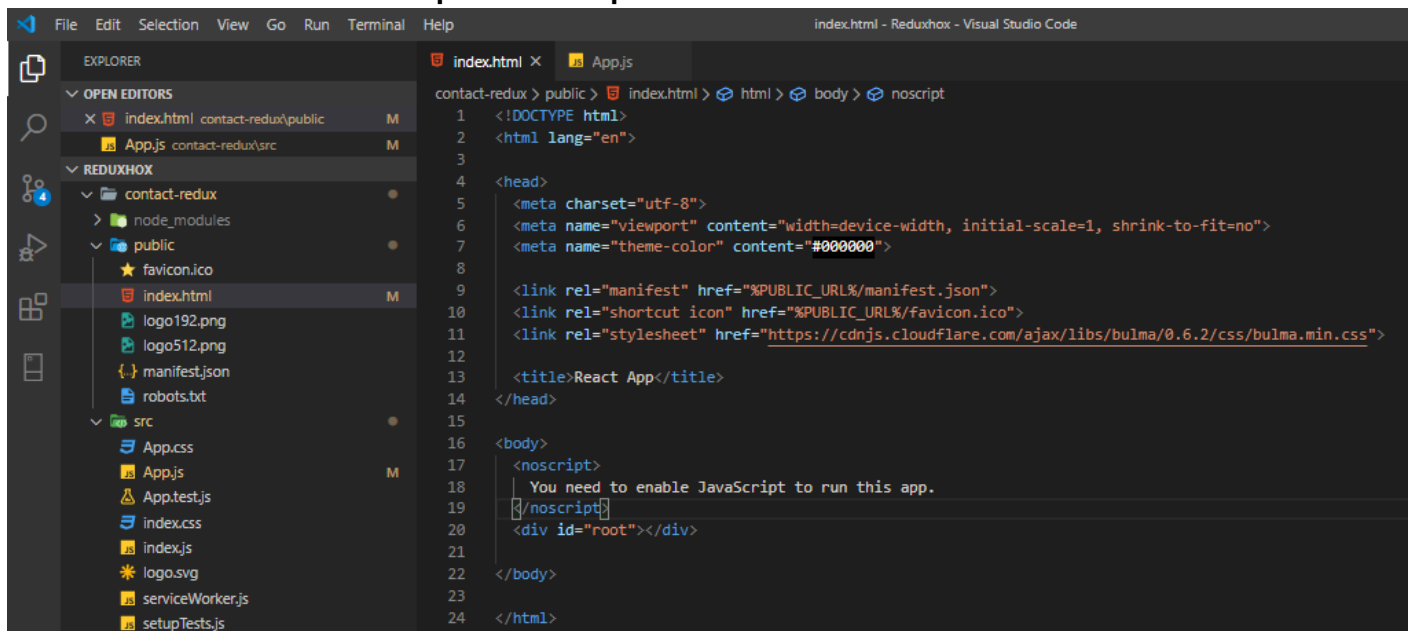
+ redux@4.0.5
+ react-redux@7.2.0
+ redux-form@8.3.1
added 8 packages from 7 contributors and audited 930121 packages in 131.311s

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

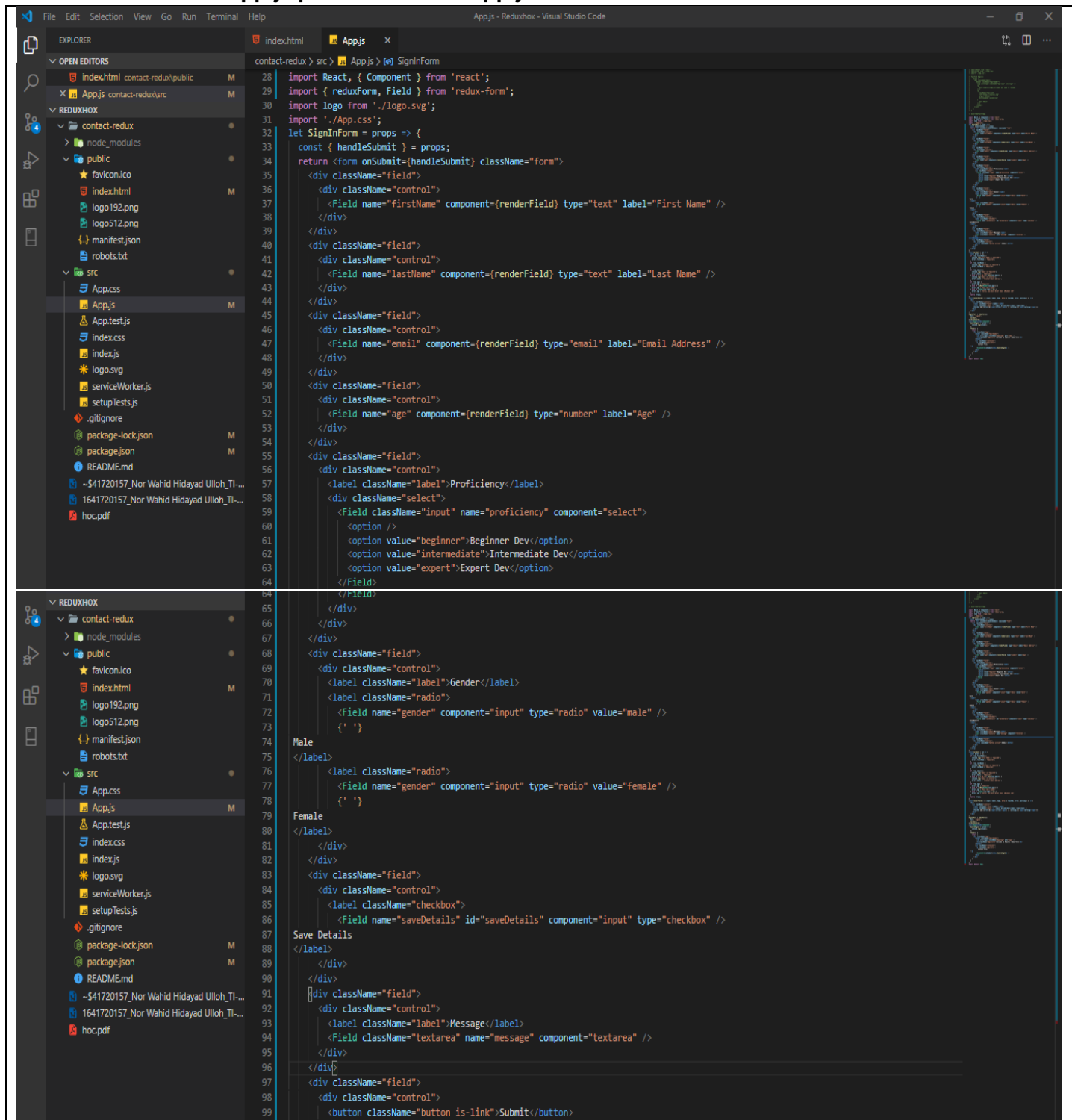
found 0 vulnerabilities

PS C:\Kuliah Semester6\PBF (Pak Dimas)\Reduxhox\contact-redux>
```

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



4. Ubah file 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>
        <div className="radio">
          <Field name="gender" component="input" type="radio" value="male" />
          <div>Male</div>
          <div></div>
          <label className="radio">
            <Field name="gender" component="input" type="radio" value="female" />
            <div>Female</div>
          </label>
        </div>
      </div>
    </div>
    <div className="field">
      <div className="control">
        <label className="checkbox">
          <Field name="saveDetails" id="saveDetails" component="input" type="checkbox" />
          <div>Save Details</div>
        </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>
}
```

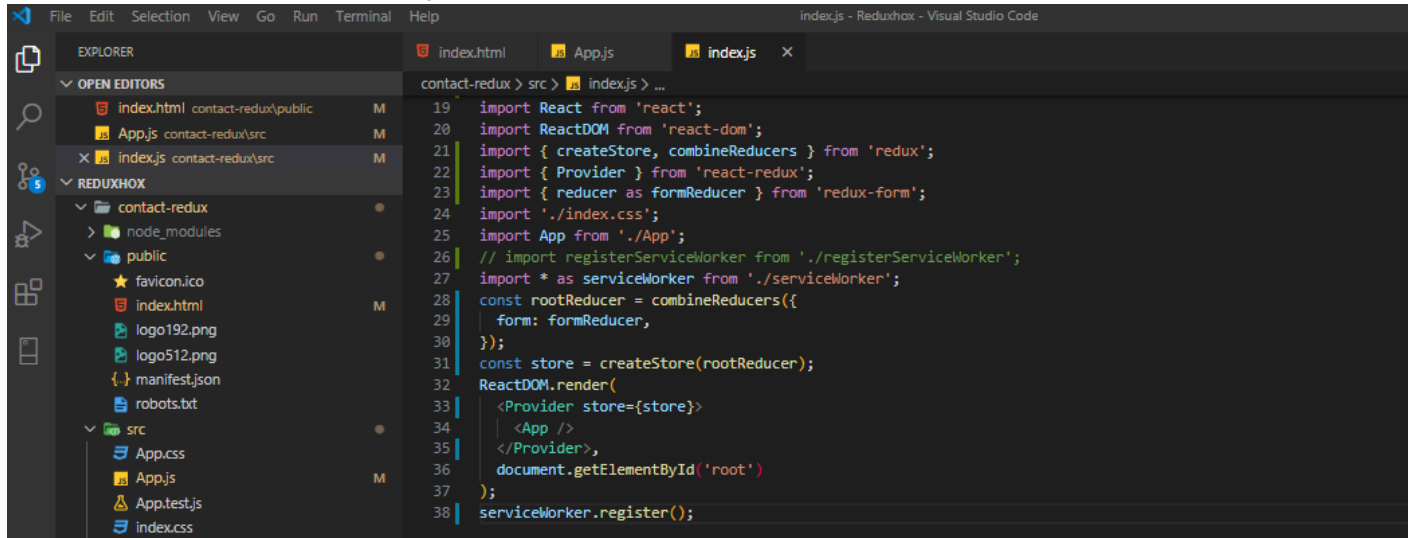
```
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App.js contact-redux/src M 100
REDUXHOX
contact-redux
node_modules
public
  favicon.ico
  index.html M 107
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src
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  index.css 115
  index.js 116
  logo.svg 117
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hoc.pdf 126

101 </div>
102 </div>
103 </form>;
104
105 const validate = val => {
106   const errors = {};
107   if (!val.firstName) {
108     console.log('First Name is required');
109     errors.firstName = 'Required';
110   }
111   if (!val.lastName) {
112     console.log('Last Name is required');
113     errors.lastName = 'Required';
114   }
115   if (!val.email) {
116     console.log('email is required');
117     errors.email = 'Required';
118   } else if (/^/.+@.+/i.test(val.email)) {
119     console.log('email is invalid');
120     errors.email = 'Invalid email address';
121   }
122   if (!val.age) {
123     errors.age = 'Required';
124   } else if (isNaN(Number(val.age))) {
125     errors.age = 'Must be a number';
126   } else if (Number(val.age) < 18) {
127     errors.age = 'Sorry, you must be at least 18 years old';
128   }
129   return errors;
130 }
131 const renderField = ({ input, label, type, meta: { touched, error, warning } }) => (
132   <div>
133     <div className="control">
134       <label className="field"><label></label>
135       <input className="input" {...input} placeholder={label} type={type} />
136       {touched && (error && <span>{error}</span>) || (warning && <span>{warning}</span>)}
137     </div>
138   </div>
139 )
140
141 SignInForm = reduxForm({
142   form: 'signIn',
143   validate,
144 })(SignInForm);
145
146 class App extends Component {
147   handleSignIn = values => {
148     console.log(values);
149   };
150   render() {
151     return (
152       <div className="App">
153         <header className="App-header">
154           <img src={logo} className="App-logo" alt="logo" />
155           <h1 className="App-title">Welcome to React x redux-form</h1>
156         </header>
157         <div className="container">
158           <p className="App-intro">
159             Contact Form
160           </p>
161           <SignInForm onSubmit={this.handleSignIn} />
162         </div>
163       </div>
164     );
165   }
166 }
167 export default App;
```

```
index.html contact-redux/public M 136
App.js contact-redux/src M 137
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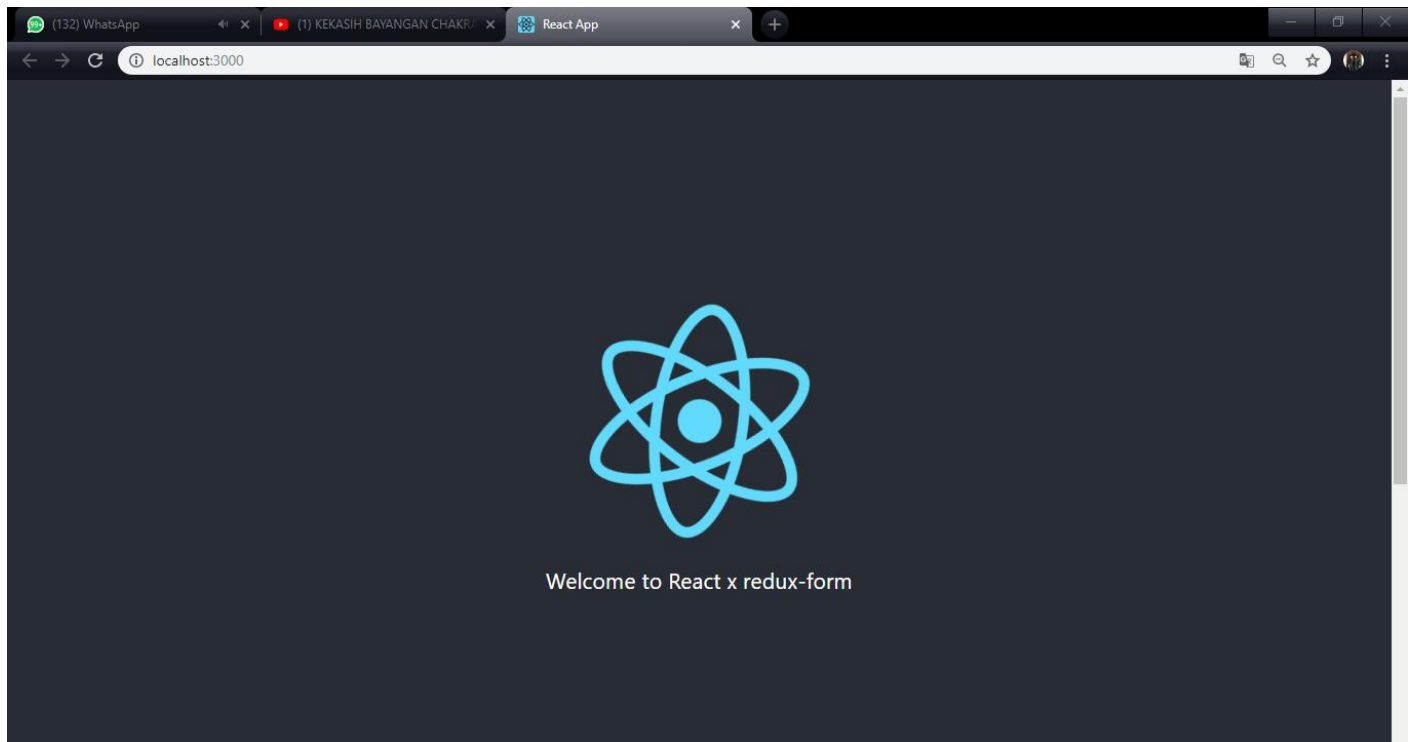
136 </div>
137 </div>
138 )
139
140 SignInForm = reduxForm({
141   form: 'signIn',
142   validate,
143 })(SignInForm);
144
145 class App extends Component {
146   handleSignIn = values => {
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150     return (
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155         </header>
156         <div className="container">
157           <p className="App-intro">
158             Contact Form
159           </p>
160           <SignInForm onSubmit={this.handleSignIn} />
161         </div>
162       </div>
163     );
164   }
165 }
166 export default App;
```

5. Ubah file /src/index.js



```
19 import React from 'react';
20 import ReactDOM from 'react-dom';
21 import { createStore, combineReducers } from 'redux';
22 import { Provider } from 'react-redux';
23 import { reducer as formReducer } from 'redux-form';
24 import './index.css';
25 import App from './App';
26 // import registerServiceWorker from './registerServiceWorker';
27 import * as serviceWorker from './serviceWorker';
28 const rootReducer = combineReducers({
29   form: formReducer,
30 });
31 const store = createStore(rootReducer);
32 ReactDOM.render(
33   <Provider store={store}>
34     <App />
35   </Provider>,
36   document.getElementById('root')
37 );
38 serviceWorker.register();
```

6. Hasil setelah di run



- **Kosong**

Contact Form

First Name
First Name
Required

Last Name
Last Name

Email Address
Email Address

Age
Age

Proficiency
▼

Gender
☐ Male ☐ Female

☐ Save Details

Message

Submit

- **Berisikan data**

Contact Form

First Name
wahid

Last Name
hidayat

Email Address
wahidhidayat3899@gmail.com

Age
21

Proficiency
Expert Dev ▼

Gender
☒ Male ☐ Female

☒ Save Details

Message
Hello [redux-hox](#)

Submit