

# LAPORAN TUGAS MINGGU 8

Disusun sebagai

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

Oleh:

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TI – 3B / 15



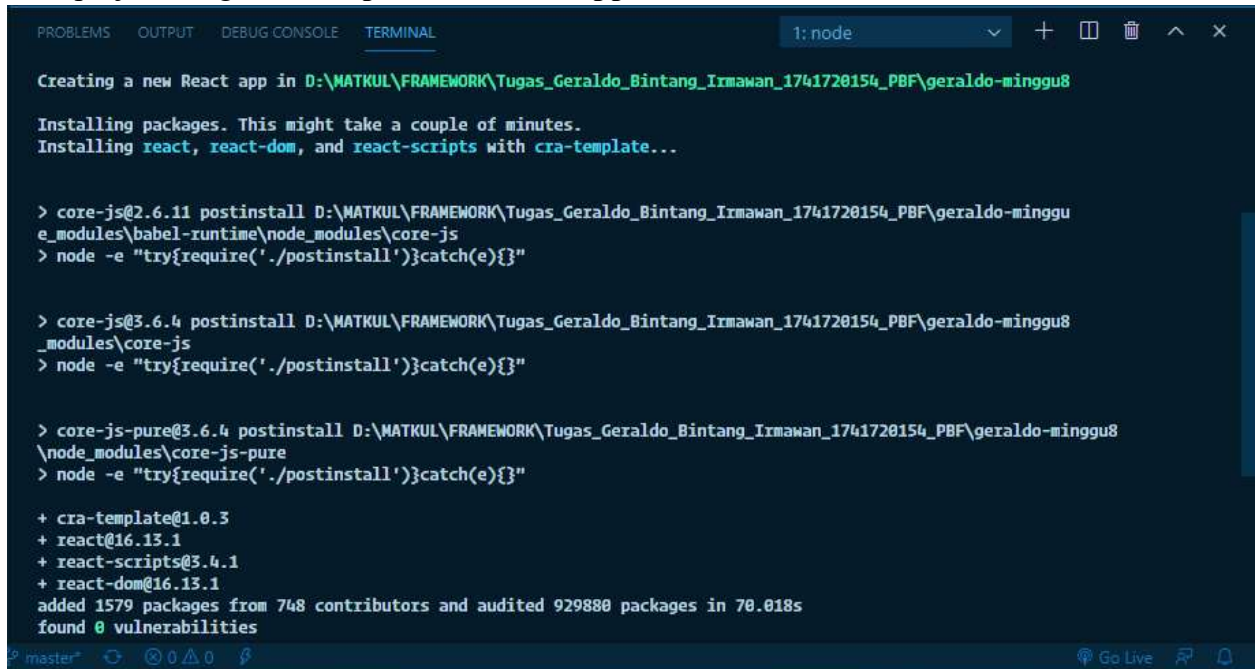
PROGRAM STUDI: D-IV TEKNIK INFORMATIKA

JURUSAN: TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

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



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node
Creating a new React app in D:\MATKUL\FRAMEWORK\Tugas_Geraldo_Bintang_Irmawan_1741720154_PBF\geraldo-minggu8
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:\MATKUL\FRAMEWORK\Tugas_Geraldo_Bintang_Irmawan_1741720154_PBF\geraldo-minggu8\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.6.4 postinstall D:\MATKUL\FRAMEWORK\Tugas_Geraldo_Bintang_Irmawan_1741720154_PBF\geraldo-minggu8\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js-pure@3.6.4 postinstall D:\MATKUL\FRAMEWORK\Tugas_Geraldo_Bintang_Irmawan_1741720154_PBF\geraldo-minggu8\node_modules\core-js-pure
> node -e "try{require('./postinstall')}catch(e){}"

+ cra-template@1.0.3
+ react@16.13.1
+ react-scripts@3.4.1
+ react-dom@16.13.1
added 1579 packages from 748 contributors and audited 929880 packages in 70.018s
found 0 vulnerabilities

master 0 0 0
```

2. Install secara global dependencies **'create-react-app'**

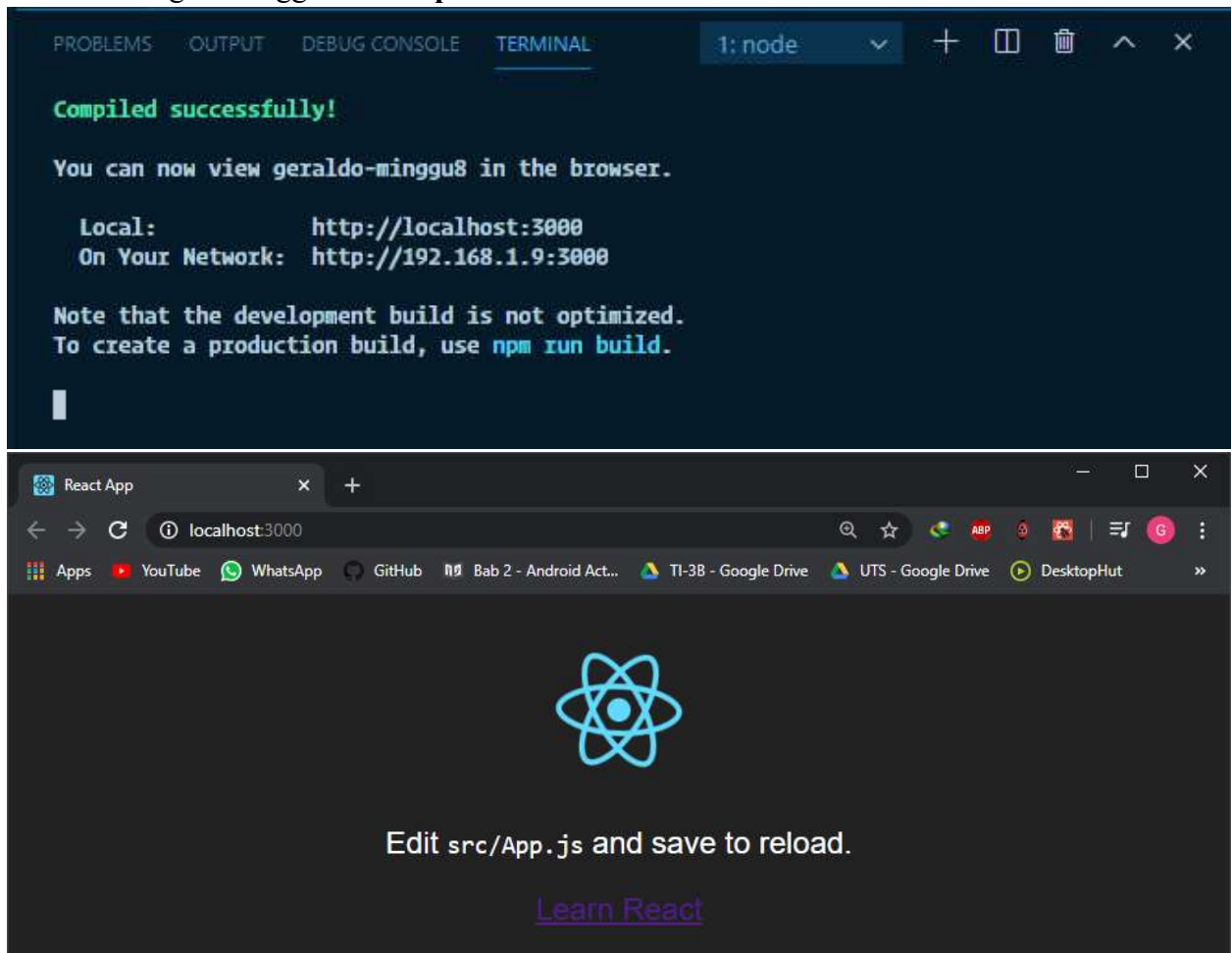


```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

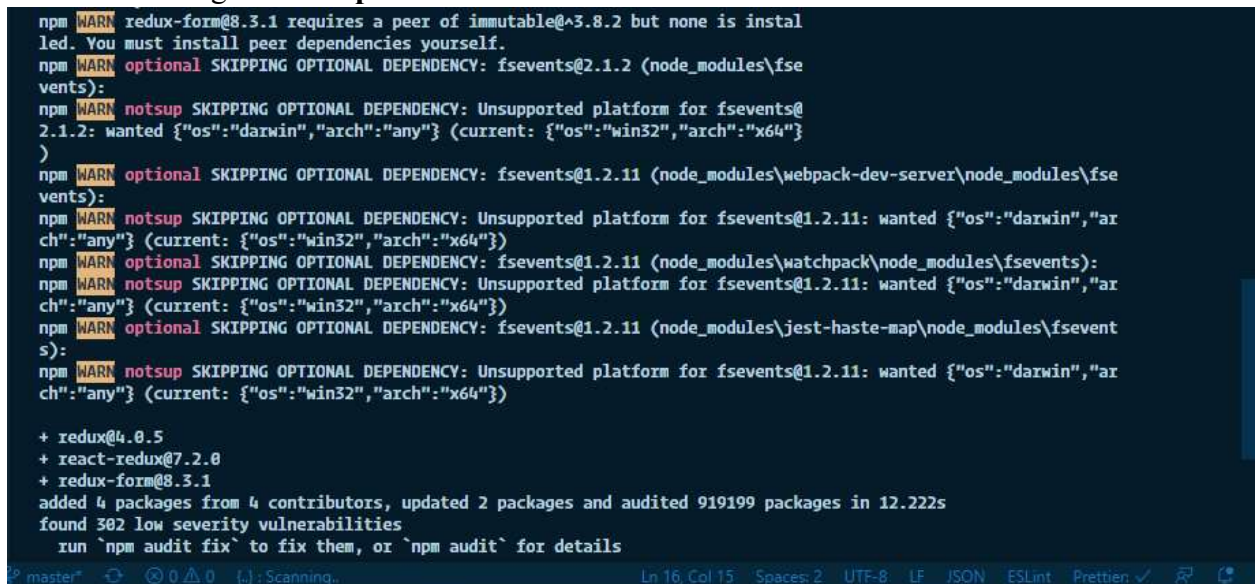
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\MATKUL\FRAMEWORK\Tugas_Geraldo_Bintang_Irmawan_1741720154_PBF\geraldo-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 surface has changed to use Promises in 1.x.)
C:\Users\user\AppData\Roaming\npm\create-react-app -> C:\Users\user\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@3.4.1
updated 8 packages in 4.861s
```

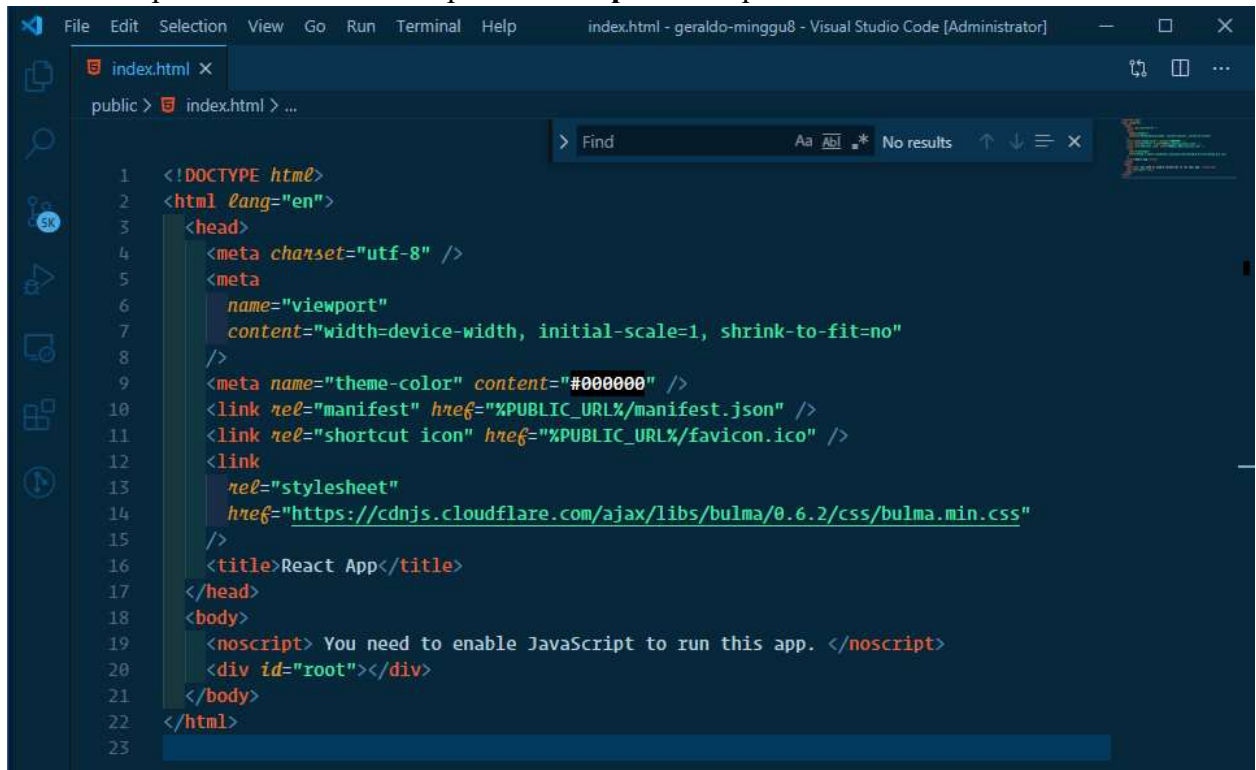
3. Jalankan dengan menggunakan 'npm start'



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

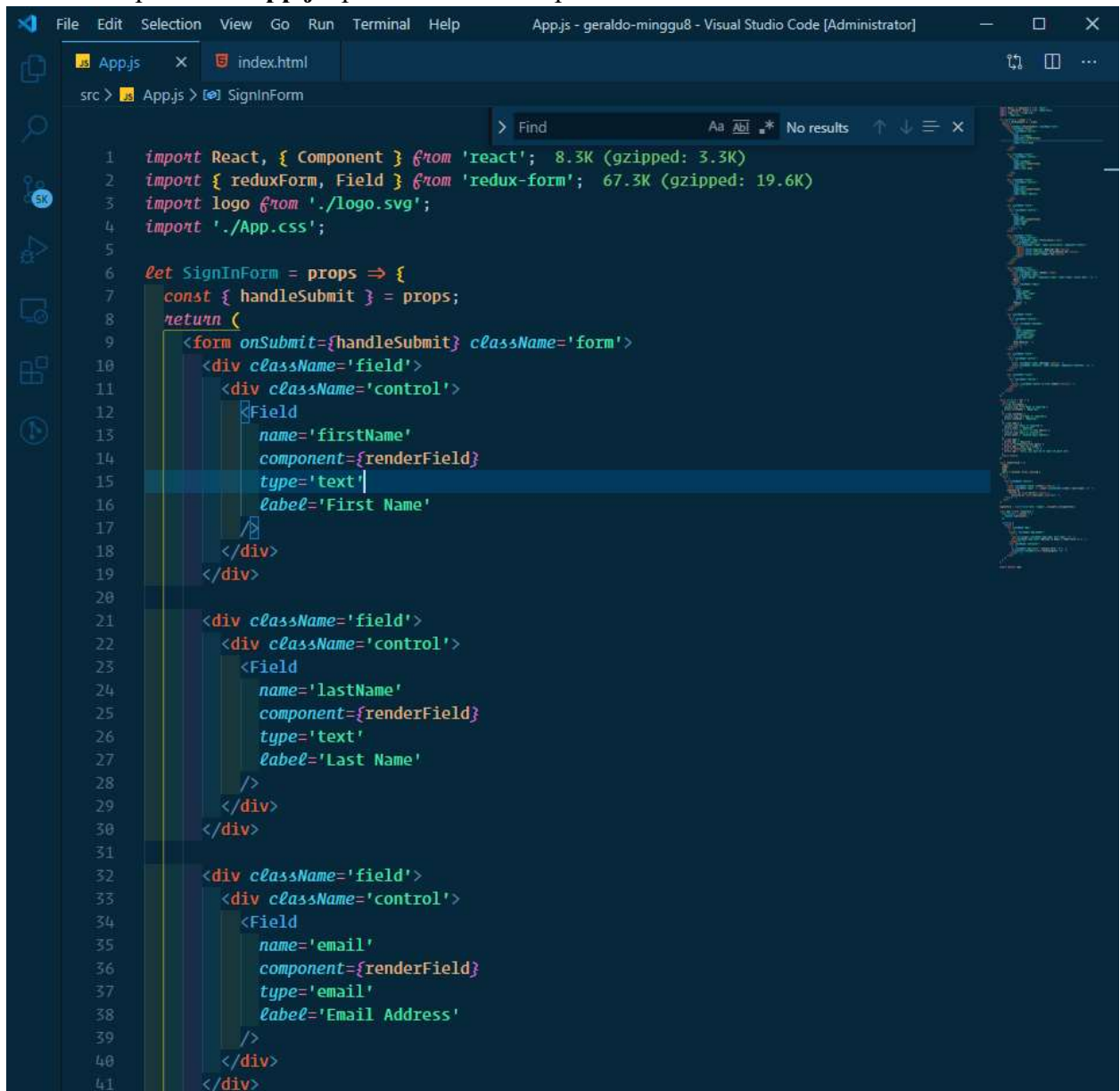


5. Ubah code pada file 'index.html' pada folder 'public' seperti berikut



```
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
```

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



```
File Edit Selection View Go Run Terminal Help App.js - geraldminggu8 - Visual Studio Code [Administrator]
App.js x index.html
src > App.js > SignInForm
Find Aa Abi No results
1 import React, { Component } from 'react'; 8.3K (gzipped: 3.3K)
2 import { reduxForm, Field } from 'redux-form'; 67.3K (gzipped: 19.6K)
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          />
18        </div>
19      </div>
20
21      <div className='field'>
22        <div className='control'>
23          <Field
24            name='lastName'
25            component={renderField}
26            type='text'
27            label='Last Name'
28          />
29        </div>
30      </div>
31
32      <div className='field'>
33        <div className='control'>
34          <Field
35            name='email'
36            component={renderField}
37            type='email'
38            label='Email Address'
39          />
40        </div>
41      </div>
```



```
42
43 <div className='field'>
44   { ' '}
45   <div className='control'>
46     { ' '}
47     <Field
48       name='age'
49       component={renderField}
50       type='number'
51       label='Age'
52     />{ ' '}
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       Male{ ' '}
76     </label>
77     <label className='radio'>
78       { ' '}
79       <Field
80         name='gender'
81         component='input'
82         type='radio'
83         value='female'
84       />{ ' '}
```

```
85         Female{' '}
86       </label>
87     </div>
88   </div>
89
90   <div className='field'>
91     {' '}
92     <div className='control'>
93       {' '}
94       <label className='checkbox'>
95         {' '}
96         <Field
97           name='saveDetails'
98           id='saveDetails'
99           component='input'
100          type='checkbox'
101        />{' '}
102        Save Details{' '}
103      </label>{' '}
104    </div>{' '}
105  </div>
106
107  <div className='field'>
108    {' '}
109    <div className='control'>
110      {' '}
111      <label className='label'>Message</label>{' '}
112      <Field className='textarea' name='message' component='textarea' />{' '}
113    </div>{' '}
114  </div>
115
116  <div className='field'>
117    {' '}
118    <div className='control'>
119      {' '}
120      <button className='button is-link'>Submit</button>{' '}
121    </div>{' '}
122  </div>
123 </form>
124 );
125 };
126
127 const validate = val => {
```

```
128 const errors = {};
129 if (!val.firstName) {
130   console.log('First Name is required');
131   errors.firstName = 'Required';
132 }
133 if (!val.lastName) {
134   console.log('Last Name is required');
135   errors.lastName = 'Required';
136 }
137 if (!val.email) {
138   console.log('email is required');
139   errors.email = 'Required';
140 } else if (!/^.+@.+$/.test(val.email)) {
141   console.log('email is invalid');
142   errors.email = 'Invalid email address';
143 }
144 if (!val.age) {
145   errors.age = 'Required';
146 } else if (isNaN(Number(val.age))) {
147   errors.age = 'Must be a number';
148 } else if (Number(val.age) < 18) {
149   errors.age = 'Sorry, you must be at least 18 years old';
150 }
151 return errors;
152 };
153
154 const renderField = ({
155   input,
156   label,
157   type,
158   meta: { touched, error, warning }
159 }) => (
160   <div>
161     { ' '}
162     <div className='control'>
163       { ' '}
164       <label className='field'>{label}</label>{ ' '}
165       <input className='input' {...input} placeholder={label} type={type} />{ ' '}
166       {touched &&
167         ((error && <span>{error}</span>) ||
168          (warning && <span>{warning}</span>))}{ ' '}
169     </div>{ ' '}
170   </div>
```

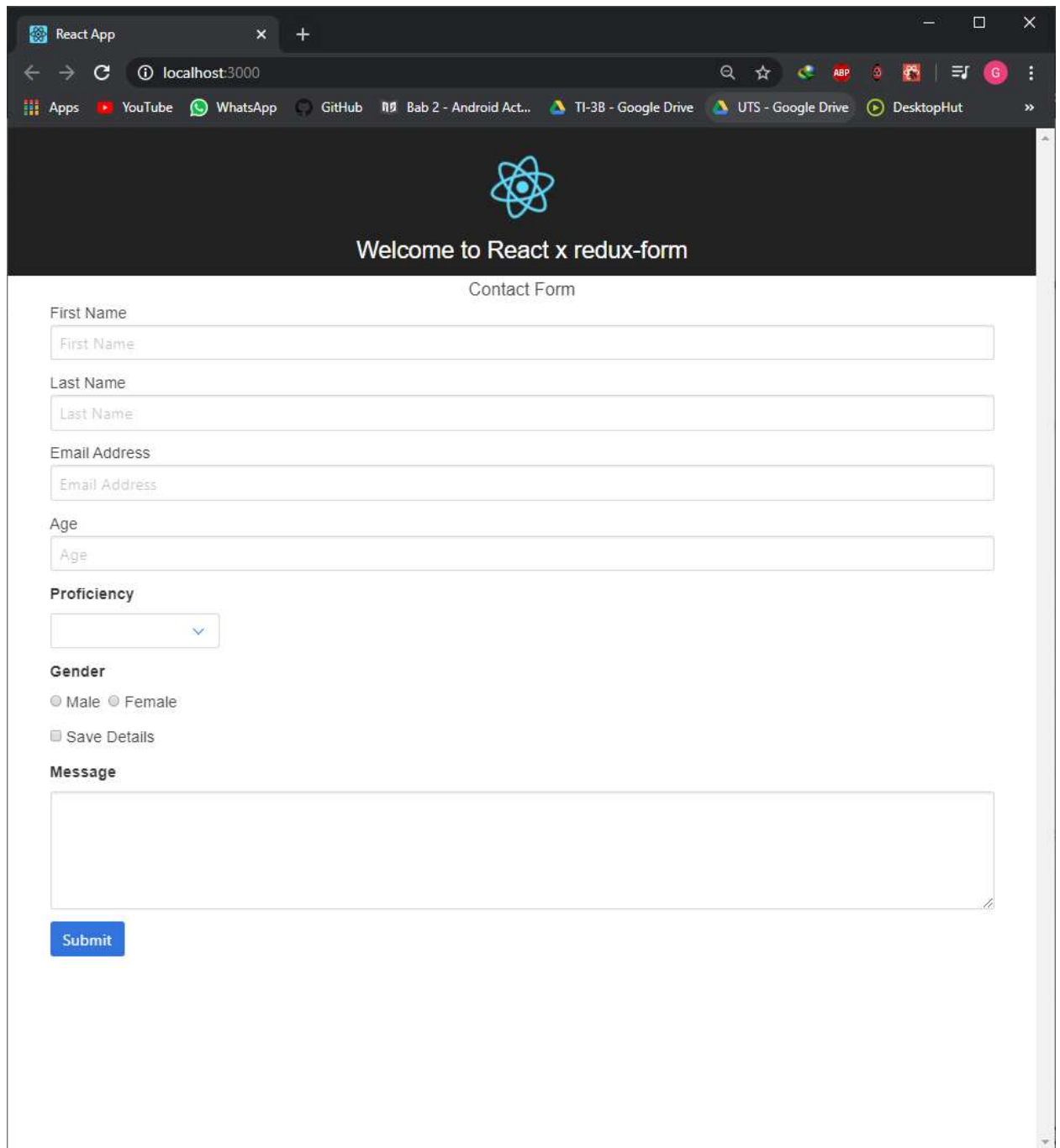


```
171 );
172
173 SignInForm = reduxForm({ form: 'signIn', validate })(SignInForm);
174
175 class App extends Component {
176   handleSignIn = values => {
177     console.log(values);
178   };
179
180   render() {
181     return (
182       <div className='App'>
183         { ' ' }
184         <header className='App-header'>
185           { ' ' }
186           <img src={logo} className='App-logo' alt='logo' />{ ' ' }
187           <h1 className='App-title'>Welcome to React x redux-form</h1>{ ' ' }
188         </header>{ ' ' }
189         <div className='container'>
190           { ' ' }
191           <p className='App-intro'>Contact Form </p>{ ' ' }
192           <SignInForm onSubmit={this.handleSignIn} />{ ' ' }
193         </div>{ ' ' }
194       </div>
195     );
196   }
197 }
198
199 export default App;
```

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

```
File Edit Selection View Go Run Terminal Help index.js - geraldminggu8 - Visual Studio Code [Administrator]
App.js index.js x index.html
src > index.js > ...
1 import React from 'react'; 8.3K (gzipped: 3.3K)
2 import ReactDOM from 'react-dom'; 120.9K (gzipped: 38.7K)
3
4 import { createStore, combineReducers } from 'redux'; 6K (gzipped: 2.3K)
5 import { Provider } from 'react-redux'; 13.2K (gzipped: 4.7K)
6 import { reducer as formReducer } from 'redux-form'; 28.7K (gzipped: 8.7K)
7
8 import './index.css';
9 import App from './App';
10 import registerServiceWorker from './registerServiceWorker';
11
12 const rootReducer = combineReducers({ form: formReducer });
13
14 const store = createStore(rootReducer);
15
16 ReactDOM.render(
17   <Provider store={store}>
18     { ' ' }
19     <App />{ ' ' }
20   </Provider>,
21   document.getElementById('root')
22 );
23
24 registerServiceWorker();
25
```

## 8. Hasil



The screenshot shows a web browser window with the title 'React App' and the address bar displaying 'localhost:3000'. The browser's address bar includes search, star, and refresh icons. Below the address bar, there are several bookmarks: 'Apps', 'YouTube', 'WhatsApp', 'GitHub', 'Bab 2 - Android Act...', 'TI-3B - Google Drive', 'UTS - Google Drive', and 'DesktopHut'. The main content area of the browser displays a dark header with the React logo and the text 'Welcome to React x redux-form'. Below the header, the title 'Contact Form' is centered. The form itself consists of several input fields: 'First Name', 'Last Name', 'Email Address', and 'Age'. Below these is a 'Proficiency' dropdown menu, followed by 'Gender' with radio buttons for 'Male' and 'Female'. There is also a checkbox labeled 'Save Details'. At the bottom of the form is a 'Message' text area and a blue 'Submit' button.

React App

localhost:3000

Apps YouTube WhatsApp GitHub Bab 2 - Android Act... TI-3B - Google Drive UTS - Google Drive DesktopHut

Welcome to React x redux-form

Contact Form

First Name

Last Name

Email Address

Age

Proficiency

Gender

Male Female

Save Details

Message

Submit

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

The screenshot displays a web browser window with a React application running on localhost:3000. The application features a contact form titled "Contact Form" with the following fields:

- First Name: Geraldo
- Last Name: Bintang Irmawan
- Email Address: geraldoarema87@gmail.com
- Age: 20
- Proficiency: Beginner Dev (selected from a dropdown)
- Gender: Male (selected via radio button)
- Save Details: ☒
- Message: TUGAS MINGGU 8

A blue "Submit" button is located at the bottom of the form. To the right of the browser window, the Chrome DevTools Console is open, showing the following JSON object logged to the console:

```
App.js:177
{firstName: "Geraldo", lastName: "Bintang Irmawan", email: "geraldoarema87@gmail.com", age: "20", proficiency: "beginner", ...}
```

The console log shows the object structure with properties: firstName, lastName, email, age, proficiency, gender, saveDetails, message, and \_\_proto\_\_.