

LAPORAN INDIVIDU



LAPORAN JOBSHEET MINGGU 8 (REDUX DAN HOC)

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

Disusun Oleh:

Achmad Satya Pradana

(1741720077)

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

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

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
      name="description"
      content="Web site created using create-react-app"
    />
    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />

    <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>
```

2. 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>
  </form>
}
```

```
42     </Field>
43   </div>
44 </div>
45 </div>
46
47 <div className="field">
48   <div className="control">
49     <label className="label">Gender</label>
50     <label className="radio">
51       <Field name="gender" component="input" type="radio" value="male"/>
52       {}
53       Male
54     </label>
55     <label className="radio">
56       <Field name="gender" component="input" type="radio" value="male"/>
57       {}
58       Female
59     </label>
60   </div>
61 </div>
62
63 <div className="field">
64   <div className="control">
65     <label className="checkbox">
66       <Field name="saveDetails" id="saveDetail" component="input" type="checkbox"/>
67       Save Details
68     </label>
69   </div>
70 </div>
71
72 <div className="field">
73   <div className="control">
74     <label className="label">Message</label>
75     <Field className="textarea" name="message" component="textarea"/>
76   </div>
77 </div>
78
79 <div className="field">
80   <div className="control">
81     <button className="button is-link">Submit</button>
82   </div>
```

```

83     </div>
84   </form>;
85 };
86
87 const validate = val=>{
88   const errors = {};
89   if(!val.firstName){
90     console.log('First Name is required');
91     errors.firstName = 'Required';
92   }
93   if(!val.lastName){
94     console.log('Last Name is required');
95     errors.lastName = 'Required';
96   }
97   if(!val.email){
98     console.log('email is required');
99     errors.email = 'Required';
100  } else if (!/^.+@.+$/.test(val.email)) {
101    console.log('email is invalid');
102    errors.email = 'Invalid email address';
103  }
104   if(!val.age){
105     errors.age = 'Required'
106   }else if(isNaN(Number(val.age))){
107     errors.age = 'Must be a number'
108   }else if(Number(val.age)<18){
109     errors.age = 'Sorry, you must be at least 18 years old'
110   }
111   return errors;
112 };
113
114 const renderField = ({input, label, type, meta:{touched,error,warning}})=>{
115   <div>
116     <div className="control">
117       <label className="field">{label}</label>
118       <input className="input"{...input} placeholder={label}type={type}/>
119       {touched &&((error && <span>{error}</span>)|| (warning && <span>{warning}</span>))}
120     </div>
121   </div>
122 )

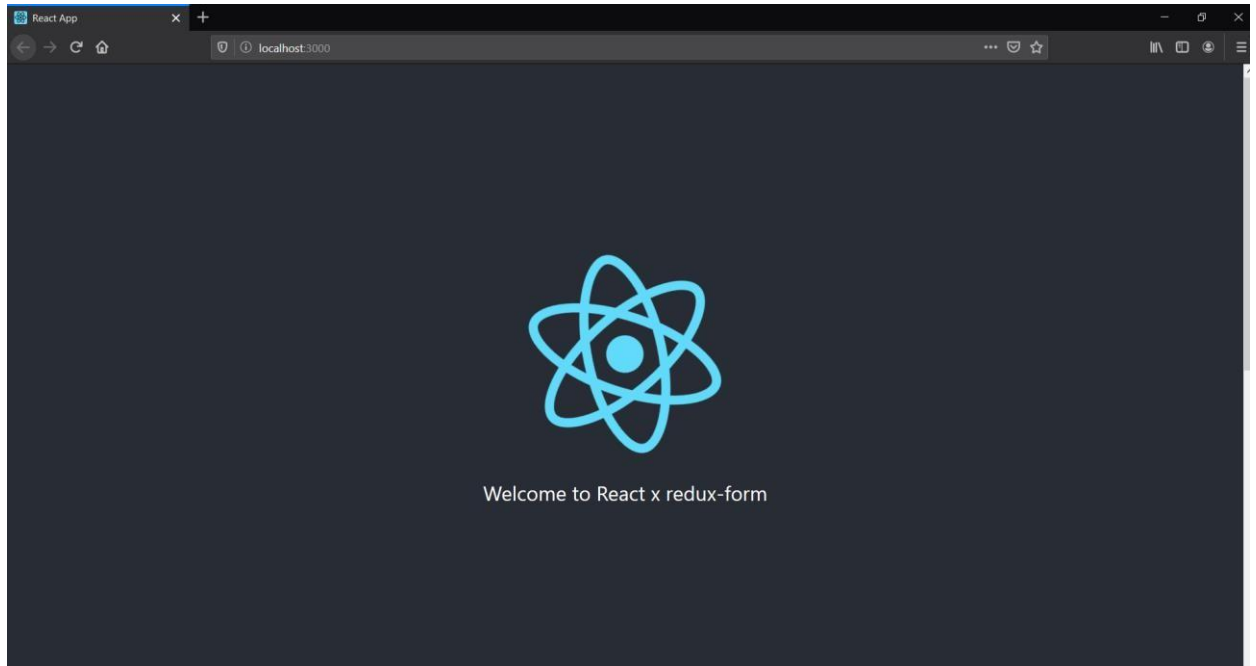
```

```
123
124   SignInForm = reduxForm({
125     form: 'signIn',
126     validate,
127   })(SignInForm);
128
129   class App extends Component{
130
131     handleSignIn = values => {
132       console.log(values);
133     };
134
135     render(){
136       return(
137         <div className="App">
138           <header className="App-header">
139             <img src={logo}className="App-logo" alt="logo"/>
140             <h1 className="App-title">Welcome to React x redux-form</h1>
141           </header>
142           <div className="container">
143             <p className="App-intro">
144               Contact Form
145             </p>
146             <SignInForm onSubmit={this.handleSignIn}/>
147           </div>
148         </div>
149       );
150     }
151   }
152
153   export default App;
```

3. Ubah file /src/index.js

```
1  import React from 'react';
2  import ReactDOM from 'react-dom';
3
4
5  import { createStore, combineReducers } from 'redux';
6  import { Provider } from 'react-redux';
7  import { reducer as formReducer } from 'redux-form';
8
9  import './index.css';
10 import App from './App';
11 import * as serviceWorker from './serviceWorker';
12
13 const rootReducer = combineReducers({
14   form: formReducer,
15 });
16
17 const store = createStore(rootReducer);
18
19 ReactDOM.render(
20   <Provider store={store}>
21     <App />
22   </Provider>,
23   document.getElementById('root')
24 );
25
26
27 serviceWorker.unregister();
```

4. Run Hasil



First Name

Satya

Last Name

Pradana

Email Address

satyapradana90@gmail.com

Age

22

Proficiency

Expert Dev

Gender

☒ Male ☐ Female

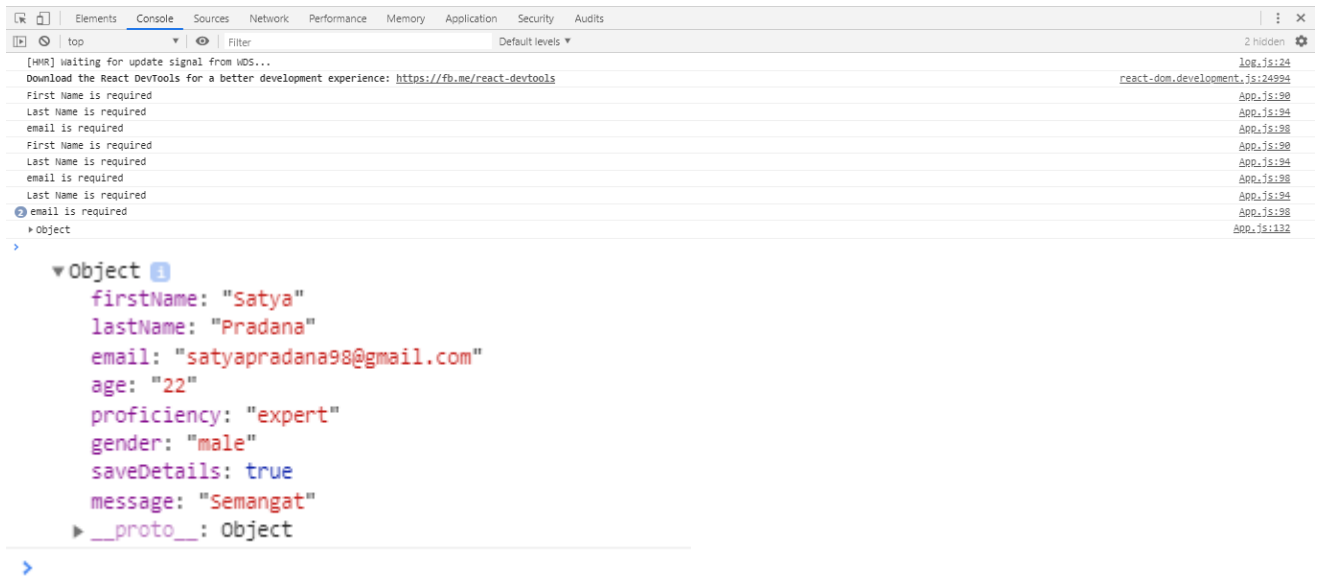
☒ Save Details

Message

Semangat

Submit

Hasil ketika button submit diklik



The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. The top bar indicates 'top' and 'Filter'. The console log shows several messages, including a warning about a missing update signal and a series of 'email is required' messages. The last message is expanded, showing an object with the following properties:

```
Object {
  firstName: "Satya",
  lastName: "Pradana",
  email: "satyapradana98@gmail.com",
  age: "22",
  proficiency: "expert",
  gender: "male",
  saveDetails: true,
  message: "Semangat",
  __proto__: Object
}
```