LAPORAN MATA KULIAH
PEMROGAMAN BERBASIS FRAMEWORK
" MODUL 7 "

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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Index.html

```html
<!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>
```

App.js

```jsx
import React, {Component} from 'react';
import {reduxForm, Field} from 'redux-form';
import logo from './logo.svg';
import './App.css';
import { render } from '@testing-library/react';
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">Profiency</label>
        <div className="select">
          <Field className="input" name="profiency" 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">
```

```jsx
                    <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('Fitst 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 (!/^.+@.+$/i.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="contol">
      <label className="field">{label}</label>
      <input type={type} placeholder={label} className="input" {...input}/>
      {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} alt="logo" className="App-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;
```

Index.js

```javascript
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();
```

Hasil

Welcome to React x redux-form

Contact Form

First Name

ivan

Last Name

crisnanda

Email Address

ivancrisnanda1@gmail.com

Age

21

Profiency

Beginner Dev

Gender

●Male ○Female

☑Save Details

Message

Hello!

Submit