

TUGAS PERORANGAN

Laporan Modul

Redux dan HOC

Oleh:

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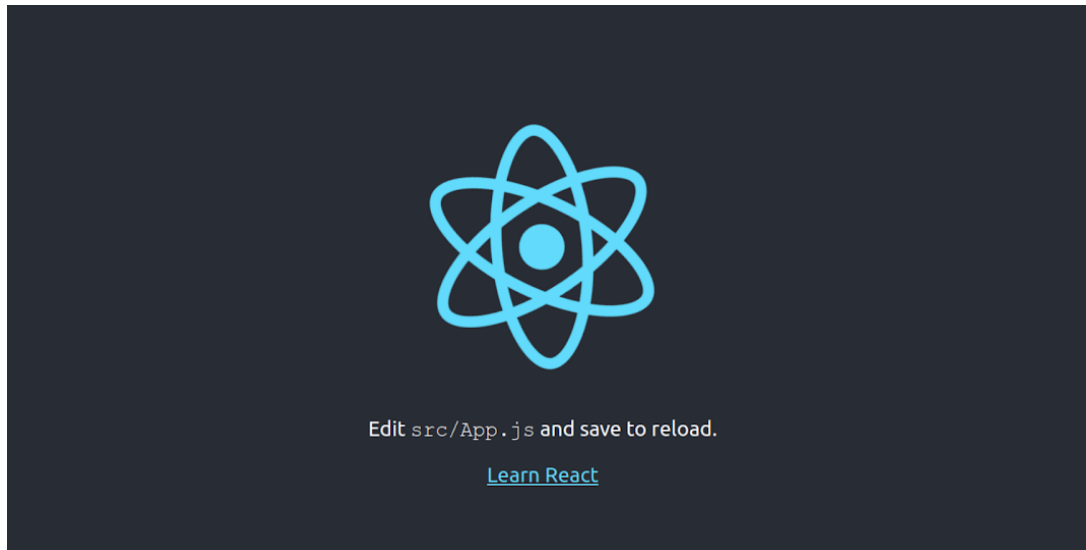
PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

1. Tampilan awal



2. Install `redux` dan `redux-form`

```
kabael@CkBlit:~/Documents/KULIAH/SMT6/PF/redux-hoc(master)$ yarn add --save redux react-redux redux-form
yarn add v1.16.0
[1/4] Resolving packages...
[2/4] Fetching packages...
info fsevents@2.1.2: The platform "linux" is incompatible with this module.
info "fsevents@2.1.2" is an optional dependency and failed compatibility check. Excluding it from installation.
info fsevents@2.1.2: The engine "node" is incompatible with this module. Expected version "^8.16.0 || ^10.6.0 || >=11.0.0". Got "8.12.0"
info fsevents@1.2.11: The platform "linux" is incompatible with this module.
info "fsevents@1.2.11" is an optional dependency and failed compatibility check. Excluding it from installation.
[3/4] Linking dependencies...
warning " > @testing-library/user-event@7.2.1" has unmet peer dependency "@testing-library/dom@>=5".
warning "react-scripts > @typescript-eslint/eslint-plugin > tsutils@3.17.1" has unmet peer dependency "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".
warning " > react-redux@7.2.0" has unmet peer dependency "redux@^2.0.0 || ^3.0.0 || ^4.0.0-0".
warning " > redux-form@8.3.1" has unmet peer dependency "redux@^3.0.0 || ^4.0.0".
warning " > redux-form@8.3.1" has unmet peer dependency "immutable@^3.8.2".
[4/4] Building fresh packages...

success Saved 2 new dependencies.
info Direct dependencies
├─ react-redux@7.2.0
└─ redux-form@8.3.1
info All dependencies
├─ react-redux@7.2.0
└─ redux-form@8.3.1
Done in 9.42s.
kabael@CkBlit:~/Documents/KULIAH/SMT6/PF/redux-hoc(master)$
```

3. Tambah dependency Bulma pada header file index.html di folder public.

```
<link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.8.0/css/bulma.min.css">
<script defer src="https://use.fontawesome.com/releases/v5.3.1/js/all.js"></script>
<title>React App</title>
```

4. Penyesuaian Form

```
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="text"
label="Email"></Field>
      </div>
    </div>

    <div className="field">
      <div className="control">
        <Field name="age" component={renderField} type="text"
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</option>
        <option value="intermediate">Intermediate</option>
        <option value="expert">Expert</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">
      <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>
  </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>
}

```

5. Penyesuaian Validator

```

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;
};

```

6. Render Form bersama Validator

```

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
className="has-text-danger">{error}</span>) || (warning &&
<span>{warning}</span>))}
    </div>
  </div>
)

SignInForm = reduxForm({
  form: 'signIn',
  validate,
})(SignInForm);

```

7. Penyesuaian file index.js

```
import { createStore, combineReducers } from 'redux';
import { Provider } from 'react-redux';
import { reducer as formReducer } from 'redux-form';

const rootReducer = combineReducers({
  form: formReducer,
});

const store = createStore(rootReducer);

ReactDOM.render(
  <Provider store={ store }>
    <App/>
  </Provider>,
  document.getElementById('root')
);
```


8. Penyesuaian CSS

```
.App-logo {
  height: 7vmin;
  pointer-events: none;
}

.App-header {
  background-color: #282c34;
  /* min-height: 100vh; */
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
  margin-bottom: 40px;
```

```
padding: 20px;  
}
```

9. Tampilan akhir.



Contact Form

First Name

First Name

Required

Last Name

Last Name

Required

Email

asdasd

Invalid email address

Age

6

Sorry, you must be at least 18 years old

Proficiency

▼

Gender

☐ Male ☐ Female

☐ Save Details

Message

Submit