

LAPORAN TUGAS MINGGU KE 7

Disusun sebagai

MATA KULIAH : Pemograman berbasis framework

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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Buat dan install redux

```
npx create-react-app contact-redux npm install -g create-react-app create-react-app contact-redux  
npm start
```

Install Form

```
npm install --save redux react-redux redux-form
```

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>
        <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 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('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 (!/^.+@.+$/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="control">

```

```

        <label className="field">{label}</label>
        <input className="input" {...input} placeholder={label} type={type}/>
        {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} className="App-logo" alt="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;

```

Ubah file /src/index.js

```

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.js';

```

```

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

const store = createStore(rootReducer);

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

serviceWorker.register();

```

Running hasilnya dan buatlah laporan

The screenshot shows a web browser window with the address bar set to 'localhost'. The browser has two tabs: 'WhatsApp' and 'React App'. The 'React App' tab is active, displaying a contact form titled 'Contact Form'. The form contains the following elements:

- First Name:** A text input field with the placeholder text 'First Name'.
- Last Name:** A text input field with the placeholder text 'Last Name'.
- Email Address:** A text input field with the placeholder text 'Email Address'.
- Age:** A text input field with the placeholder text 'Age' and a clear button (X) on the right.
- Proficiency:** A dropdown menu with a blue arrow icon.
- Gender:** Two radio buttons labeled 'Male' and 'Female'.
- Save Details:** A checkbox.
- Message:** A large text area for entering a message.
- Submit:** A blue button with the text 'Submit'.