LAPORAN INDIVIDU

LAPORAN JOBSHEET MINGGU 8
(REDUX DAN HOC)

MATA KULIAH:
PEMROGRAMAN BERBASIS FRAMEWORK

Disusun Oleh:

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

1. Buat dan install redux

   a. npx create-react-app contact-redux

   ```
   Terminate batch job (Y/N)? y
   D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>npx create-react-app contact-redux

   Creating a new React app in D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8\contact-redux
   .

   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:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8\contact-redu
   x\node_modules\babel-runtime\node_modules\core-js
   > node -e "try{require('./postinstall')}catch(e){}"
   ```

   b. npm install -g create-react-app

   ```
   D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-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 s
   urface has changed to use Promises in 1.x.)
   C:\Users\Yessy Nindi Pratiwi\AppData\Roaming\npm\create-react-app -> C:\Users\Yessy Nindi Pratiwi\AppData\Roaming\npm\node_modules\cre
   ate-react-app\index.js
   + create-react-app@3.4.1
   updated 1 package in 7.043s

   D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
   ```

   c. create-react-app contact-redux

   ```
   D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>create-react-app contact-redux
   The directory contact-redux contains files that could conflict:

     node_modules/
     package-lock.json
     package.json
     public/
     src/

   Either try using a new directory name, or remove the files listed above.

   D:\AKAMPUS\PEMROGRAMAN BERBASIS FRAMEWORK\Tugas_Yessy-Nindi-P_1741720105_PBF\yessynp-minggu8>
   ```

   d. npm start

   ```
   PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

   Compiled successfully!

   You can now view yessynp-minggu8 in the browser.

     Local:            http://localhost:3000
     On Your Network:  http://192.168.1.34:3000

   Note that the development build is not optimized.
   To create a production build, use npm run build.
   ```

2. Install Form npm install --save redux react-redux redux-form

3. Ubah file index.html pada folder /public/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>
```

4. Ubah file App.js pada folder /src/App.js

```jsx
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>
```

```jsx
        <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>
```

```jsx
        <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;
  };
```

```
139    const renderField = ({
140      input,
141      label,
142      type,
143      meta: { touched, error, warning }
144    }) => (
145      <div>
146        {" "}
147        <div className="control">
148          {" "}
149          <label className="field">{label}</label>{" "}
150          <input className="input" {...input} placeholder={label} type={type} />{" "}
151          {touched &&
152            ((error && <span>{error}</span>) ||
153              (warning && <span>{warning}</span>))}{" "}
154        </div>{" "}
155      </div>
156    );
157    SignInForm = reduxForm({ form: "signIn", validate })(SignInForm);
158
159    class App extends Component {
160      handleSignIn = values => {
161        console.log(values);
162      };
163
164      render() {
165        return (
166          <div className="App">
167            {" "}
168            <header className="App-header">
169              {" "}
170              <img src={logo} className="App-logo" alt="logo" />{" "}
171              <h1 className="App-title">Welcome to React x redux-form</h1>{" "}
172            </header>{" "}
173            <div className="container">
174              {" "}
175              <p className="App-intro"> Contact Form </p>{" "}
176              <SignInForm onSubmit={this.handleSignIn} />{" "}
177            </div>{" "}
178          </div>
179        );
180      }
181    }
182
183    export default App;
```
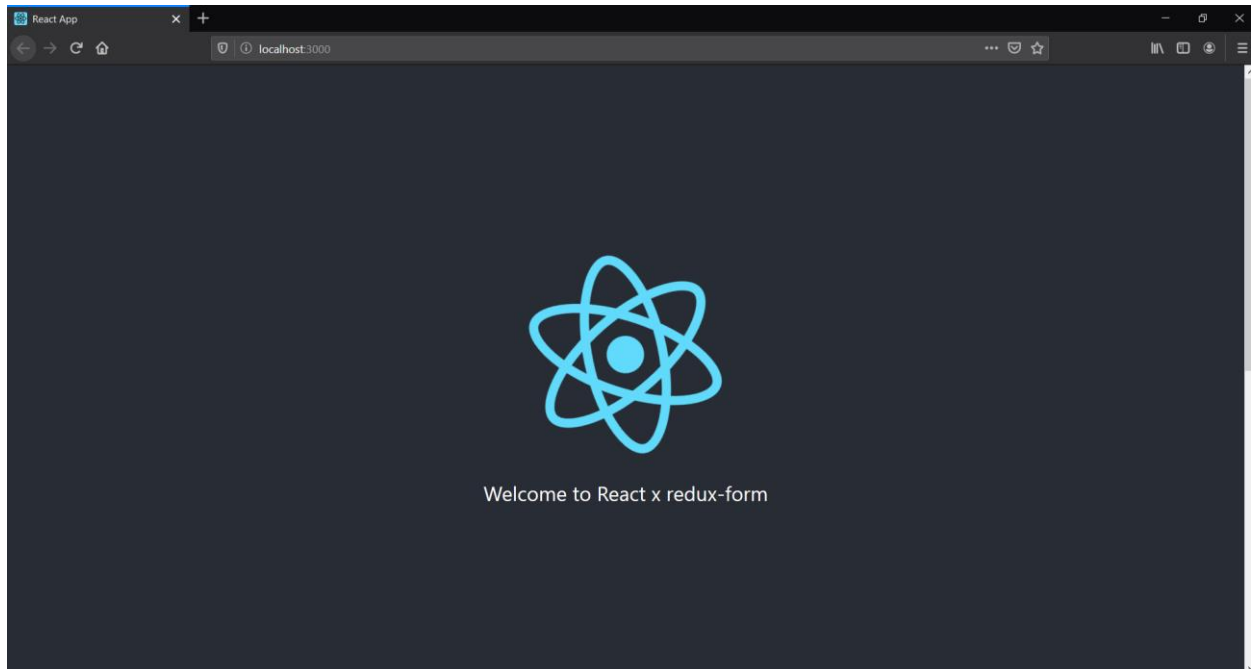
5. Ubah file /src/index.js

```
index.html    JS App.js    JS index.js    ×

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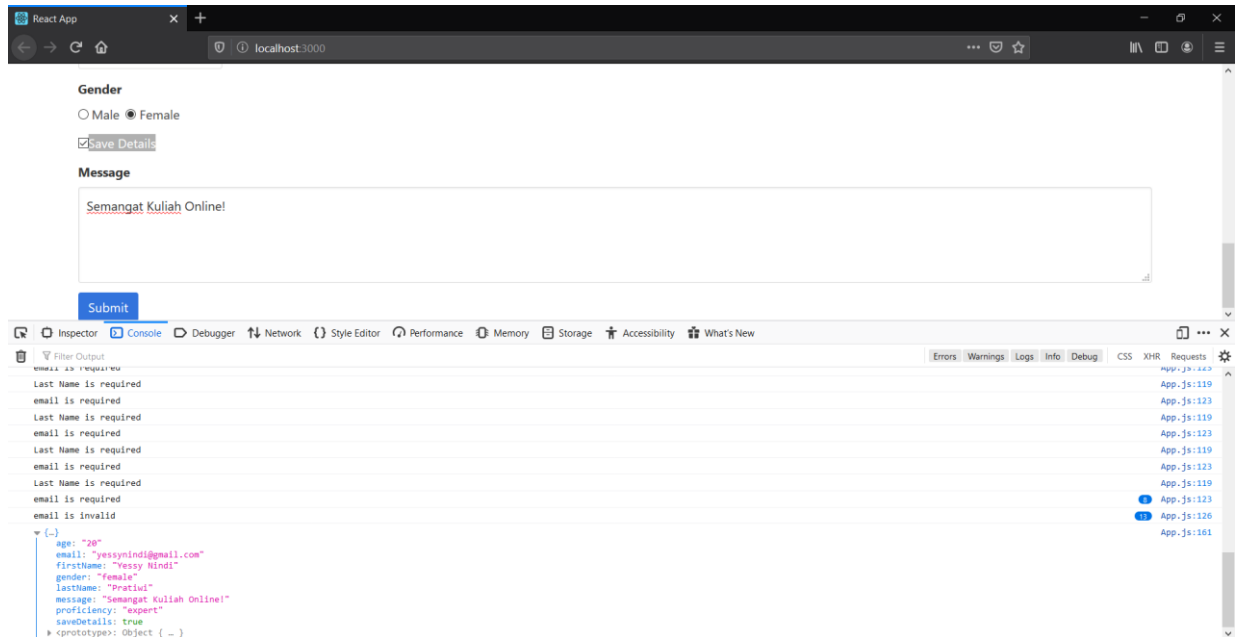
6. Run Hasil

Hasil ketika button submit diklik