LAPORAN PRAKTIKUM PEMROGRAMAN BERBASIS FRAMEWORK

Pertemuan Minggu-6

Modul 6 – Redux



NAMA : DINA RISKY ALIN SAPUTRI

NIM : 1841720016

KELAS : 3F

PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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Praktikum

Langkah Praktikum

Langkah	Keterangan
Langkah	Buat project baru setelah itu lakukan instalasi react (npminstall), kita perlu menambahkan install library independent yang dibutuhkan dengan menambahkan syntax npm install — save redux react-redux PS C:\Users
	npm MARI optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\fsevents): npm MARI optional SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin", "arch":"any"} (current: {"os":"win32"," arch":"x6d"}) npm MARI optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\webpack-dev-server\node_modules\fsevents): npm MARI optional SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin", "arch":"any"} (current: {"os":"win32", "arch":"x6d"}) npm MARI optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\watchpack-chokidar2\node_modules\fsevents): npm MARI optional SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin", "arch":"any"} (current: {"os":"win32", "arch":"x6d"}) + react-redux@7.2.2
	+ redux@4.0.5 added 4 packages from 3 contributors and audited 1954 packages in 21.34s 133 packages are looking for funding run `npm fund' for details found 0 vulnerabilities PS C:\Users\ASUS\Pemrograman-Framework\minggu6\redux-dina> []
2	Kemudian Buat Folder dalam src yaitu actions

```
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                                                            中になり自

✓ redux-dina

                                         > public
                                          actions
            Beri nama actionCreator.js
              redux-dina > src > actions > JS actionCreator.js > [❷] toggleTodo > \( \mathcal{D} \) type
                     import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO, SET_VISIBILITY_FILTER } from
                         './actionsTypes'
                     let TodoId = 2
                     export const addTodo = text => ({
                          type: ADD_TODO,
                          id: TodoId++,
                         text
                     export const deleteTodo = (id) => ({
3
                          type: REMOVE_TODO,
                          id: id
                     export const toggleTodo = (id) => ({
                          type: TOGGLE_TODO,
                14
                     export const setVisibilityFilter = filter => ({
                          type: SET_VISIBILITY_FILTER,
                          filter
            Masih dalam Folder actions buatlah file actionsTypes.js
               redux-dina > src > actions > J5 actionsTypes.js > [ø] SET_VISIBILITY_FILTER
                      export const ADD_TODO = 'ADD_TODO'
                      export const TOGGLE_TODO = 'TOGGLE_TODO'
                      export const REMOVE_TODO = 'REMOVE_TODO'
                      export const SHOW_ALL = 'SHOW_ALL'
                      export const SHOW COMPLETED = 'SHOW COMPLETED'
                      export const SHOW_ACTIVE = 'SHOW_ACTIVE'
4
                      export const SET_VISIBILITY_FILTER = 'SET_VISIBILITY_FILTER'
            Kemudian dalam folder src buatlah folder dengan nama containers dan buatlah file
5
```

dengan judul CreateTodo.js

```
import React, { Component } from 'react
import { connect } from 'react-redux'
import { addTodo } from '../actions/actionCreator'
import { bindActionCreators } from 'redux'
    constructor(props) {
          super(props)
          this.state = {
           this.onChangeTodoText = this.onChangeTodoText.bind(this)
     onChangeTodoText(e) {
          this.setState({
               todotext: e.target.value
     render() {
               <div className="form-group row">
                     <div className="col-sm-10";</pre>
                           <input onChange={this.onChangeTodoText} value={this.state.todotext}</pre>
                          type="text" className="form-control" id="input:mail3" placeholder="add todo here" />
button type="button" onClick={() => this.setState({ todotext: '' })}
style={{ marginTop: "25px", marginRight: "15px" }} className="btn btnBdanger">Cancel</button>
button type="button" onClick={() => {
                               this.props.addTodo(this.state.todotext); this.setState({ todotext: '' })
                                style={{ marginTop: "25px" }} className="btn btn-success">Add Todo</button>
const mapDispatchToProps = (dispatch) => {
     return bindActionCreators({
         addTodo
     }, dispatch)
export default connect(null, mapDispatchToProps)(CreateTodo)
```

Masih dalam folder containers buatlah file dengan judul Table.js

```
redux-dina > src > containers > JS Table.js > 😭 Table > ♡ render
  1 v import React, { Component } from "react";
      import { connect } from "react-redux";
         deleteTodo,
          toggleTodo,
          setVisibilityFilter
      import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../actions/actionsTypes";
    import { bindActionCreators } from "redux";
        render() {
                 <div className="col-lg-10 offset-lg-1 col-md-10 col-sm-12 col-xs-12">
                      <nav style={{ marginTop: "60px" }}>

    className="breadcrumb">

                                   className={"breadcrumb-item " + (this.props.visibilityFilter === SHOW_ALL ?
                                   onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}
                                  A11
                                   className={"breadcrumb-item " + (this.props.visibilityFilter ===
                                      SHOW_COMPLETED ? 'active' : '')}
                                   onClick={() => this.props.setVisibilityFilter(SHOW_COMPLETED)}
                                  Completed
```

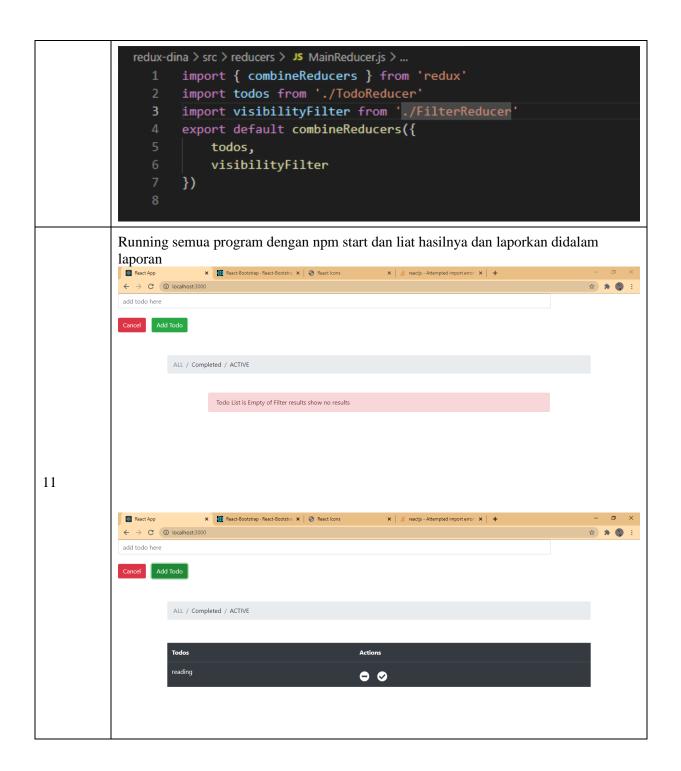
6

```
className={"breadcrumb-item " + (this.props.visibilityFilter === SHOW_ACTIVE ?
                                  onClick={() => this.props.setVisibilityFilter(SHOW_ACTIVE)}
                                 Active
36
                     {this.props.todos.length !== 0 ? (
                             style={{ marginTop: "60px" }}
                             className="table table-hover table-dark"
                                     Todos
                                     Actions
                                  {this.props.todos.map(todo => (
                                      <td
                                         style={{
                                              textDecoration: todo.completed ? "line-through" : "none"
                                          {todo.text} {todo.completed === true ? "(completed)" : ""}
                                                  className="fas fa-minus-circle"
                                                  onClick={() => this.props.deleteTodo(todo.id)}
                                                  style={{
                                                      color: "white",
fontSize: "20pt",
                                                      marginRight: "20px"
                                                  className="fas fa-check-circle"
onClick={() => this.props.toggleTodo(todo.id)}
                                                  style={{ color: "white", fontSize: "20pt" }}
                             style={{ marginTop: "50px" }}
                              className="col-lg-10 col-md-10 col-xs-12 col-sm-12 offset-lg-1"
                              <div className="alert alert-danger" role="alert">
    Todo List is empty or Filter results show no results
```

```
const getVisibleTodos = (todos, filter) => {
                          switch (filter) {
                             case SHOW_ALL:
                                return todos;
                              case SHOW_COMPLETED:
                                 return todos.filter(t => t.completed);
                              case SHOW_ACTIVE:
                                 return todos.filter(t => !t.completed);
                                 throw new Error("Unknown filter: " + filter);
                       }; const mapStateToProps = state => {
                              todos: getVisibleTodos(state.todos, state.visibilityFilter),
                              visibilityFilter: state.visibilityFilter
                      const mapDispatchToProps = dispatch => {
                          return bindActionCreators(
                                  deleteTodo,
                                  toggleTodo,
                                  setVisibilityFilter
                              dispatch
                       export default connect(mapStateToProps, mapDispatchToProps)(Table);
               Edit index.js dengan source code berikut ini
                       import React from "react";
                       import ReactDOM from "react-dom";
                       import { Provider } from "react-redux";
                       import { createStore, applyMiddleware, compose } from "redux";
                       import MainReducer from "./reducers/MainReducer";
                       import Table from "./containers/Table";
                        import registerServiceWorker from "./registerServiceWorker";
                       import CreateTodo from "./containers/CreateTodo";
7
                       const store = compose(window.devToolsExtension ? window.devToolsExtension() : f =>
                         f)(createStore)(MainReducer)
                       ReactDOM.render(
                         <Provider store={store}>
                            <CreateTodo />
                          document.getElementById('root'));
                           isterServiceWorker():
               Buat folder dalam src dengan nama reducers dan beri nama file FilterReducer.js dan
8
```

ketikkan program dibawah ini:

```
redux-dina > src > reducers > JS FilterReducer.js > [❷] visibilityFilter
                        import {
                             SHOW_ALL,
                             SET_VISIBILITY_FILTER
                   4 } from "../actions/actionsTypes";
                   5 v const visibilityFilter = (state = SHOW_ALL, action) => {
                             switch (action.type) {
                                  case SET_VISIBILITY_FILTER:
                                        return action.filter;
                   9 ~
                                  default:
                                       return state;
                         };
                        export default visibilityFilter;
              Masih didalam folder reducers buatlah file dengan nama TodoReducer.js
                redux-dina > src > reducers > JS TodoReducer.js > [❷] TodoReducer
                 import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from '../actions/actionsTypes'
                     const INITIAL_DATA = []
                    v const TodoReducer = (state = INITIAL_DATA, action) => {
                        switch (action.type) {
                            case ADD_TODO:
9
                               return [
                                      text: action.text,
                                      completed: false,
                            case TOGGLE_TODO:
                               return state.map(todo =>
                                  (todo.id === action.id)
                                      ? { ...todo, completed: !todo.completed }
                                       : todo
                            case REMOVE_TODO: const numIndex = parseInt(action.id)
                               return state.filter(todo => todo.id !== numIndex);
                    export default TodoReducer
10
              Buat file dengan nama MainReducer.js dan simpan
```



Link Github:

https://github.com/dinariskyas/PemrogramanFramework2021/tree/master/minggu6/redux-dina

Link Youtube:

https://youtu.be/z7eYLXeH6vc