## **TUGAS INDIVIDU**

**MODUL 6: Redux** 

Disusun sebagai

MATA KULIAH: Pemrograman Framework

Oleh:

Kevin Risqi Ramadhani / 1741720161TI - 3A / 16



## PROGRAM STUDI D-IV T.INFORMATIKA JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG 2020

## Praktikum

- 1. Buat Folder dalam src yaitu Action
- 2. Beri nama actionCreator

```
import {
    ADD TODO,
    REMOVE_TODO,
    TOGGLE_TODO,
    SET VISIBILITY FILTER
} from './actionsTypes'
let TodoId = 2
export const addTodo = text => ({
    type: ADD TODO,
    id: TodoId++,
})
export const deleteTodo = (id) => ({
    type: REMOVE TODO,
})
export const toggleTodo = (id) => ({
    type: TOGGLE TODO,
export const setVisibilityFilter = filter => ({
    type: SET VISIBILITY FILTER,
    filter
```

3. Masih dalam Folder Action buatlah file actionTypes.js

```
src > Action > JS actionsTypes.js > [2] SET_VISIBILITY_FILTER

1    export const ADD_TODO = 'ADD_TODO'
2    export const TOGGLE_TODO = 'TOGGLE_TODO'
3    export const REMOVE_TODO = 'REMOVE_TODO'
4    export const SHOW_ALL = 'SHOW_ALL'
5    export const SHOW_COMPLETED = 'SHOW_COMPLETED'
6    export const SHOW_ACTIVE = 'SHOW_ACTIVE'
7    export const SET_VISIBILITY_FILTER = 'SET_VISIBILITY_FILTER'
```

4. Kemudian dalam folder src buatlah folder dengan nama containers dan buatlah file dengan judul CreateTodo

```
src > containers > JS CreateTodo.js > ધ CreateTodo > 😯 render
         import React, { Component } from 'react
         import { connect } from 'react-redux'
import { addTodo } from '../actions/actionCreator'
         class CreateTodo extends Component {
              constructor(props) {
                   super(props)
this.state = {
   todotext: '',
                   this.onChangeTodoText = this.onChangeTodoText.bind(this)
              onChangeTodoText(e) {
                        todotext: e.target.value
              render() {
                        <div className="form-group row">
                              <div className="col-sm-10">
                                    <input onChange={this.onChangeTodoText} value={this.state.todotext}</pre>
                                    type="text" className="form-control" id="inputEmail3" placeholder="add todo here" />
<button type="button" onClick={() => this.setState({ todotext: '' })}
style={{ marginTop: "25px", marginRight: "15px" }} className="btn btndanger">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>
         export default connect(null, mapDispatchToProps)(CreateTodo)
```

5. Masih dalam folder containers buatlah file dengan judul Table.js

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

                                          className={"breadcrumb-item " + (this.props.visibilityFilter === SHOW_ALL ?
                                         onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}
                                         className={"breadcrumb-item" + (this.props.visibilityFilter ===
SHOW_COMPLETED ? 'active' : '')}
onClick={() => this.props.setVisibilityFilter(SHOW_COMPLETED)}
                                         Completed
                                         className={"breadcrumb-item" + (this.props.visibilityFilter === SHOW_ACTIVE ?
                                         onClick={() => this.props.setVisibilityFilter(SHOW_ACTIVE)}
                                         Active
                           {this.props.todos.length !== 0 ? (
                                     className="table table-hover table-dark"
```

```
Todos
    </thead>
        {this.props.todos.map(todo => (
                    textDecoration: todo.completed ? "line-through" : "none"
                {todo.text} {todo.completed === true ? "(completed)" : ""}
                        onClick={() => this.props.deleteTodo(todo.id)}
                             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
```

```
//div

//d
```

6. Edit index.js dengan source code berikut ini

7. Buat folder dalam src dengan nama reducers dan beri nama file FilterReducer.js dan ketikkan program dibawah ini:

```
src > reducers > J$ FilterReducer.js > ...

import {

SHOW_ALL,

SET_VISIBILITY_FILTER

from "../Action/actionsTypes";

const visibilityFilter = (state = SHOW_ALL, action) => {

switch (action.type) {

case SET_VISIBILITY_FILTER:

return action.filter;

default:

return state;

};

export default visibilityFilter;
```

8. Masih dalam folder reducers buatlah file dengan nama TodoReducer.js

9. Buat file dengan nama MainReducer.js dan simpan

```
src > reducers > J$ MainReducer.js > [@] default

1    import { combineReducers } from 'redux'
2    import todos from './TodoReducer'
3    import visibilityFilter from './FilterReducer'
4    export default combineReducers({
5         todos,
6         visibilityFilter
7    })
```

10. Running semua program dengan npm start dan liat hasilnya dan laporkan didalam laporan

