TUGAS INDIVIDU

Modul 6

Redux

Disusun sebagai:

MATA KULIAH: PEMROGRAMAN WEB BERBASIS FRAMEWORK

Oleh:

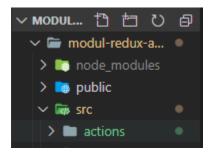
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PROGRAM STUDI D-IV TEKNIK INFORMATIKA JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG 2020

PRAKTIKUM

1. Buat folder dalam src dan beri nama actions.



2. Kemudian buat file.js dengan nama actionCreator,js.

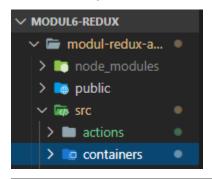
```
actionCreator.js ×
modul-redux-app > src > actions > us actionCreator.js > ...
       import { ADD TODO, REMOVE_TODO, TOGGLE_TODO, SET_VISIBILITY_FILTER } from
            './actionsTypes'
       let TodoId = 2
       export const addTodo = text => ({
           type: ADD_TODO,
           id: TodoId++, text
       })
       export const deleteTodo = (id) => ({
           type: REMOVE_TODO,
           id: id
       })
       export const toggleTodo = (id) => ({
           type: TOGGLE_TODO,
           id: id
       })
       export const setVisibilityFilter = filter => ({
           type: SET_VISIBILITY_FILTER,
           filter
```

3. Masih pada folder src, buat file .js dengan nama actionsTypes.js.

```
modul-redux-app > src > actions > _s actionsTypes.js > ...

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. Lalu dalam folder src, buat folder dengan nama **containers** dan buat file dengan nama **CreateTodo.js**.



5. Setelah itu, buat lagi file .js dengan nama **Table.js** pada folder **containers**.

```
■ Table.js ×
modul-redux-app > src > containers > 

■ Table.js > 

Table > 

T
                                  deleteTodo, toggleTodo, setVisibilityFilter
                       import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../actions/actionsTypes";
                       import { bindActionCreators } from "redux";
                                  render() {
                                                return (
                                                             <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 ? 'active' : '')}
                                                                                                                   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 ? 'active' : '')
                                                                                                                   onClick={() => this.props.setVisibilityFilter(SHOW_ACTIVE)}
                                                                                                                 Active
```

```
{this.props.todos.length !== 0 ? (
                         style={{ marginTop: "60px" }} className="table table-hover table-dark"
                                Todos
Actions

                             {this.props.todos.map(todo => (
                                 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", fontS
                            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 n
const getVisibleTodos = (todos, filter) => {
   switch (filter) {
      case SHOW_ALL:
        case SHOW_COMPLETED:
           return todos.filter(t => t.completed); case SHOW_ACTIVE:
            return todos.filter(t => !t.completed); default:
```

6. Kemudian edit **Index.js** menjadi seperti berikut.

7. Selanjutnya, buat folder baru pada folder src dengan nama **reducers** dan buat file .js dengan nama **FilterReducers.js**.

8. Masih dalam folder **reducers**, buat file baru dengan nama **TodoReducers.js**.

```
Js TodoReducer.js X
modul-redux-app > src > reducers > Js TodoReducer.js > ...
       import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from '../actions/actionsTypes'
       const INITIAL DATA = []
       const TodoReducer = (state = INITIAL_DATA, action) => {
           switch (action.type) {
               case ADD_TODO:
                   return [
                        ...state, {
                            id: action.id,
                            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);
               default:
                   return state
       export default TodoReducer
```

9. Kemudian buat lagi file dengan nama MainReducers.js.

```
modul-redux-app > src > reducers > Js MainReducer.js > ...

import { combineReducers } from 'redux'

import todos from './TodoReducer'

import visibilityFilter from './FilterReducer'

export default combineReducers({

todos,

visibilityFilter

})

9
```

10. Terakhir, running semua program dengan **npm start** dan lihat hasilnya.

