TUGAS INDIVIDU

MODUL 6 REDUX

Disusun sebagai

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK

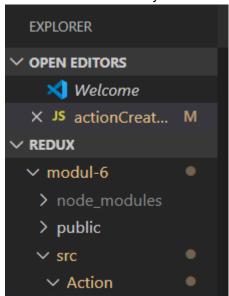
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PROGRAM STUDI D-IV TEKNIK INFORMATIKA JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG 2020

A. Praktikum

1. Buat Folder dalam src yaitu Action



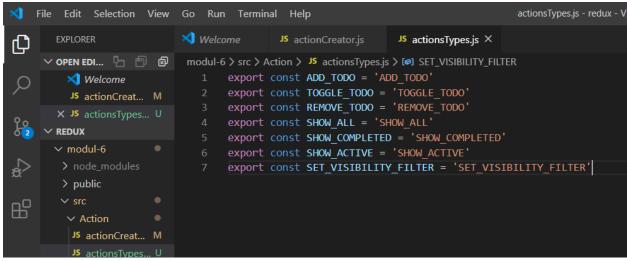
2. Buat file dan beri nama actionCreator.js

```
X File Edit Selection View Go Run Terminal Help
                                               JS actionCreator.js ×
                              ⋈ Welcome

✓ OPEN EDITORS

                                     import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO, SET_VISIBILITY_FILTER } from
         ⋈ Welcome
                                          './actionsTypes'
                                     let TodoId = 2
                                     export const addTodo = text => [(){
       ∨ modul-6
                                          type: ADD TODO,
                                          id: TodoId++,
         > public
                                          text
                                     })
                                     export const deleteTodo = (id) => ({
                                          type: REMOVE_TODO,
                                10
          JS actionCreat... M
                                          id: id
         # App.css
         JS App.js
                                     export const toggleTodo = (id) => ({
         JS App.test.js
                                          type: TOGGLE_TODO,
         # index.css
                                          id: id
         JS index.js
                                     export const setVisibilityFilter = filter => ({
         logo.svg
                                          type: SET_VISIBILITY_FILTER,
                                18
         JS serviceWorker.js
                                          filter
         JS setupTests.js
        gitignore
```

3. Masih dalam Folder Action buatlah file actionsTypes.js



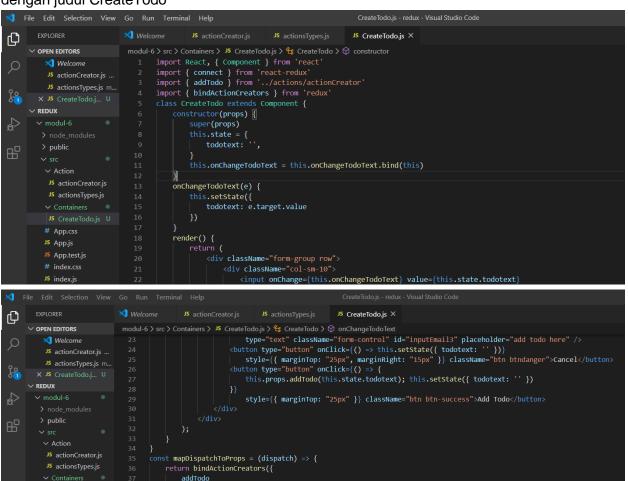
 Kemudian dalam folder src buatlah folder dengan nama containers dan buatlah file dengan judul CreateTodo

}, dispatch)

export default connect(null, mapDispatchToProps)(CreateTodo)

App.css

JS App.js



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

```
Table.js - redux - Visual Studio Code
                                                                                                                                       JS Table.js X
Ф
      ∨ OPEN EDI... 🔓 🗐 🗟
                                         import React, { Component } from "react";
import { connect } from "react-redux";
import {
           🔀 Welcome
                                               deleteTodo,
           JS actionsTypes.js m...
                                                    toggleTodo,
                                                    setVisibilityFilter
                                               } from "../actions/actionCreator";
import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../actions/actionsTypes";
import { bindActionCreators } from "redux";
      ∨ REDUX
                                                   render() {
                                                         return (

✓ Action

                                                               <div className="col-lg-10 offset-lg-1 col-md-10 col-sm-12 col-xs-12">

<
            JS actionCreator.js
                                                                                      'active' : '')}
           JS CreateTodo.is
                                                                                onclick={() => this.props.setVisibilityFilter(SHOM_ALL)}>All
cli className={"breadcrumb-item " + (this.props.visibilityFilter ===
SHOW_COMPLETED ? 'active' : '')}
            JS Table.js
                                                                                      \label{eq:completed} on Click=\{(\texttt{)} => this.props.setVisibilityFilter(SHOW\_COMPLETED)\} > Completed 
                                                                                className={"breadcrumb-item" + (this.props.visibilityFilter === SHOW_ACTIVE ?
           # index.css
                                                                                      onClick={() => this.props.setVisibilityFilter(SHOW_ACTIVE)}>Active
           JS serviceWorker.is
                                                                     {this.props.todos.length !== 0 ? (
           JS setupTests.js
          gitignore
                                                                                style={{ marginTop: "60px" }}
                                                                                className="table table-hover table-dark">
```

```
JS Table.js X
ф
     ∨ OPEN EDI.... 🕒 🖆 🗟 modul-6 > src > Containers > JS Table.js > ..
        ⋈ Welcome
                                                                     Todos
         JS CreateTodo.js mo...
       X JS Table.js mod... U
                                                                  {this.props.todos.map(todo => (

∨ Action

                                                                                  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" }}
        .gitignore

    debug.log
```

```
⋈ Welcome
                                       JS actionCreator.js
                                                            JS actionsTypes.js
                                                                                                   JS Table.js X

✓ OPEN EDITORS

    刘 Welcome
    JS actionCreator.js ...
    JS actionsTypes.js m...
                                                            style={{ marginTop: "50px" }}
className="col-lg-10 col-md-10 col-xs-12 col-sm-12 offset-lg-1"
∨ REDUX
                                                             <div className="alert alert-danger" role="alert">
                                                                Todo List is empty or Filter results show no results
    JS actionCreator.js
    JS actionsTypes.js
                               const getVisibleTodos = (todos, filter) => {
     JS Table.js
                                   switch (filter) {
                                      case SHOW ALL:
                                       case SHOW COMPLETED:
                                          return todos.filter(t => t.completed);
   JS index.js
                                       case SHOW ACTIVE:
                                           return todos.filter(t => !t.completed);
   JS serviceWorker.js
                                            throw new Error("Unknown filter: " + filter);
   JS setupTests.js
   .gitignore
   ≣ debug.log
                         90 const mapStateToProps = state => {
                                                                                                           JS Table.js X

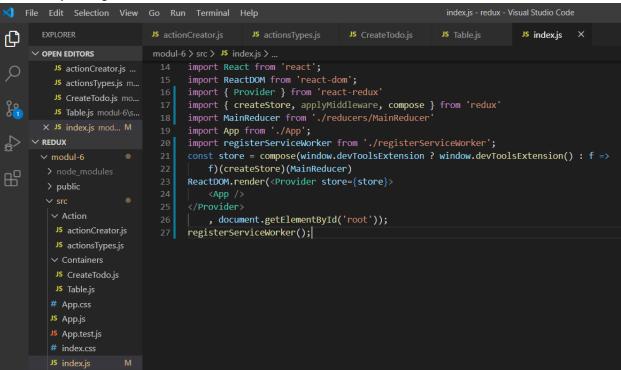
✓ OPEN EDITORS

    ⋈ Welcome
                                           todos: getVisibleTodos(state.todos, state.visibilityFilter),
                                           visibilityFilter: state.visibilityFilter
     JS actionsTypes.js m...
     JS CreateTodo.js mo...
                                  const mapDispatchToProps = dispatch => {
∨ REDUX
                                      return bindActionCreators(
                                                deleteTodo,
                                                toggleTodo,
   > public
                                                setVisibilityFilter

✓ Action

                                           dispatch
     JS actionCreator.js
     JS actionsTypes.js
                                  export default connect(mapStateToProps, mapDispatchToProps)(Table);
     JS Table.js
```

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 :

```
🔀 File Edit Selection View Go Run Terminal Help
                                                                                                   FilterReducer.js -
        EXPLORER
                                  JS actionCreator.js
                                                         JS actionsTypes.js
                                                                                JS CreateTodo.js
                                                                                                      JS Table.js
仚

✓ OPEN EDITORS

                                  modul-6 > src > Reducer > JS FilterReducer.js > ...
                                          import {
           JS actionCreator.js ...
                                               SHOW ALL,
           JS actionsTypes.js m...
                                               SET_VISIBILITY_FILTER
           JS CreateTodo.js mo...
                                          } from "../actions/actionsTypes";
           JS Table.js modul-6\s...
                                          const visibilityFilter = (state = SHOW ALL, action) => {
           JS index.js modul-6\src
                                               switch (action.type) {
         X JS FilterReducer... U
                                                    case SET VISIBILITY FILTER:
                                                         return action.filter;
      ✓ REDUX
                                                    default:
        ∨ modul-6
                                                         return state;
          > public
                                          };
                                          export default visibilityFilter;

✓ Action

           JS actionCreator.js
           JS actionsTypes.js

∨ Containers

            JS CreateTodo.js
           JS Table.js
          ✓ Reducer
            JS FilterReduce... U
```

8. Masih didalam folder reducers buatlah file dengan namaTodoReducer.js

```
TodoReducer.js - redux - Visual Studio Code
                                 JS actionCreator.js
                                                      JS actionsTypes.js
                                                                                                 JS Table.js
                                                                                                                   JS index.js
仚

✓ OPEN EDITORS

                                 modul-6 > src > Reducer > JS TodoReducer.js > [0] default
           JS actionCreator.js ...
                                        import { ADD TODO, REMOVE TODO, TOGGLE TODO } from '../actions/actionsTypes'
           JS actionsTypes.js m...
                                        const INITIAL_DATA = []
                                        const TodoReducer = (state = INITIAL_DATA, action) => {
           JS CreateTodo.js mo...
                                             switch (action.type) {
          JS Table.js modul-6\s...
                                                 case ADD_TODO:
          JS index.js modul-6\src
                                                      return [
          JS FilterReducer.js m...
                                                           ...state, {
        X JS TodoReducer... U
                                                               id: action.id,
      ∨ REDUX
                                                               text: action.text,
船
                                                               completed: false,
         > public
                                                 case TOGGLE_TODO:
                                                      return state.map(todo =>

✓ Action

                                                           (todo.id === action.id)
                                                               ? { ...todo, completed: !todo.completed }
          JS actionCreator.js
          JS actionsTypes.js
                                                                : todo

∨ Containers

                                                  case REMOVE TODO:
           JS CreateTodo.js
                                                      const numIndex = parseInt(action.id)
           JS Table.js
                                                      return state.filter(todo => todo.id !== numIndex);
          ✓ Reducer
                                                 default:
          JS FilterReducer.js
                                                      return state
          # App.css
                                        export default TodoReducer
          JS App.js
```

9. Buat file dengan nama MainReducer.js dan simpan

```
File Edit Selection View Go
                                                                                              Main
                                 Run Terminal Help
   EXPLORER
                             JS actionCreator.js
                                                    JS actionsTypes.js
                                                                           JS CreateTodo.js
                             modul-6 > src > Reducer > JS MainReducer.js > [@] default
 ∨ OPEN EDITORS
                                     import { combineReducers } from 'redux'
      JS actionCreator.js ...
                                     import todos from './TodoReducer'
      JS actionsTypes.js m...
                                     import visibilityFilter from './FilterReducer'
      JS CreateTodo.js mo...
                                     export default combineReducers({
      JS Table.js modul-6\s...
                                          todos,
      JS index.js modul-6\src
                                          visibilityFilter
      JS FilterReducer.js m...
                                     })
      JS TodoReducer.js m...
    X JS MainReduce... U
```

10. Hasil running

