## **TUGAS INDIVIDU**

## Redux

# Pemrograman Berbasis Framework

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PROGRAM STUDI – D4 TEKNIK INFORMATIKA

JURUSAN – TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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#### PRAKTIKUM REDUX

#### Step:

1) Buat Folder dalam src yaitu dengan nama Action.



2) Lalu buat file dengan nama ActionCreator.jsx dan isi syntax sepeti gambar dibawah ini

```
⋈ Welcome

✓ OPEN EDITORS

                               redux > src > Action > ∰ actionCreator.jsx > 🕪 setVisibilityFilter
 ₩elcome
                                            SET_VISIBILITY_FILTER
    # App.css

        JS Appjs
        13
        export const add.

        JS App.test.js
        14
        type: ADD_TODO,

        # index.css
        15
        id: TodoId++,

        JS index.js
        16
        text

        17
        })

   Js App.js
                                        export const addTodo = text => ({
   Is serviceWorker, s 19 export const deleteT

Is setupTests, s 20 type: REMOVE_TODO,

id: id: id
                                       export const deleteTodo = (id) => ({
  {} package-lock.json 22
  {} package.json
                                       export const toggleTodo = (id) => ({

    README.md

                                        type: TOGGLE_TODO,

    README.md

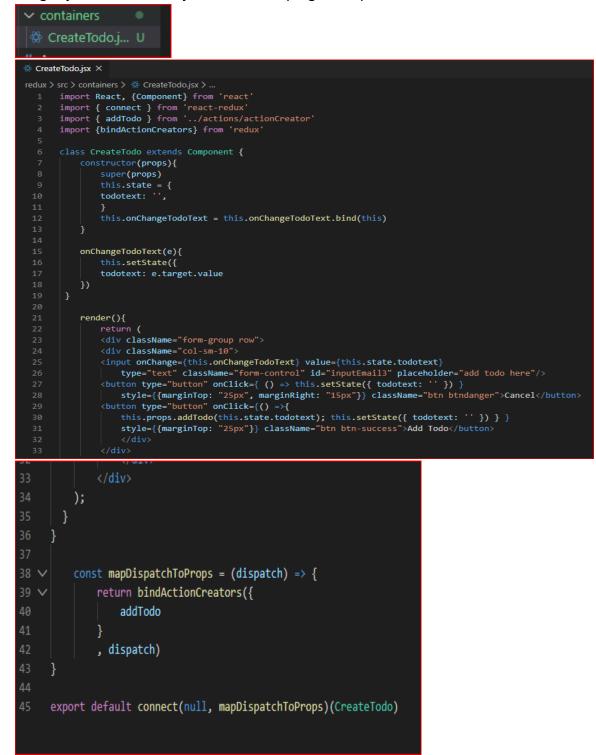
                                         export const setVisibilityFilter = filter => (({
                                         type: SET_VISIBILITY_FILTER,
                                          filter
```

Lalu buat lagi file didalam folder Action dengan nama actionsTypes.js

```
redux > src > Action > JS actionsTypes.js > [@] 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 didalam folder src buatlah lagi folder dengan nama containers dan buat file dengan judul CreateTodo.jsx dan isi Kode program seperti dibawah ini.



5) Masih didalam folder containers, buatlah file dengan nama Table.js

```
### Reduction of Stables | Stables |
```

```
JS Table.is
           X
redux > src > containers > JS Table.js > [∅] getVisibleTodos
112
            };
113
            const mapDispatchToProps = dispatch => {
114
115
                return bindActionCreators(
116
                {
117
                     deleteTodo,
118
                     toggleTodo,
119
                     setVisibilityFilter
120
                },
121
            dispatch
122
            );
123
       };
124
125
       export default connect(mapStateToProps, mapDispatchToProps)(Table);
```

6) Edit index.js dengan source code seperti berikut.

```
JS Table.js
               JS index.js X
redux > src > JS index.js > ...
      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 App from './App';
  7 import registerServiceWorker from './registerServiceWorker';
      import 'bootstrap/dist/css/bootstrap.min.css'
      const store = compose(window.devToolsExtension ? window.devToolsExtension()
 12
      f)(createStore)(MainReducer)
      ReactDOM.render(<Provider store={store}>
 14
      <App />
       , document.getElementById('root'));
      registerServiceWorker();
 18
      serviceWorker.unregister();
```

7) Buatlah folder dalam src dengan nama reducers dan beri nama file FilterReducer.js

```
JS Table.js X
                JS index.js
                                 JS FilterReducer.js X
redux > src > JS FilterReducer.js > ...
       import {
           SHOW ALL,
           SET_VISIBILITY_FILTER
       } from "../actions/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 didalam folder reducers, buatlah file dengan nama TodoReducer.js

```
JS TodoReducer.js ×
redux > src > JS TodoReducer.js > [❷] TodoReducer
12 import {
          ADD_TODO,
REMOVE_TODO,
            TOGGLE_TODO
       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}
           case REMOVE_TODO:
               const numIndex = parseInt(action.id)
return state.filter(todo => todo.id !== numIndex);
default:
                 return state
         b
        export default TodoReducer
```

9) Buat file dengan nama MainReducer.js kemudian simpan

```
redux > src > reducers > J5 MainReducer.js > ...

import { combineReducers } from 'redux'
import todos from './TodoReducer'
import visibilityFilter from './FilterReducer'

export default combineReducers({
    todos,
    visibilityFilter
})
```

10) Running semua program dengan npm start dan lihat hasilnya

```
You can now view reduxfalah in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

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

## 11) Hasil Output Running program

