

TUGAS PERORANGAN/INDIVIDU

Disusun sebagai

Laporan Modul Framework Redux



oleh :

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TI – 3A / 27

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGRIMALANG

Praktikum

Membuat folder actions di dalam folder src lalu di isi dengan file actionCreator.js dan actionsTypes.js

```
src > actions > JS actionCreator.js > ...
1  import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO, SET_VISIBILITY_FILTER } from './actionsTypes'
2
3  let TodoId = 2
4
5  export const addTodo = text => ({
6    type: ADD_TODO,
7    id: TodoId++,
8    text
9  })
10 export const deleteTodo = (id) => ({
11   type: REMOVE_TODO,
12   id: id
13 })
14 export const toggleTodo = (id) => ({
15   type: TOGGLE_TODO,
16   id: id
17 })
18 export const setVisibilityFilter = filter => ({
19   type: SET_VISIBILITY_FILTER,
20   filter
21 })
```

```
src > actions > JS actionsTypes.js > [E] 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'
```

Lalu dalam folder src buat folder dengan nama containers lalu buat file dengan nama CreateTodo.js dan Table.js

```
src > containers > JS CreateTodo.js > mapDispatchToProps
1 import React, {Component} from 'react'
2 import { connect } from 'react-redux'
3 import { addToDo } from '../actions/actionCreator'
4 import {bindActionCreators} from 'redux'
5 class CreateTodo extends Component {
6   constructor(props){
7     super(props)
8     this.state = {
9       todotext: '',
10     }
11     this.onChangeTodoText = this.onChangeTodoText.bind(this)
12   }
13   onChangeTodoText(e){
14     this.setState({
15       todotext: e.target.value
16     })
17   }
18   render(){
19     return (
20       <div className="form-group row">
21         <div className="col-sm-10">
22           <input onChange={this.onChangeTodoText} value={this.state.todotext} type="text" className="form-control" id="inputEmail3" placeholder="Email" />
23           <button type="button" onClick={() => this.setState({ todotext: '' }) } style={{marginTop: "25px", marginRight: "15px"}} className="btn btn-default">Clear</button>
24           <button type="button" onClick={() => { this.props.addToDo(this.state.todotext); this.setState({ todotext: '' }) } } style={{marginTop: "25px", marginRight: "15px"}} className="btn btn-default">Add</button>
25         </div>
26       </div>
27     )
28   }
29 }
```

```
src > containers > JS Table.js > default
1 import React, { Component } from "react";
2 import { connect } from "react-redux";
3 import {
4   deleteTodo,
5   toggleTodo,
6   setVisibilityFilter
7 } from "../actions/actionCreator";
8 import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../actions/actionTypes";
9 import { bindActionCreators } from "redux";
10
11 class Table extends Component {
12   render() {
13     return (
14       <div className="col-lg-10 offset-lg-1 col-md-10 col-sm-12 col-xs-12">
15         <nav style={{ marginTop: "60px" }}>
16           <ol class="breadcrumb">
17             <li class={this.props.visibilityFilter === SHOW_ALL ? 'active' : ''}>All</li>
18             <li class={this.props.visibilityFilter === SHOW_COMPLETED ? 'active' : ''}>Completed</li>
19             <li class={this.props.visibilityFilter === SHOW_ACTIVE ? 'active' : ''}>Active</li>
20           </ol>
21         </nav>
22       </div>
23     );
24   }
25 }
```

Lalu edit index.js

```
src > JS index.js > ...
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import { Provider } from 'react-redux'
4 import { createStore, applyMiddleware, compose } from 'redux'
5 import MainReducer from './reducers/MainReducer'
6 import App from './App';
7 import * as serviceWorker from './serviceWorker';
8
9
10 const store = compose(window.devToolsExtension ? window.devToolsExtension() : f => f)(createStore)(MainReducer)
11
12 ReactDOM.render(<Provider store={store}>
13   <App />
14 </Provider>, document.getElementById('root'));
15 serviceWorker.unregister();
16
17
```

Lalu dalam folder src buat folder dengan nama reducers dan beri file dengan nama FilterReducer.js , TodoReducer.js dan MainReducer.js

```
src > reducers > JS FilterReducer.js > [🔗] default
1  import {
2    SHOW_ALL,
3    SET_VISIBILITY_FILTER
4  } from "../actions/actionTypes";
5  const visibilityFilter = (state = SHOW_ALL, action) => {
6    switch (action.type) {
7      case SET_VISIBILITY_FILTER:
8        return action.filter;
9      default:
10       return state;
11    }
12  };
13  export default visibilityFilter;
```

src > reducers > JS TodoReducer.js > [🔗] TodoReducer

```
11 // ]
12 import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from '../actions/actionTypes'
13 const INITIAL_DATA = []
14 const TodoReducer = (state=INITIAL_DATA, action) => {
15   switch (action.type){
16     case ADD_TODO:
17       return [
18         ...state,[
19           id: action.id,
20           text: action.text,
21           completed: false,
22         ]
23       ]
24     case TOGGLE_TODO:
25       return state.map(todo =>
26         (todo.id === action.id)
27         ? {...todo, completed: !todo.completed}
28         : todo
29       )
30     case REMOVE_TODO:
31       const numIndex = parseInt(action.id)
32       return state.filter(todo => todo.id !== numIndex);
33     default:
34       return state
35   }
```

src > reducers > JS MainReducer.js > ...

```
1 import { combineReducers } from 'redux'
2 import todos from './TodoReducer'
3 import visibilityFilter from './FilterReducer'
4 export default combineReducers({
5   todos,
6   visibilityFilter
7 })
8 |
```

Hasil run :

