

TUGAS
LAPORAN TUGAS MINGGU KE 7

APA ITU REDUX ?

Disusun Sebagai:

MATA KULIAH: Pemograman Berbasis FrameWork

Oleh:

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TI-3B



PROGRAM STUDI D4 TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

```

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
})

```

```

export const ADD_TODO = 'ADD_TODO'
export const TOGGLE_TODO = 'TOGGLE_TODO'
export const REMOVE_TODO = 'REMOVE_TODO'
export const SHOW_ALL = 'SHOW_ALL'
export const SHOW_COMPLETED = 'SHOW_COMPLETED'
export const SHOW_ACTIVE = 'SHOW_ACTIVE'
export const SET_VISIBILITY_FILTER = 'SET_VISIBILITY_FILTER'

```

```

import React, {Component} from 'react'
import { connect } from 'react-redux'
import { addTodo } from '../Actions/actionCreator'
import {bindActionCreators} from 'redux'
class CreateTodo extends Component { constructor(props){
  super(props)
  this.state = {
    todotext: '', }
  this.onChangeTodoText = this.onChangeTodoText.bind(this) }
  onChangeTodoText(e){ this.setState({
    todotext: e.target.value })
  }
  render(){ return (
    <div className="form-group row">
      <div className="col-sm-10">
        <input onChange={this.onChangeTodoText} value={this.state.todotext}
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 btn-
danger">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>
    </div>
</div>
);
}
}

const mapDispatchToProps = (dispatch) => {
    return bindActionCreators({
        addToDo
    }, dispatch)
}
export default connect(null, mapDispatchToProps)(CreateTodo)

```

```

import React, { Component } from "react";
import { connect } from "react-redux";
import { deleteTodo, toggleTodo, setVisibilityFilter }
from "../Actions/actionCreator";
import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../Actions/actionsTypes";
import { bindActionCreators } from "redux";

class Table extends Component { render() {
    return (
        <div className="col-lg-10 offset-lg-1 col-md-10 col-sm-12 col-xs-12">
            <nav style={{ marginTop: "60px" }}>
                <ol className="breadcrumb">
                    <li className={"breadcrumb-item " + (this.props.visibilityFilter ===
SHOW_ALL ? 'active' : '') }onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}>
                        All
                    </li>
                    <li className={"breadcrumb-item " + (this.props.visibilityFilter ===
SHOW_COMPLETED ? 'active' : '') } onClick={() =>
this.props.setVisibilityFilter(SHOW_COMPLETED)} >
                        Completed
                    </li>
                    <li className={"breadcrumb-item " + (this.props.visibilityFilter ===
SHOW_ACTIVE ? 'active' : '') }onClick={() =>
this.props.setVisibilityFilter(SHOW_ACTIVE)}>
                        Active
                    </li>
                </ol>
            </nav>
            {this.props.todos.length !== 0 ? (
                <table style={{ marginTop: "60px" }} className="table table-hover table-dark">
                    <thead>
                        <tr>

```

```

        <th scope="col">Todos</th> <th scope="col">Actions</th>
      </tr>
    </thead>
    <tbody>
      {this.props.todos.map(todo => (
        <tr key={todo.id}>
          <td style={{ textDecoration: todo.completed ? "line-through" :
"none" }}>{todo.text} {todo.completed === true ? "(completed)" : ""}
          </td>
          <td>
            <span className="fas fa-minus-circle" onClick={() =>
this.props.deleteTodo(todo.id)} style={{ color: "white", fontSize: "20pt",
marginRight: "20px"}} />
            <span className="fas fa-check-circle"onClick={() =>
this.props.toggleTodo(todo.id)} style={{ color: "white", fontSize: "20pt" }}/>
          </td>
        </tr> )}}
      </tbody>
    </table>
  ):(
    <div 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>
    </div> )}{" "} </div>
  ); }
}

const getVisibleTodos = (todos, filter) => { switch (filter) {
case SHOW_ALL: return todos;
case SHOW_COMPLETED:
return todos.filter(t => t.completed);
case SHOW_ACTIVE:
return todos.filter(t => !t.completed);
default:
throw new Error("Unknown filter: " + filter);
} }

const mapStateToProps = state => {
return { todos: getVisibleTodos(state.todos, state.visibilityFilter),
visibilityFilter: state.visibilityFilter };
};
const mapDispatchToProps = dispatch => { return bindActionCreators(
{
deleteTodo, toggleTodo, setVisibilityFilter
},
dispatch );
};
export default connect(mapStateToProps, mapDispatchToProps)(Table);

```

```

import {
  SHOW_ALL, SET_VISIBILITY_FILTER

```

```

    } from "../Actions/actionTypes";
    const visibilityFilter = (state = SHOW_ALL, action) => { switch (action.type) {
    case SET_VISIBILITY_FILTER: return action.filter;
    default: return state;
    } };
    export default visibilityFilter;

```

```

import { combineReducers } from 'redux'
import todos from './TodoReducer'
import visibilityFilter from './FilterReducer'
export default combineReducers({ todos,
visibilityFilter
})

```

```

// if you want to show initial data :) const INITIAL_DATA = [
// {
// id: 0,
// text: 'Walk the Dog', },
// {
// id:1,
// text: 'learn Redux',
// }, ]
import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO} from '../Actions/actionTypes'
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

```

```

import React from 'react';
import CreateTodo from './containers/CreateTodo'
import Table from './containers/Table'

```

```
function App() {
  return (
    <div className="App">
      <div>
        <CreateTodo />
      </div>
      <Table />
    </div>
  );
}

export default App;
```

```
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';
import * as serviceWorker from './serviceWorker';
import 'bootstrap/dist/css/bootstrap.min.css';
import '@fortawesome/fontawesome-free/css/all.min.css';
// import registerServiceWorker from './registerServiceWorker';
const store = compose(window.devToolsExtension ? window.devToolsExtension() : f =>
f)(createStore)(MainReducer)
ReactDOM.render(<Provider store={store}> <App />
</Provider>
, document.getElementById('root'));
// registerServiceWorker();
serviceWorker.register();
```

Hasil dari code tersebut

Cancel
Add Todo

All / Completed / Active

Todos	Actions
Mengerjakan Laporan Tugas minggu 7	<div> <div></div> <div></div> </div>