JOBSHEET PEMROGRAMAN BERBASIS FRAMEWORK React Router



Oleh:

Nama :Mirza Zarqani Rayhan NIM : 1841720205 KELAS : TI-3F/17

Program Studi Teknik Informatika Jurusan Teknologi Informasi Politeknik Negeri Malang 2021

Praktikum:

- 1. Buat Folder dalam src yaitu Action
- 2. Beri nama actionCreator

```
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 dalam Folder Action buatlah file actionsTypes.js

```
react-reduks > src > actions > 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 dalam folder src buatlah folder dengan nama containers dan buatlah file dengan judulCreateTodo

```
react-reduks > src > containers > JS CreateTodo.js > ...
          import { connect } from 'react-redux'
import { addTodo } from '../actions/actionCreator'
                super(props)
this.state = {
            }
render() {
                  <div className="form-group row">
     <div className="col-sm-10">
                          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 btnEdanger"
                       Cancel </button>
                           type="button"
                           onClick={() => {
   this.props.addTodo(this.state.todotext)
   this.setState({ todotext: '' })
                            className="btn btn-success"
                           Add Todo
           const mapDispatchToProps = (dispatch) => {
   return bindActionCreators(
                 addTodo,
```

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

```
react-reduks > src > containers > JS Table.js > ...
       %port { connect } from 'react-redux'
        setVisibilityFilter,
      } from '../actions/actionCreator'
      import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from '../actions/actionsTypes'
      import { bindActionCreators } from 'redux'
      class Table (
  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-item ' +
                      (this.props.visibilityFilter === SHOW_ALL ? 'active' : '')
                    onClick={() => this.props.setVisibilityFilter(SHOW_ALL)}
                    A11
                    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
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', fontSize: '20pt' }}
                       ))}
               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
             )}{' '}
      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)
           throw new Error('Unknown filter: ' + filter)
110
          todos: getVisibleTodos(state.todos, state.visibilityFilter),
          visibilityFilter: state visibilityFilter,
        return bindActionCreators(
120
            setVisibilityFilter,
          },
      export default connect(mapStateToProps, mapDispatchToProps)(
128
```

6. Edit index.js dengan source code berikut ini

7. Buat folder dalam src dengan nama reducers dan beri nama file FilterReducer.js dan ketikkanprogram dibawah ini :

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

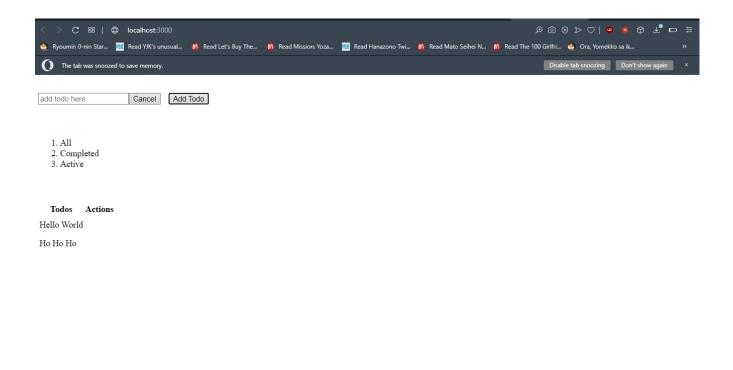
```
// if you want to show initial data :)
// const INITIAL_DATA = [
// text: 'Walk the Dog',
// id:1,
import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from '../actions/actionsTypes'
const INITIAL_DATA = []
const TodoReducer = (state = INITIAL_DATA, action) => {
  switch (action.type) {
    case ADD_TODO:
      return [
          id: action.id,
      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)
```

9. Buat file dengan nama MainReducer.js dan simpan

```
react-reduks > 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 })
```

10. Running semua program dengan npm start dan liat hasilnya dan laporkan didalam laporan



Link Github: https://github.com/mirzarayhan/react-redux

Link YT: https://youtu.be/R4V-CL01CZw