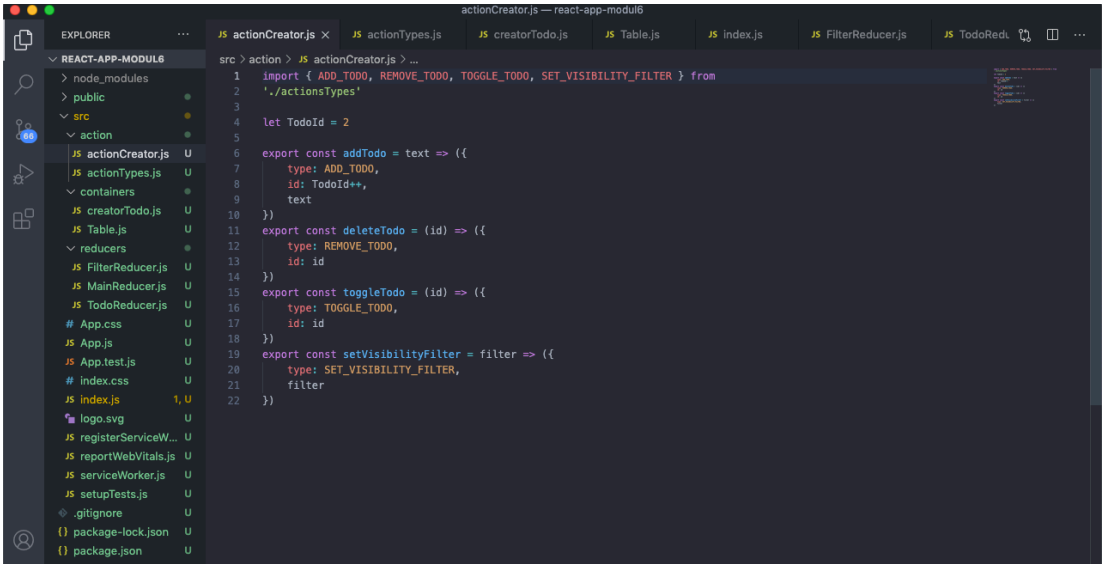
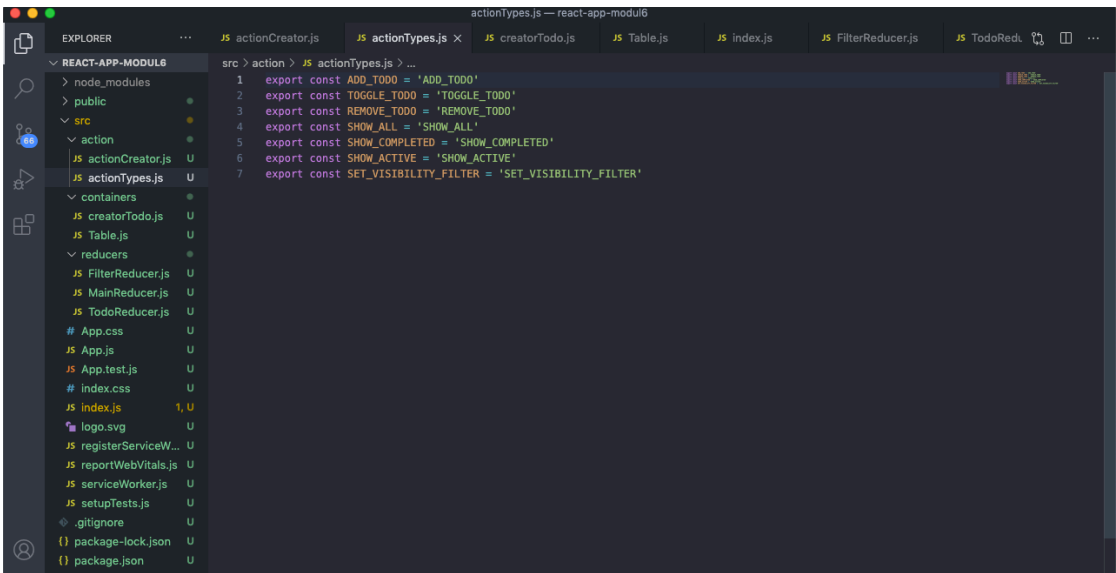




Jurusan Teknologi Informasi Politeknik Negeri Malang
Tugas Minggu: Modul 6
Mata Kuliah Pemrograman Berbasis Framework
Pengampu:
Februari 2021

Nama : Muhammad Iqbaluddin Al Huda
Kelas : TI-3E
NIM : 1841720013

Langkah	Keterangan
1	<p>Praktikum :</p> <ol style="list-style-type: none">1. Buat Folder dalam src yaitu Action2. Beri nama actionCreator 
2	<p>Masih dalam Folder Action buatlah file actionTypes.js</p> 

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

3

The screenshot shows the VS Code interface with the Explorer sidebar on the left. The 'src' folder is expanded, showing a new folder named 'containers' and a new file named 'creatorTodo.js'. The main editor displays the code for 'creatorTodo.js'. The code imports React, connect from 'react-redux', and addTodo from '../action/actionCreator'. It defines a class 'CreateTodo' extending 'Component' with a constructor, state, and a render method. The render method returns a JSX element with a form group containing an input field and a button. The input field has an onChange handler that calls 'this.onChangeTodoText'. The button has an onClick handler that calls 'this.setState' to update the 'todotext' state. The code also includes a 'mapDispatchToProps' function and an export statement.

```
1 import React, { Component } from "react";
2 import { connect } from "react-redux";
3 import { addTodo } from "../action/actionCreator";
4 import { bindActionCreators } from "redux";
5
6 class CreateTodo extends Component {
7   constructor(props) {
8     super(props);
9     this.state = {
10       todotext: "",
11     };
12     this.onChangeTodoText = this.onChangeTodoText.bind(this);
13   }
14   onChangeTodoText(e) {
15     this.setState({
16       todotext: e.target.value,
17     });
18   }
19   render() {
20     return (
21       (JSX attribute) React.HTMLAttributes<HTMLDivElement>.className?: string
22       <div className="form-group row">
23         <input onChange={this.onChangeTodoText} value={this.state.todotext} type="text" className="form-control" id="
24           style={{
25             marginTop: "25px",
26             marginRight: "15px",
27           }}
28         <button type="button" > Cancel </button>
29         <button type="button"
30           onClick={() => {
31             this.props.addTodo(this.state.todotext);
32             this.setState({
33               todotext: "",
34             });
35           }}
36         </button>
37       </div>
38     );
39   }
40 }
41
42 const mapDispatchToProps = (dispatch) => {
43   return bindActionCreators(
44     {
45       addTodo,
46     },
47     dispatch
48   );
49 };
50
51 export default connect(null, mapDispatchToProps)(CreateTodo);
```

4

Masih dalam folder containers buatlah file dengan judul Table.js

```
Table.js — react-app-modul6
1 import React, { Component } from "react";
2 import { connect } from "react-redux";
3 import {
4   deleteTodo,
5   toggleTodo,
6   setVisibilityFilter,
7 } from "../action/actionCreator";
8 import { SHOW_ALL, SHOW_COMPLETED, SHOW_ACTIVE } from "../Action/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 className="breadcrumb">
17             <li
18               className={
19                 "breadcrumb-item " +
20                 (this.props.visibilityFilter === SHOW_ALL ? "active" : "")
21               }
22             >
23               <a href="#">All</a>
24             </li>
25             <li
26               className={
27                 "breadcrumb-item " +
28                 (this.props.visibilityFilter === SHOW_COMPLETED ? "active" : "")
29               }
30             >
31               <a href="#">Completed</a>
32             </li>
33           </ol>
34         </div>
35       </div>
36     );
37   }
38 }
39
40 const mapStateToProps = (state) => {
41   return {
42     todos: getVisibleTodos(state.todos, state.visibilityFilter),
43     visibilityFilter: state.visibilityFilter,
44   };
45 };
46
47 const mapDispatchToProps = (dispatch) => {
48   return bindActionCreators(
49     {
50       deleteTodo,
51       toggleTodo,
52       setVisibilityFilter,
53     },
54     dispatch
55   );
56 };
57
58 export default connect(mapStateToProps, mapDispatchToProps)(Table);
```

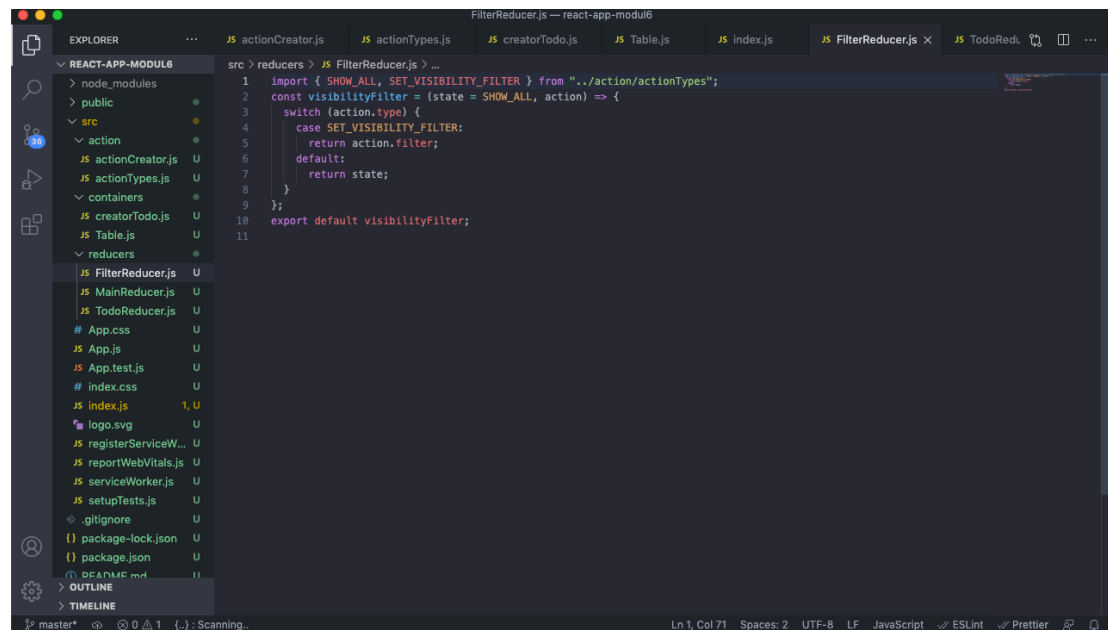
Edit index.js dengan source code berikut ini

```
Index.js — react-app-modul6
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 reportWebVitals from './reportWebVitals';
8 import Table from "../src/containers/Table";
9 import CreateTodo from "../src/containers/creatorTodo";
10
11 const store = compose(
12   window.devToolsExtension ? window.devToolsExtension() : (f) => f
13 )(createStore)(MainReducer);
14
15 ReactDOM.render(
16   <Provider store={store}>
17     <CreateTodo />
18     <Table />
19   </Provider>,
20   document.getElementById("root")
21 );
22
23 // If you want to start measuring performance in your app, pass a function
24 // to log results (for example: reportWebVitals(console.log))
25 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
26 reportWebVitals();
```

5

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

6

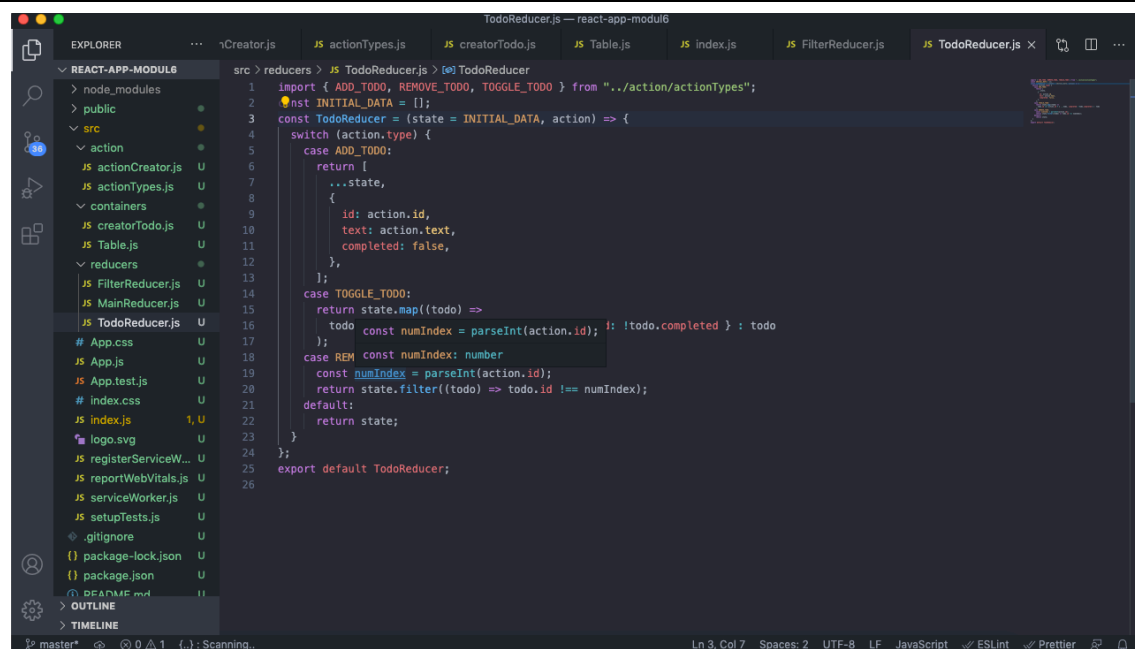


The screenshot shows the VS Code editor with the 'FilterReducer.js' file open in the 'reducers' folder. The Explorer sidebar on the left shows the project structure with 'src' > 'reducers' expanded. The code in the editor is as follows:

```
1 import { SHOW_ALL, SET_VISIBILITY_FILTER } from "../action/actionTypes";
2 const visibilityFilter = (state = SHOW_ALL, action) => {
3   switch (action.type) {
4     case SET_VISIBILITY_FILTER:
5       return action.filter;
6     default:
7       return state;
8   }
9 };
10 export default visibilityFilter;
```

Masih didalam folder reducers buatlah file dengan nama TodoReducer.js

7

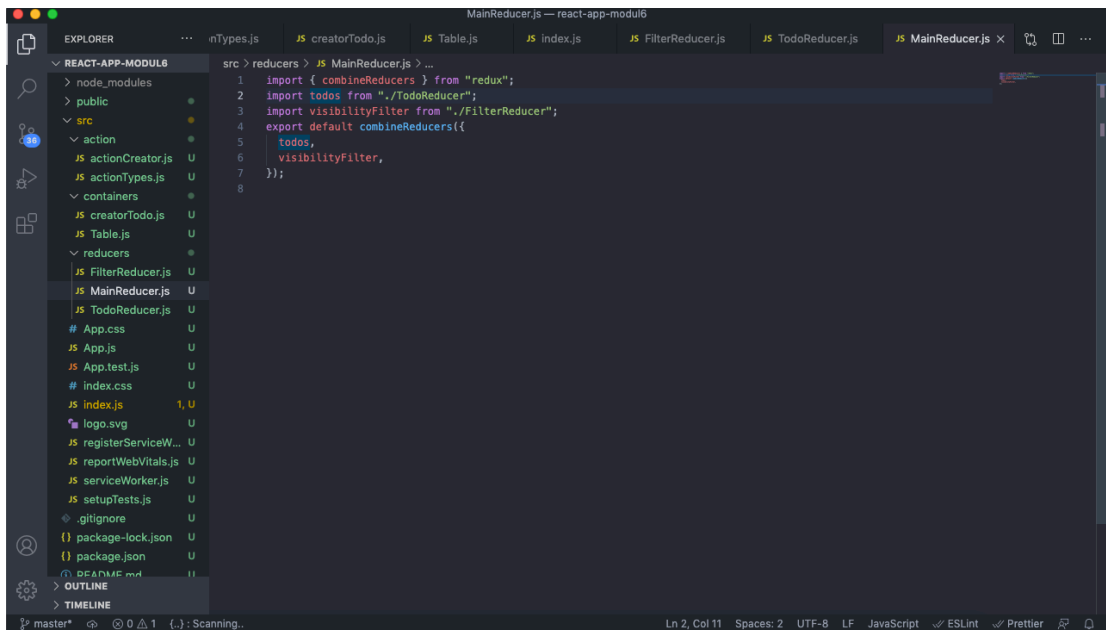


The screenshot shows the VS Code editor with the 'TodoReducer.js' file open in the 'reducers' folder. The Explorer sidebar on the left shows the project structure with 'src' > 'reducers' expanded. The code in the editor is as follows:

```
1 import { ADD_TODO, REMOVE_TODO, TOGGLE_TODO } from "../action/actionTypes";
2 const INITIAL_DATA = [];
3 const TodoReducer = (state = INITIAL_DATA, action) => {
4   switch (action.type) {
5     case ADD_TODO:
6       return [
7         ...state,
8         {
9           id: action.id,
10          text: action.text,
11          completed: false,
12        },
13       ];
14     case TOGGLE_TODO:
15       return state.map((todo) => {
16         const numIndex = parseInt(action.id);
17         return { ...todo, completed: !todo.completed };
18       });
19     case REMOVE_TODO:
20       const numIndex = parseInt(action.id);
21       return state.filter((todo) => todo.id !== numIndex);
22     default:
23       return state;
24   }
25 };
26 export default TodoReducer;
```

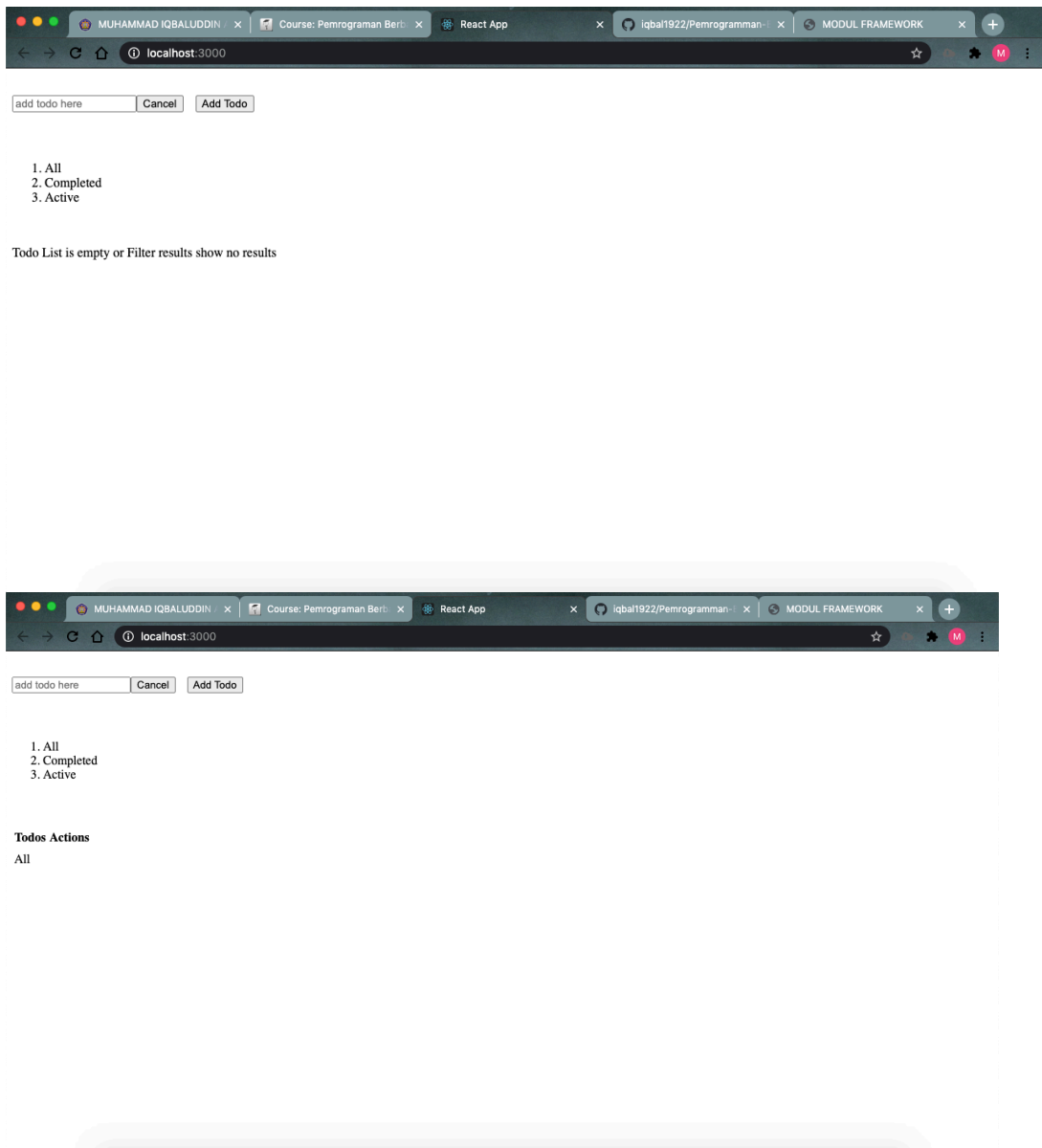
8

Buat file dengan nama MainReducer.js dan simpan



```
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
```

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



10	https://github.com/iqbal1922/Pemrogramman-Berbasis-Framework/tree/master/Minggu%206%20-%20Redux
	https://youtu.be/ZnJiBWw0x2A
11	

-- Selamat Mengerjakan --