

LAPORAN MATA KULIAH
PEMROGAMAN BERBASIS FRAMEWORK
“ MODUL 4 ”



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PROGRAM STUDI D-IV TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
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listMahasiswa.json

```
(base) ivans-MacBook-Pro:modul4 ivancrisnanda$ json-server --watch listMahasiswa.json
```

```
[
  \{^_^\}/ hi!

Loading listMahasiswa.json
Oops, listMahasiswa.json doesn't seem to exist
Creating listMahasiswa.json with some default data

Done

Resources
http://localhost:3000/posts
http://localhost:3000/comments
http://localhost:3000/profile

Home
http://localhost:3000
```

```
listMahasiswa.json x
1 {
2   "mhs": [
3     {
4       "userId": 1,
5       "nim": "1741720024",
6       "nama": "ivan crisnanda",
7       "alamat": "donayan",
8       "hp": "081231672170",
9       "angkatan": "2017",
10      "status": "Aktif",
11      "id": 2
12    }
13  ],
14  "comments": [],
15  "profile": {
16    "name": "typicode"
17  }
18 }
```

Index.js

```
index.js x
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import './index.css';
4 import App from './App';
5 import * as serviceWorker from './serviceWorker';
6 import HelloComponent from './component/HelloComponent';
7 import StatefullComponent from './container/StatefullComponent';
8 import Login from './container/Login';
9 import BlogPost from './container/BlogPost/BlogPost';
10 import MhsPost from './container/MhsPost/MhsPost';
11 // function HelloWorld(){
12 //   return <p> ini adalah function component </p>
13 // }
14
15 // const HelloWorld = () => {
16 //   return <p> ini adalah arrow function </p>
17 // }
18
19 // class Statefull extends React.Component {
20 //   render(){
21 //     return <h1>Hello, {this.props.name}</h1>
22 //   }
23 // }
24
25 ReactDOM.render(<MhsPost />, document.getElementById('root'));
26
27 // If you want your app to work offline and load faster, you can change
28 // unregister() to register() below. Note this comes with some pitfalls.
29 // Learn more about service workers: https://bit.ly/CRA-PWA
30 serviceWorker.unregister();
```

Index.css

```
index.css
1 body {
2   margin: 0;
3   font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
4     'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
5     sans-serif;
6   -webkit-font-smoothing: antialiased;
7   -moz-osx-font-smoothing: grayscale;
8 }
9
10 code {
11   font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
12     monospace;
13 }
14 #sidebar {
15   background-color: blanchedalmond;
16   padding: 10px;
17 }
18 #content {
19   background-color: lightblue;
20 }
```

MhsPost.jsx

```
1 import React, {Component} from 'react';
2 import './MhsPost.css';
3 import Mhs from '../component/MhsPost/Mhs';
4 class MhsPost extends Component {
5   state = {
6     listMhs: [],
7     insertMhs: {
8       userId: 1,
9       id: 1,
10      nim: "",
11      nama: "",
12      alamat: "",
13      hp: "",
14      angkatan: "",
15      status: ""
16    }
17  }
18  ambilDataDariServerAPI = () => {
19    fetch('http://localhost:3002/mhs?_sort=id&_order=desc')
20      .then(response => response.json())
21      .then(jsonHasilAmbilDariApi => {
22        this.setState({
23          listMhs: jsonHasilAmbilDariApi
24        })
25      })
26  }
27  componentDidMount() {
28    this.ambilDataDariServerAPI()
29  }
30  handleHapusMhs = (data) => {
31    fetch('http://localhost:3002/mhs/${data}',
32      [{method: 'DELETE'}])
33      .then(res => {
34        this.ambilDataDariServerAPI()
35      })
36  }
37  handleTambahMhs = (event) => {
38    let forminsertMhs = {...this.state.insertMhs};
39    let timestamp = new Date().getTime();
40    forminsertMhs['id'] = timestamp;
41    forminsertMhs[event.target.name] = event.target.value;
42    this.setState({
43      insertMhs: forminsertMhs
44    });
45  }
46  handleTombolSimpan = () => {
47    fetch('http://localhost:3002/mhs', [{
48      method: 'post',
49      headers: {
50        'Accept': 'application/json',
51        'Content-Type': 'application/json'
52      },
53      body: JSON.stringify(this.state.insertMhs)
54    }])
55      .then((Response) => {
56        this.ambilDataDariServerAPI();
57      });
58  }
59  render() {
60    return (
61      <div className="post-mhs">
62        <div className="form pb-2 border-bottom">
63          <div className="form-group row">
64            <label htmlFor="nim" className="col-sm-2 col-form-label">NIM</label>
65            <div className="col-sm-10">
66              <input type="text" className="form-control" id="nim" name="nim"
67                onChange={this.handleTambahMhs}/>
68            </div>
69          </div>
70          <div className="form-group row">
71            <label htmlFor="nama" className="col-sm-2 col-form-label">Nama</label>
72            <div className="col-sm-10">
73              <input type="text" className="form-control" id="nama" name="nama"
74                onChange={this.handleTambahMhs}/>
75            </div>
76          </div>
77          <div className="form-group row">
78            <label htmlFor="alamat" className="col-sm-2 col-form-label">Alamat</label>
79            <div className="col-sm-10">
80              <input type="text" className="form-control" id="alamat" name="alamat"
81                onChange={this.handleTambahMhs}/>
82            </div>
83          </div>
84          <div className="form-group row">
85            <label htmlFor="hp" className="col-sm-2 col-form-label">Hp</label>
86            <div className="col-sm-10">
87              <input type="text" className="form-control" id="hp" name="hp"
88                onChange={this.handleTambahMhs}/>
89            </div>
90          </div>
91          <div className="form-group row">
92            <label htmlFor="angkatan" className="col-sm-2 col-form-label">Angkatan</label>
93            <div className="col-sm-10">
94              <input type="text" className="form-control" id="angkatan" name="angkatan"
95                onChange={this.handleTambahMhs}/>
96            </div>
97          </div>
98          <div className="form-group row">
99            <label htmlFor="status" className="col-sm-2 col-form-label">Status</label>
100           <div className="col-sm-10">
```

```

101         <input type="text" className="form-control" id="status" name="status"
102             onChange={this.handleTambahMhs}/>
103     </div>
104 </div>
105     <button type="submit" className="btn btn-primary"
106         onClick={this.handleTombolSimpan}>Simpan</button>
107 </div>
108 <h2>Daftar Mahasiswa</h2>
109 {
110     this.state.listMhs.map(mhs => {
111         return <Mhs
112             key={mhs.id}
113             nim={mhs.nim}
114             nama={mhs.nama}
115             alamat={mhs.alamat}
116             hp={mhs.hp}
117             angkatan={mhs.angkatan}
118             status={mhs.status}
119             idMhs={mhs.id}
120             hapusMhs={this.handleHapusMhs}
121             />
122         )
123     }
124 </div>
125 )
126 }
127 }
128 export default MhsPost;

```

MhsPost.css

```

1  .mhs-mhs {
2      padding: 10px;
3  }
4  .mhs {
5      width: 100%;
6      padding: 10px;
7      border: 1px solid blue;
8      border-radius: 4px;
9      margin-bottom: 10px;
10     box-shadow: 0 0 16px rgba(0, 0, 0, 0.5);
11     display: flex;
12 }
13 .gambar-mhs {
14     height: 240px;
15     width: 240px;
16     margin-right: 10px;
17     vertical-align: top;
18 }
19 .gambar-mhs img {
20     width: 100%;
21     height: 100%;
22     object-fit: cover;
23 }
24 .konten-mhs {
25     flex: 1;
26 }
27 .konten-mhs div.judul-mhs {
28     font-size: 20px;
29     font-weight: bold;
30     margin-bottom: 10px;
31 }
32 .konten-mhs p.isi-mhs {
33     font-size: 16px;
34     margin-bottom: 10px;
35 }
36 .form {
37     padding: 10px;
38 }

```

Mhs.jsx

```
1 import React from 'react';
2 const Mhs = (props) => {
3   return (
4     <div className="mhs-mhs">
5       <div className="mhs">
6         <div className="gambar-mhs">
7           
8         </div>
9         <div className="konten-mhs">
10          <table className="table table-borderless table-sm">
11            <tr>
12              <td>NIM</td>
13              <td>:</td>
14              <td>{props.nim}</td>
15            </tr>
16            <tr>
17              <td>Nama</td>
18              <td>:</td>
19              <td>{props.nama}</td>
20            </tr>
21            <tr>
22              <td>Alamat</td>
23              <td>:</td>
24              <td>{props.alamat}</td>
25            </tr>
26            <tr>
27              <td>No Telepon</td>
28              <td>:</td>
29              <td>{props.hp}</td>
30            </tr>
31            <tr>
32              <td>Angkatan</td>
33              <td>:</td>
34              <td>{props.angkatan}</td>
35            </tr>
36            <tr>
37              <td>Status</td>
38              <td>:</td>
39              <td>{props.status}</td>
40            </tr>
41          </table>
42          <button className="btn btn-sm btn-warning"
43            onClick={() => props.hapusMhs(props.idMhs)}>
44            Hapus
45          </button>
46        </div>
47      </div>
48    </div>
49  )
50 }
51 export default Mhs;
```

Hasil

← → ↻ localhost:3000

Apps Empire Settings - Search...

NIM

Nama

Alamat

Hp

Angkatan

Status

Daftar Mahasiswa