

Pemrograman Berbasis Framework

"Firebase ReactJS"



Oleh :

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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1.) Index.js

```
JS Join.js JS Header.js JS route.js # style.css JS firebase.config.js JS index.js x
1 import React, { useState } from "react";
2 import ReactDOM from "react-dom";
3 import { Switch, BrowserRouter as Router, Route } from "react-router-dom";
4 import routes from "./route.js";
5 import Header from "./Header";
6 import "./style.css";
7 import * as firebase from "firebase";
8 import firebaseConfig from "./firebase.config";
9
10 firebase.initializeApp(firebaseConfig);
11
12 export const AuthContext = React.createContext(null);
13
14 function App() {
15   const [isLoggedIn, setLoggedIn] = useState(false);
16
17
18
19   return (
20     <AuthContext.Provider value={{ isLoggedIn, setLoggedIn }}>
21       Is logged in? {JSON.stringify(isLoggedIn)}
22       <div className="App">
23         <Router>
24           <Header />
25           <Switch>
26             {routes.map((route) => (
27               <Route
28                 key={route.path}
29                 path={route.path}
30                 exact={route.exact}
31                 component={route.main}
32               />
33             ))}
34           </Switch>
35         </Router>
36       </div>
37     </AuthContext.Provider>
38   );
39 }
40
41 const rootElement = document.getElementById("root");
42 ReactDOM.render(<App />, rootElement);
```

2.) Join.js

```
JS Join.js x JS Header.js JS route.js # style.css JS firebase.config.js JS index.js
1 import React, {useState, useContext} from 'react'
2 import { AuthContext } from "../index";
3 import * as firebase from "firebase";
4
5 const Join = () => {
6   const [email, setEmail] = useState("");
7   const [password, setPassword] = useState("");
8   const [error, setErrors] = useState("");
9
10  const Auth = useContext(AuthContext);
11  const handleForm = (e) => {
12    e.preventDefault();
13    firebase
14      .auth()
15      .createUserWithEmailAndPassword(email, password)
16      .then(res=>{
17        if(res.user) Auth.setLoggedIn(true);
18      })
19      .catch(e =>{
20        setErrors(e.message);
21      })
22  };
23
24  return (
25    <div>
26      <h1>Join</h1>
27      <form onSubmit={(e) => handleForm(e)}>
28        <input
29          value={email}
30          onChange={(e) => setEmail(e.target.value)}
31          name="email"
32          type="email"
33          placeholder="email"
34        />
35        <input
36          onChange={(e) => setPassword(e.target.value)}
37          name="password"
38          value={password}
39          type="password"
40          placeholder="password"
41        />
42        <hr />
43        <button
44          className="googleBtn"
45          type="button"
46        >
47          
51          Join With Google
52        </button>
53        <button type="submit">Login</button>
54        <span>{error}</span>
55      </form>
56    </div>
```

```
56   </div>
57   )
58 }
59
60 export default Join
61
```

3.) Header.js

```
● JS Join.js JS Header.js x JS route.js # style.css JS firebase.config.js JS in

1 import React from 'react';
2 import routes from './route';
3 import { Link } from "react-router-dom";
4
5 const Header = () => (
6   <ul className="nav">
7     {routes.map((route, i) =>(
8       <li key={i}>
9         <Link to={route.path}>{route.name}</Link>
10      </li>
11    ))}
12   </ul>
13 );
14
15 export default Header;
16
```

4.) Routes.js

```
● JS Join.js JS Header.js JS route.js x # style.css JS firebase.config.js

1 import React from "react";
2 import Login from "./Login";
3 import Join from "./Join";
4
5 const routes = [
6   {name: "Join", path: "/", exact:true, main: ()=> <Join/>},
7   {name: "Login", path: "/login", exact: true, main: ()=> <Login/>}
8 ];
9
10 export default routes;
```

5.) Login.js

```
JS Login.js • JS Join.js JS Header.js JS route.js # style.css JS firebase.config.js JS
1 import React, {useState, useContext} from "react";
2 import {AuthContext} from './index';
3 import * as firebase from "firebase";
4
5 const Login = () => {
6   const [email, setEmail] = useState("");
7   const [password, setPassword] = useState("");
8   const [error, setErrors] = useState("");
9
10  const Auth = useContext(AuthContext);
11  const handleForm = e => {
12    e.preventDefault();
13    console.log(Auth);
14    Auth.setLoggedIn(true);
15  };
16
17  return (
18    <div>
19      <h1>Login</h1>
20      <form onSubmit={(e) => handleForm(e)}>
21        <input
22          value={email}
23          onChange={(e) => setEmail(e.target.value)}
24          name="email"
25          type="email"
26          placeholder="email"
27        />
28
29        <input
30          onChange={(e) => setPassword(e.target.value)}
31          name="password"
32          value={password}
33          type="password"
34          placeholder="password"
35        />
36        <hr />
37        <button className="googleBtn" type="button">
38          
42          Login With Google
43        </button>
44        <button type="submit">Login</button>
45        <span>{error}</span>
46      </form>
47    </div>
48  )
49 };
50
51 export default Login
52
```

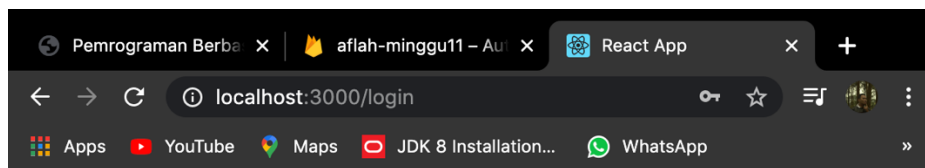
6.) Firebase.config.js

```
JS Login.js JS Join.js JS Header.js JS route.js # style.css JS firebase.config.js x JS
1 export default {
2   apiKey: "AIzaSyDMUQ4tX09WjtW_4-v-ZQUMWFT8ljfAmBU",
3   authDomain: "aflah-minggu11.firebaseio.com",
4   databaseURL: "https://aflah-minggu11.firebaseio.com",
5   projectId: "aflah-minggu11",
6   storageBucket: "aflah-minggu11.appspot.com",
7   messagingSenderId: "773454424562",
8   appId: "1:773454424562:web:54afebf4dfac353d13e36b",
9   measurementId: "G-LS1BHGTBMX"
10  };
```

7.) Style.css

```
JS Login.js JS Join.js JS Header.js JS route.js # style.css x JS firebase.config.js JS
1 .App {
2   font-family: sans-serif;
3   padding: 50px;
4 }
5 h1 {
6   margin: 0 0 25px 0;
7   text-align: left;
8 }
9 form {
10  display: flex;
11  flex-direction: column;
12 }
13
14 input {
15   max-width: 450px;
16   width: auto;
17   border: none;
18   margin: 0 0 25px 0;
19   box-shadow: 0 1px 3px rgba(0, e, 0, 0.12), e 1px 2px rgba(0, e, 0, 0.24);
20   transition: all 0.3s cubic-bezier(0.25, 0.8, 0.25, 1);
21   padding: 10px;
22 }
23
24 button {
25   width: 125px;
26   box-shadow: e 1px 3px rgba(0, e, 0, 0.12), 0 1px 2px rgba(e, 0, e, 0.24);
27   border: none;
28   padding: 7px;
29   text-align: center;
30   cursor: pointer;
31 }
32 button[type="submit"] {
33   background-color: #4c566a;
34   color: white;
35   font-size: 14px;
36   font-weight: 900;
37   border-radius: 5px;
38   text-transform: uppercase;
39   padding: 15px;
40 }
41 .googleBtn {
42   width: 225px;
43   margin: 0 0 50px 0;
44   display: flex;
45   justify-content: center;
46   font-size: 16px;
47 }
48
49 .googleBtn img {
50   width: 16px;
51   height: 16px;
52   padding: 0;
53   margin: 0 5px;
54   vertical-align: middle;
55 }
```

8.) Output




Is logged in? false

[Join](#) [Login](#)

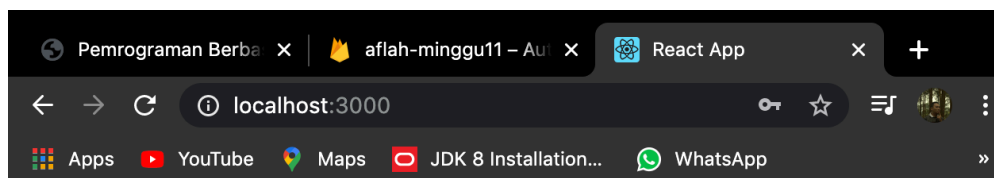
Login

email

password

 Login With Google

LOGIN



Is logged in? false

[Join](#) [Login](#)

Join

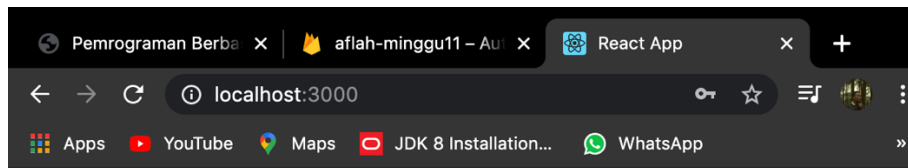
email

password

 Join With Google

LOGIN

- 9.) Setelah Membuat Firebase, Menyambungkannya, Berhasil
- a. Join Class



Is logged in? false

[Join](#) [Login](#)

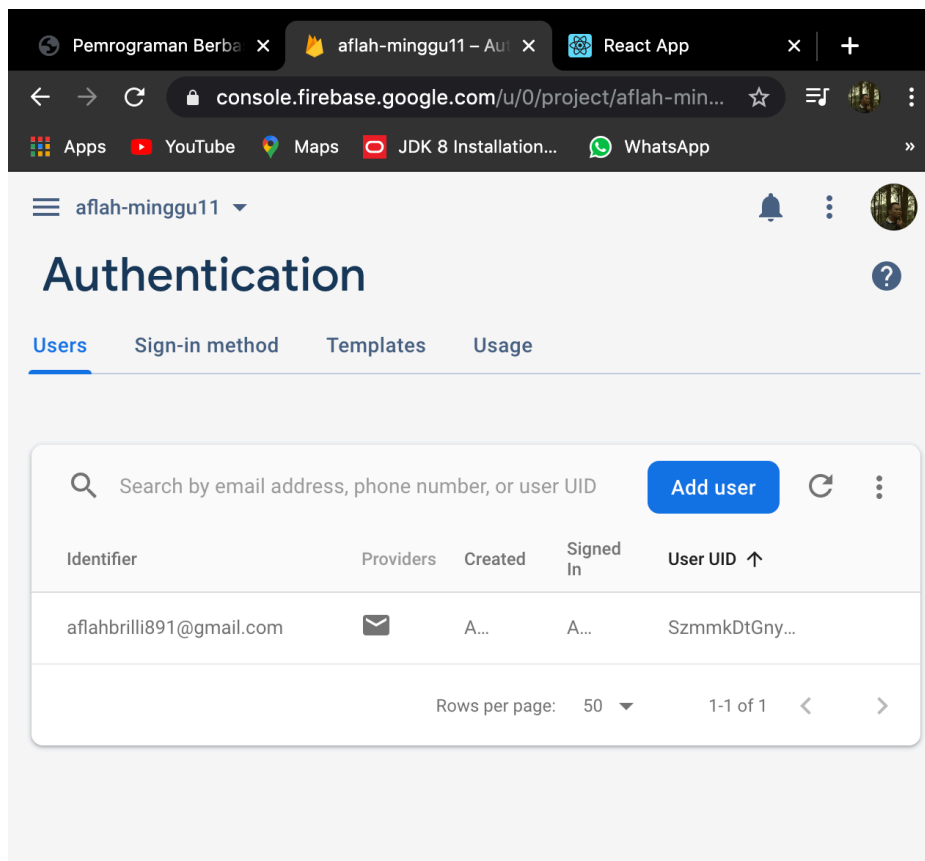
Join

email

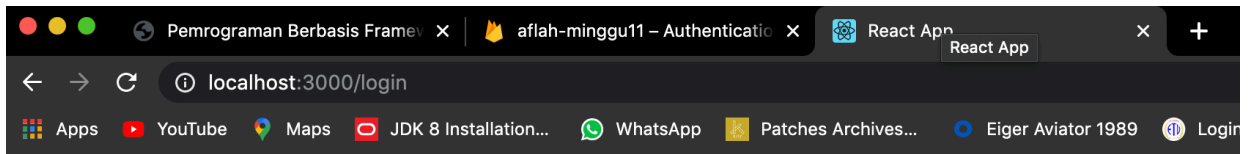
password

 Join With Google

LOGIN



b. Login Class



Is logged in? false

[Join](#) [Login](#)

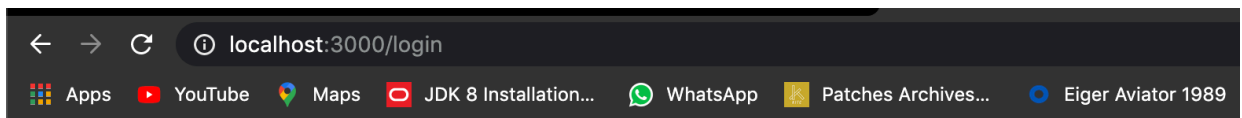
Login

aflahbrilli891@gmail.com

.....

 Login With Google

LOGIN



Is logged in? true

[Join](#) [Login](#)

Login

aflahbrilli891@gmail.com

.....

 Login With Google

LOGIN

10.) Login With Google

