

Pemrograman Berbasis Framework

"Firebase ReactJS"



Oleh :

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

1.) Index.js

```
JS Login.js JS LoginWithGoogle.js JS index.js X JS firebase.config.js JS Join.js JS Header.js JS routes.js
pertemuan-kesebelas > react-firebase > src > JS index.js > App
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 "../routes.js";
5 import Header from "../Header";
6 import "../style.css";
7 import * as firebase from "firebase";
8 import firebaseConfig from "../firebase.config";
9
10 import * as serviceWorker from "../serviceWorker";
11
12 firebase.initializeApp(firebaseConfig);
13
14 export const AuthContext = React.createContext(null);
15
16 function App(){
17   const [isLoggedIn, setLoggedIn] = useState(false);
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
42 const rootElement = document.getElementById("root");
43 ReactDOM.render(<App />, document.getElementById('root'));
```

2.) Join.js

```
JS Login.js JS LoginWithGoogle.js JS index.js JS firebase.config.js JS Join.js X JS Header.js JS rc
pertemuan-kesebelas > react-firebase > src > JS Join.js > [0] Join
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.auth().createUserWithEmailAndPassword(email, password).then(res => {
14      if (res.user) Auth.setLoggedIn(true);
15    })
16    .catch(e => {
17      setErrors(e.message);
18    });
19  };
20
21  return(
22    <div>
23      <h1>Join</h1>
24      <form onSubmit={e => handleForm(e)}>
25        <input
26          value={email}
27          onChange={e => setEmail(e.target.value)}
28          name="email"
29          type="email"
30          placeholder="email"
31        />
32        <input
33          onChange={e => setPassword(e.target.value)}
34          name="password"
35          value={password}
36          type="password"
37          placeholder="password"
38        />
39        <hr />
40        <button class="googleBtn" type="button">
41          
45          Login With Google
46        </button>
47        <button type="submit">Login</button>
48        <span>{error}</span>
49      </form>
50    </div>
51  );
52 };
53
54 export default Join;
```

3.) Header.js

```
JS Login.js JS LoginWithGoogle.js JS index.js JS firebase.config.js JS Join.js JS Header.js X
pertemuan-kesebelas > react-firebase > src > JS Header.js > [⌕] default
1 import React from "react";
2 import routes from "./routes";
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  )}
13 );
14
15 export default Header;
```

4.) Routes.js

```
JS Login.js JS LoginWithGoogle.js JS index.js JS firebase.config.js JS Join.js JS Header.js JS routes.js X
pertemuan-kesebelas > react-firebase > src > JS routes.js > [⌕] default
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 x JS LoginWithGoogle.js JS index.js JS firebase.config.js JS Join.js JS Header.js JS routes.js
pertemuan-kesebelas > react-firebase > src > JS Login.js > Login
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    firebase.auth().signInWithEmailAndPassword(email, password).then(res => {
14      if (res.user) Auth.setLoggedIn(true);
15    })
16    .catch(e => {
17      setErrors(e.message);
18    });
19  };
20
21  return (
22    <div>
23      <h1>Login</h1>
24      <form onSubmit={e => handleForm(e)}>
25        <input
26          value={email}
27          onChange={e => setEmail(e.target.value)}
28          name="email"
29          type="email"
30          placeholder="email"
31        />
32        <input
33          onChange={e => setPassword(e.target.value)}
34          name="password"
35          value={password}
36          type="password"
37          placeholder="password"
38        />
39        <hr />
40        <button class="googleBtn" type="button">
41          
45          Login With Google
46        </button>
47        <button type="submit">Login</button>
48        <span>{error}</span>
49      </form>
50    </div>
51  );
52 };
53
54 export default Login;
```

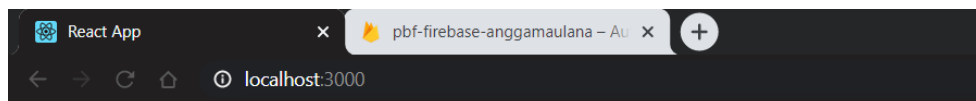
6.) Firebase.config.js

```
JS Login.js JS LoginWithGoogle.js JS index.js JS firebase.config.js X JS Join.js
pertemuan-kesebelas > react-firebase > src > JS firebase.config.js > ...
1 export default {
2   apiKey: "AIzaSyBg_bvEm57VZ9IKU7Nu3EtU89e71QekAL0",
3   authDomain: "pbf-firebase-anggamaulana.firebaseio.com",
4   databaseURL: "https://pbf-firebase-anggamaulana.firebaseio.com",
5   projectId: "pbf-firebase-anggamaulana",
6   storageBucket: "pbf-firebase-anggamaulana.appspot.com",
7   messagingSenderId: "327973527006",
8   appId: "1:327973527006:web:e62575ad86780941c8914f",
9 };
10
```

7.) Style.css

```
JS Login.js JS LoginWithGoogle.js JS index.js JS firebase.config.js JS Join.js JS Header.js JS routes.js style.css X
pertemuan-kesebelas > react-firebase > src > style.css > .nav li
1 .App {
2   font-family: sans-serif;
3   padding: 50px;
4 }
5
6 h1 {
7   margin: 0 0 25px 0;
8   text-align: left;
9 }
10
11 form {
12   display: flex;
13   flex-direction: column;
14 }
15
16 input {
17   max-width: 450px;
18   width: auto;
19   border: none;
20   margin: 0 0 25px 0;
21   box-shadow: 0 1px 3px 0 rgba(0, 0, 0, 0.12), 0 1px 2px 0 rgba(0, 0, 0, 0.24);
22   transition: all 0.3s cubic-bezier(0.25, 0.8, 0.25, 1);
23   padding: 10px;
24 }
25
26 button {
27   width: 125px;
28   box-shadow: 0 1px 3px 0 rgba(0, 0, 0, 0.12), 0 1px 2px 0 rgba(0, 0, 0, 0.24);
29   border: none;
30   padding: 7px;
31   text-align: center;
32   cursor: pointer;
33 }
34
35 button[type="submit"] {
36   background-color: #4c566a;
37   color: white;
38   font-size: 14px;
39   font-weight: 900;
40   border-radius: 5px;
41   text-transform: uppercase;
42   padding: 15px;
43 }
44
45 .googleBtn {
46   width: 225px;
47   margin: 0 0 50px 0;
48   display: flex;
49   justify-content: center;
50   font-size: 16px;
51 }
52
53 .googleBtn img {
54   width: 16px;
55   height: 16px;
56   padding: 0;
57   margin: 0 5px;
58   vertical-align: middle;
59 }
60
61 .nav {
62   display: flex;
63   text-decoration: none;
64   list-style-type: none;
65   justify-content: flex-start;
66   margin: 0 0 50px;
67   padding: 0;
68 }
69
70 .nav li {
71   margin: 0 10px;
72 }
```


8.) Output



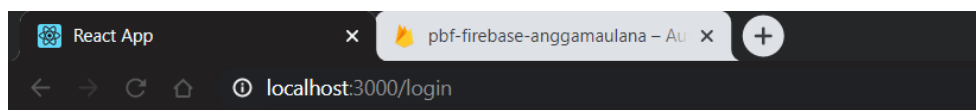
Is Logged in? false

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

Join

 Login With Google


LOGIN



Is Logged in? false

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

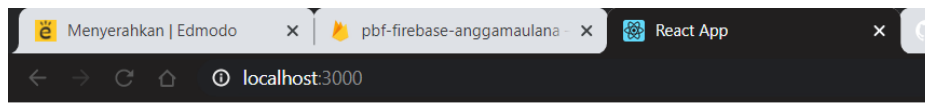
Login

 Login With Google

LOGIN

9.) Setelah Membuat Firebase, Menyambungkannya, Berhasil


a. Join Class



Is Logged in? true

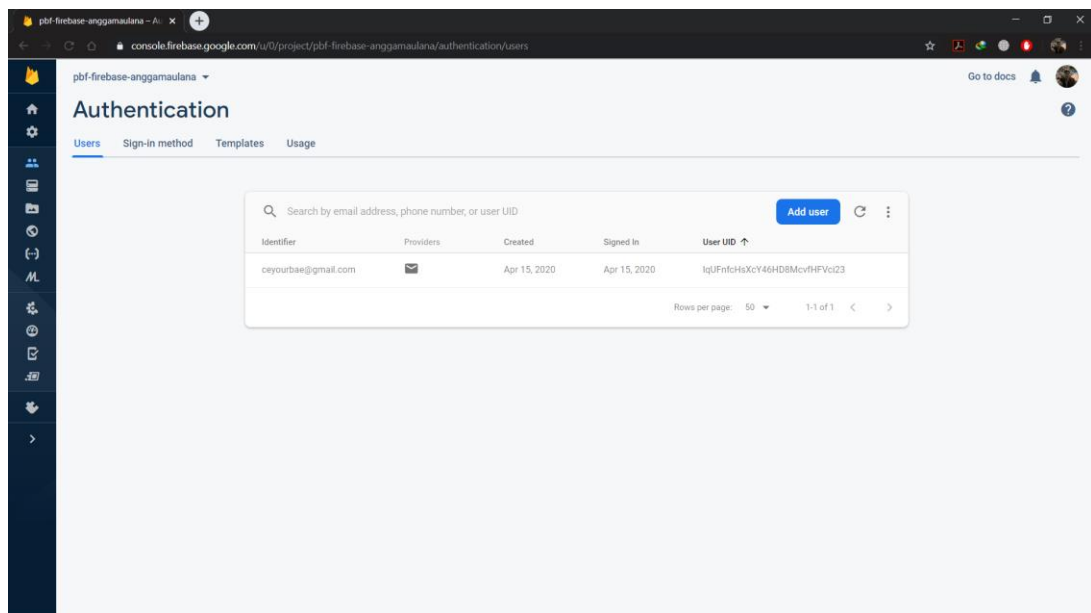
[Join](#) [Login](#)

Join

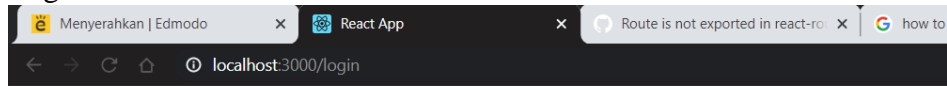
 Login With Google

LOGIN

The email address is already in use by another account.




b. Login Class



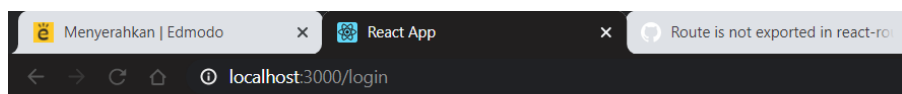
Is Logged in? false

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

Login

 Login With Google


LOGIN



Is Logged in? true

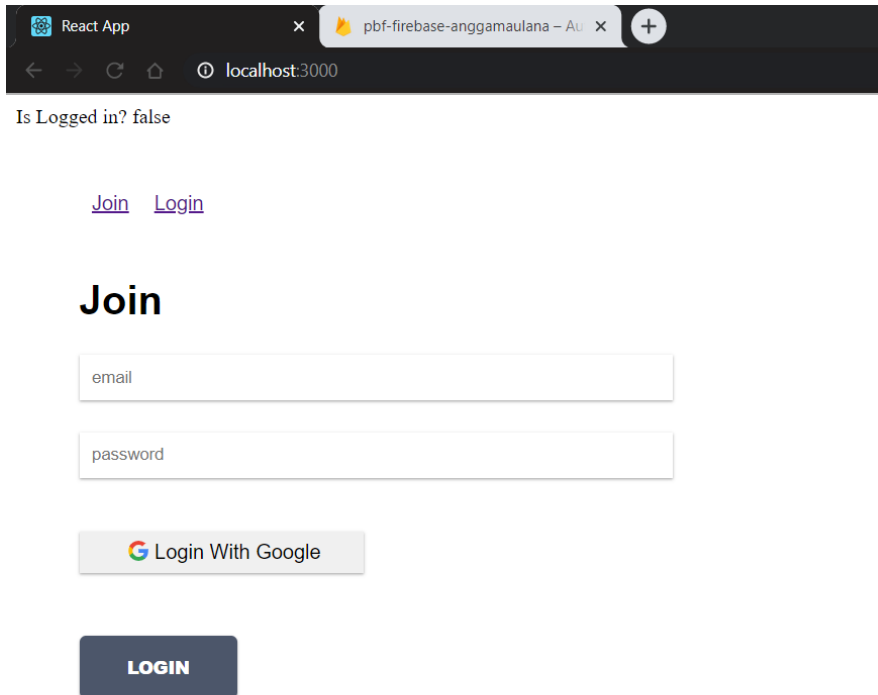
[Join](#) [Login](#)

Login

 Login With Google

LOGIN

10.) Login With Google



React App x pbf-firebase-anggamaulana - Au x +

localhost:3000


Is Logged in? false

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

Join

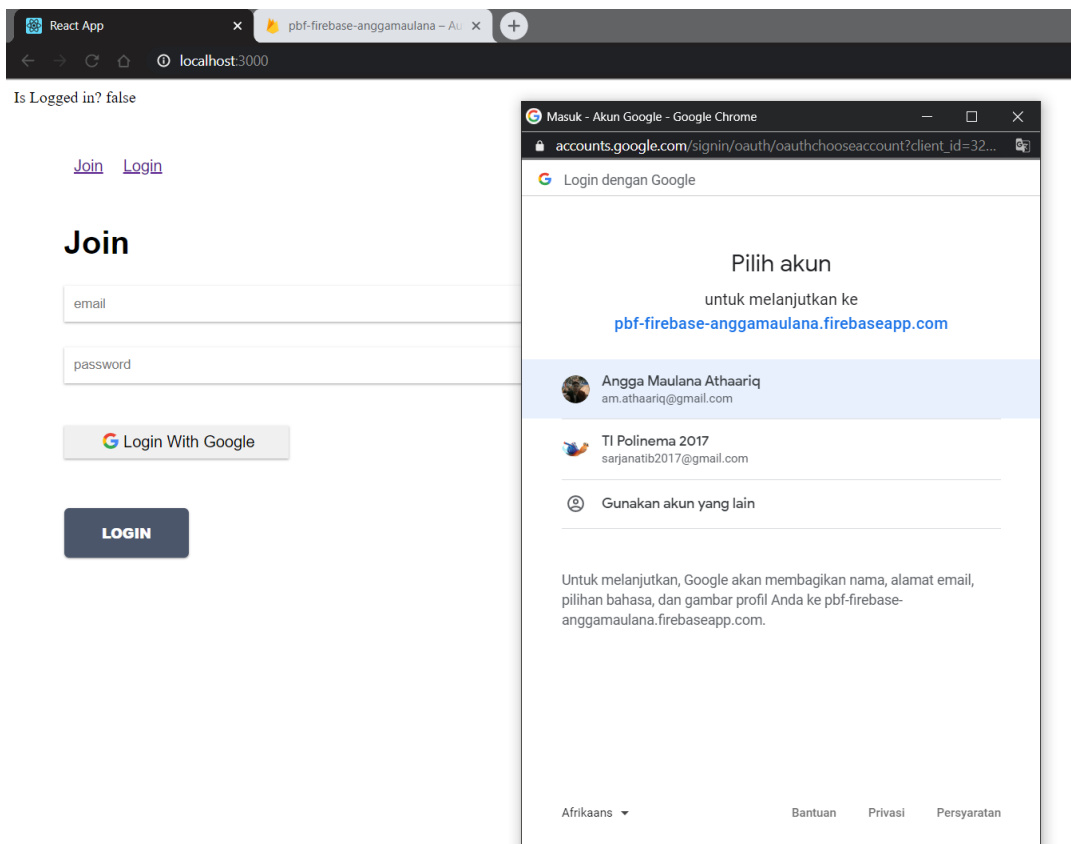
email

password

 Login With Google

LOGIN

Sebelum menekan tombol Login With Google



React App x pbf-firebase-anggamaulana - Au x +

localhost:3000


Is Logged in? false

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

Join

email

password

 Login With Google


LOGIN


Masuk - Akun Google - Google Chrome


accounts.google.com/signin/oauth/oauthchooseaccount?client_id=32...

Login dengan Google

Pilih akun
untuk melanjutkan ke
pbf-firebase-anggamaulana.firebaseio.com

 Angga Maulana Athaariq
am.athaariq@gmail.com

 TI Polinema 2017
sarjanatib2017@gmail.com

 Gunakan akun yang lain

Untuk melanjutkan, Google akan membagikan nama, alamat email, pilihan bahasa, dan gambar profil Anda ke pbf-firebase-anggamaulana.firebaseio.com.

Afrikaans ▾ Bantuan Privasi Persyaratan

Ketika menekan tombol Login With Google maka akan muncul action Pop-Up memilih email untuk mendaftar

