

LAPORAN MATA KULIAH
PEMROGAMAN BERBASIS FRAMEWORK
“ MODUL 10 ”



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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

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Index.js

```
index.js
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";
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 |  return (
18 |    <AuthContext.Provider value={{ isLoggedIn, setLoggedIn }}>
19 |      Is Logged in? {JSON.stringify(isLoggedIn)}
20 |      <div className="App">
21 |        <Router>
22 |          <Header/>
23 |          <Switch>
24 |            {routes.map(route => (
25 |              <Route
26 |                key = {route.path}
27 |                path = {route.path}
28 |                exact = {route.exact}
29 |                component = {route.main}
30 |              />
31 |            ))}
32 |          </Switch>
33 |        </Router>
34 |      </div>
35 |    </AuthContext.Provider>
36 |  )
37 |}
38
39 |const rootElement = document.getElementById("root");
40 |ReactDOM.render(<App />, rootElement);
```

Login.js

```

Login.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   const Auth = useContext(AuthContext);
10  const handleForm = (e) => {
11    e.preventDefault();
12    firebase
13      .auth()
14      .signInWithEmailAndPassword(email, password)
15      .then((res) => {
16        if (res.user) Auth.setLoggedIn(true);
17        console.log(Auth);
18      })
19      .catch((e) => {
20        setErrors(e.message);
21      });
22  };
23
24  return (
25    <div>
26      <h1>Login</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
36        <input
37          onChange={(e) => setPassword(e.target.value)}
38          name="password"
39          value={password}
40          type="password"
41          placeholder="password"
42        />
43        <hr />
44        <button class="googleBtn" type="button">
45          
49          Login With Google
50        </button>
51        <button type="submit">Login</button>
52        <span>{error}</span>
53      </form>
54    </div>
55  );
56 };
57
58 export default Login;

```

Join.js

```

Join.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 |   const Auth = useContext(AuthContext);
10 |   const handleForm = (e) => {
11 |     e.preventDefault();
12 |     firebase
13 |       .auth()
14 |       .createUserWithEmailAndPassword(email, password)
15 |       .then((res) => {
16 |         if (res.user) Auth.setLoggedIn(true);
17 |       })
18 |       .catch((e) => {
19 |         setErrors(e.message);
20 |       });
21 |   };
22 |
23 |   const googleJoin = () => {
24 |     const provider = new firebase.auth.GoogleAuthProvider();
25 |     firebase
26 |       .auth()
27 |       .signInWithPopup(provider)
28 |       .then((res) => {
29 |         console.log(res);
30 |         Auth.setLoggedIn(true);
31 |       });
32 |   };
33 |
34 |   return (
35 |     <div>
36 |       <h1>Join</h1>
37 |       <form onSubmit={(e) => handleForm(e)}>
38 |         <input
39 |           value={email}
40 |           onChange={(e) => setEmail(e.target.value)}
41 |           name="email"
42 |           type="email"
43 |           placeholder="email"
44 |         />
45 |         <input
46 |           onChange={(e) => setPassword(e.target.value)}
47 |           name="password"
48 |           value={password}
49 |           type="password"
50 |           placeholder="password"
51 |         />
52 |         <hr />
53 |         <button
54 |           class="googleBtn"
55 |           type="button"
56 |           onClick={() => googleJoin()}
57 |         >
58 |           
62 |           Join With Google
63 |         </button>
64 |         <button type="submit">Login</button>
65 |         <span>{error}</span>
66 |       </form>
67 |     </div>
68 |   );
69 | };
70 |
71 | export default Join;

```

Header.js

```
Header.js
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   </ul>
13 );
14
15 export default Header;
```

Routes.js

```
routes.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;
```

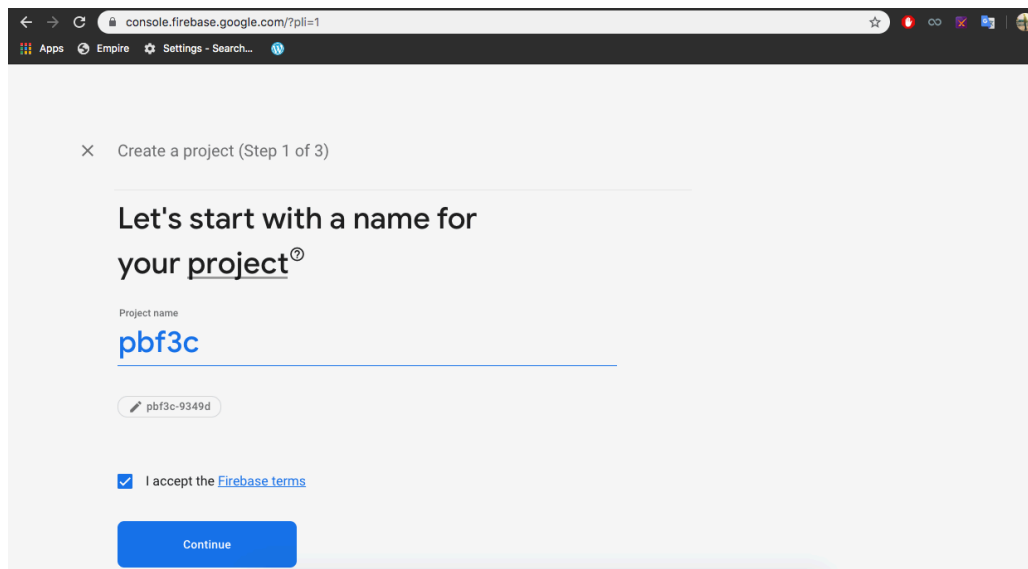
Style.css

```
style.css
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 rgba(0, 0, 0, 0.12), 0 1px 2px 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 rgba(0, 0, 0, 0.12), 0 1px 2px 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 0;
67 |    padding: 0;
68 |}
69 |
70 |.nav li{
71 |    margin: 0 10px;
72 |}
```

Firebase.config.js

```
firebase.config.js
1 |export default {
2 |    apiKey: "AIzaSy8JyLYmxvb0UBpvxIS0VEPFcNcGZA_GaQQ",
3 |    authDomain: "pbf3c-9349d.firebaseio.com",
4 |    databaseURL: "https://pbf3c-9349d.firebaseio.com",
5 |    projectId: "pbf3c-9349d",
6 |    storageBucket: "pbf3c-9349d.appspot.com",
7 |    messagingSenderId: "903782047351",
8 |    appId: "1:903782047351:web:27baea2dd5d3bc5fb0b072",
9 |    measurementId: "G-VE5CZBG0S4"
10 |};
```

Buat project di console.firebase.google.com



Hasil (sebelum di login)



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

Join

 Join With Google

LOGIN



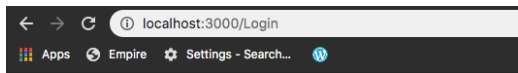
- [Join](#)
- [Login](#)

Login

 Login With Google

LOGIN


Hasil setelah di login



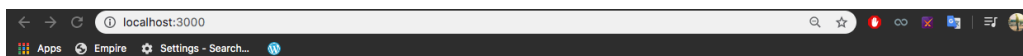
Is Logged in? true

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

Login

 Login With Google

LOGIN



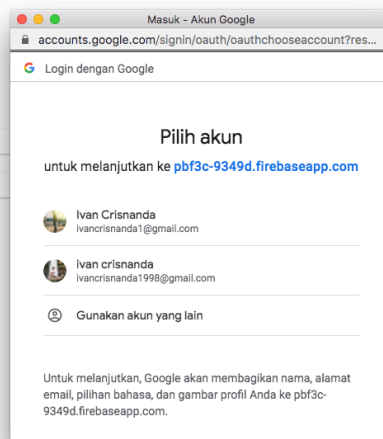
Is Logged in? false

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

Join

 Join With Google


LOGIN



Is Logged in? true

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

Join

 Join With Google