

**TUGAS PERORANGAN/INDIVIDU**

## **LAPORAN TUGAS MINGGU 11**

Disusun sebagai

**MATA KULIAH : PEMROGRAMAN BERBASIS FRAMEWORK**

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**Kelas :**

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**PROGRAM STUDI D-IV TEKNIK INFORMATIKA**

**JURUSAN TEKNOLOGI INFORMASI**

**POLITEKNIK NEGERI MALANG**

**2020**

# Tugas

1. Buatlah laporan dengan menyertakan screenshot hasil dan code yang telah dibuat.

## File index.js

```
JS index.js x
praktikum-minggu11 > src > JS index.js > App > routes.map() callback
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>
```

```
JS index.js x
praktikum-minggu11 > src > JS index.js > App > routes.map() callback
34 |       </div>
35 |     </AuthContext.Provider>
36 |   )
37 | }
38 |
39 | const rootElement = document.getElementById("root");
40 | ReactDOM.render(<App/>, rootElement)
```

## File Join.js

```
JS Join.js x
praktikum-minggu11 > src > 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 |
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 |         />
```

```
JS Joinjs X
praktikum-minggu11 > src > JS Joinjs > ...
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 class = "googleBtn" type="button">
44        <img
45          src = "https://upload.wikimedia.org/wikipedia/commons/5/53/Google_%2G%22_Logo.svg"
46          alt = "logo"
47        />
48        Join with Google
49      </button>
50      <button type = "submit">Join</button>
51      <span>{error}</span>
52    </form>
53  </div>
54  );
55  };
56
57  export default Join;
58
59
```

## File Login.js

```
JS Loginjs X
praktikum-minggu11 > src > JS Loginjs > [0] Login > [0] handleForm
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
14        .auth()
15        .signInWithEmailAndPassword(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>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          />
```

```
JS Loginjs X
praktikum-minggu11 > src > JS Loginjs > [0] Login > [0] handleForm
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 class = "googleBtn" type="button">
44        <img
45          src = "https://upload.wikimedia.org/wikipedia/commons/5/53/Google_%2G%22_Logo.svg"
46          alt = "logo"
47        />
48        Login with Google
49      </button>
50      <button type = "submit">Login</button>
51      <span>{error}</span>
52    </form>
53  </div>
54  );
55  };
56
57  export default Login;
```

## File Header.js

```
JS Header.js x
praktikum-minggu11 > src > JS Header.js > [0] 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   </ul>
13 );
14
15 export default Header;
```

## File routes.js

```
JS routes.js x
praktikum-minggu11 > src > JS routes.js > [0] 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;
```

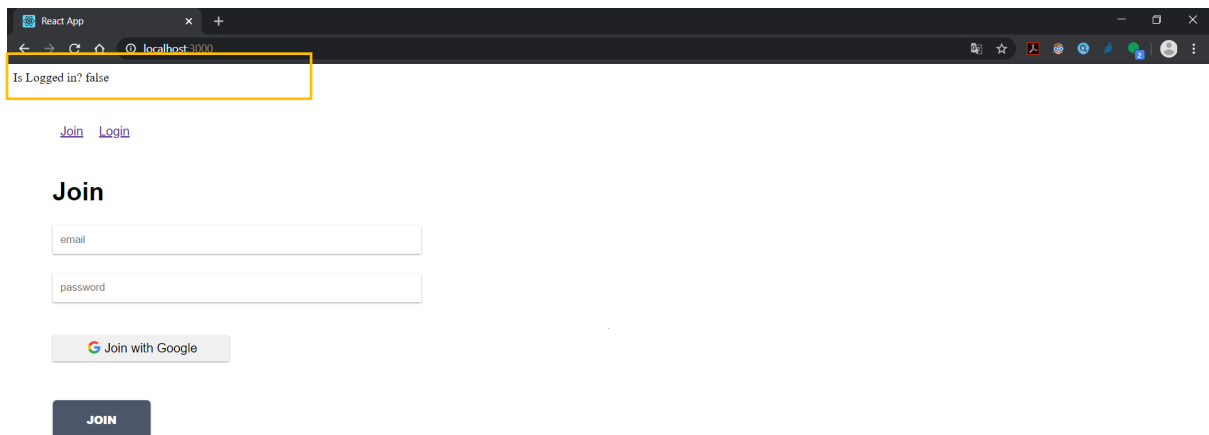
## File Style.css

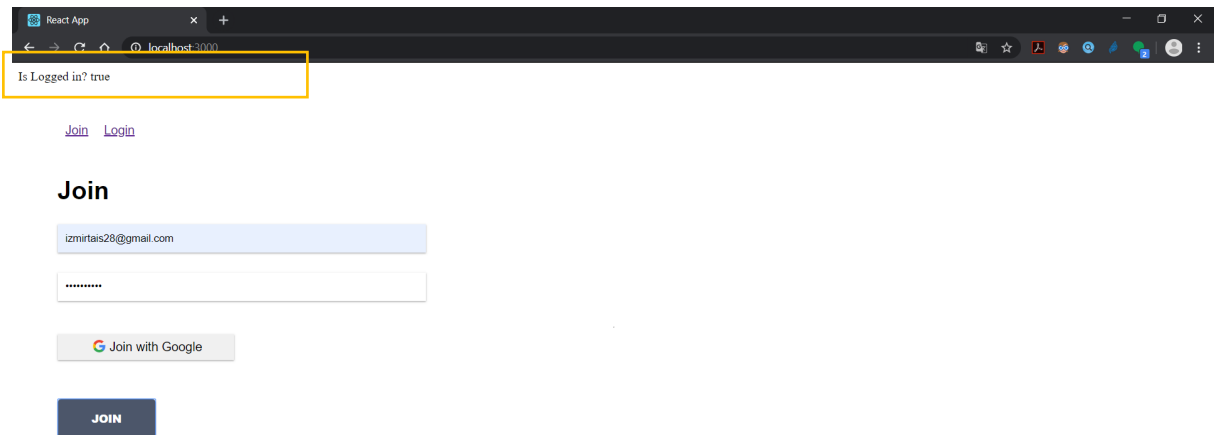
```
# style.css x
praktikum-minggu11 > src > # style.css > form
1 .App {
2   font-family: sans-serif;
3   padding: 50px;
4 }
5
6 h1 {
7   margin: 0 0 25px 0;
8   text-align: left;
9 }
10
11 form{
12   display: flex;
13   flex-direction: column;
14 }
15
16 input{
17   max-width: 450px;
18   width: auto;
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 }
```

```
# style.css x
praktikum-minggu11 > src > # style.css > form
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 }
```

```
# style.css x
praktikum-minggu11 > src > # style.css > .googleBtn
69
70 .nav li {
71   margin: 0 10px;
72 }
```

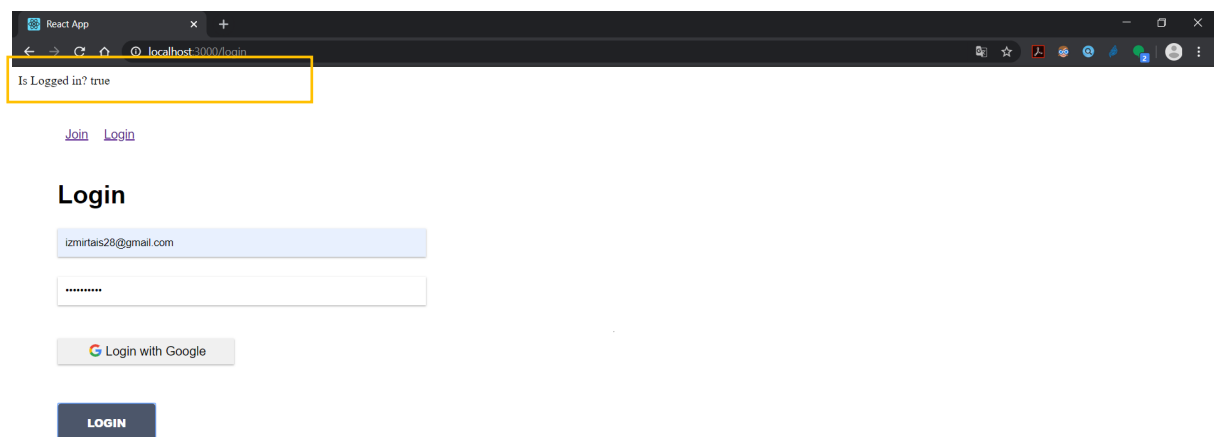
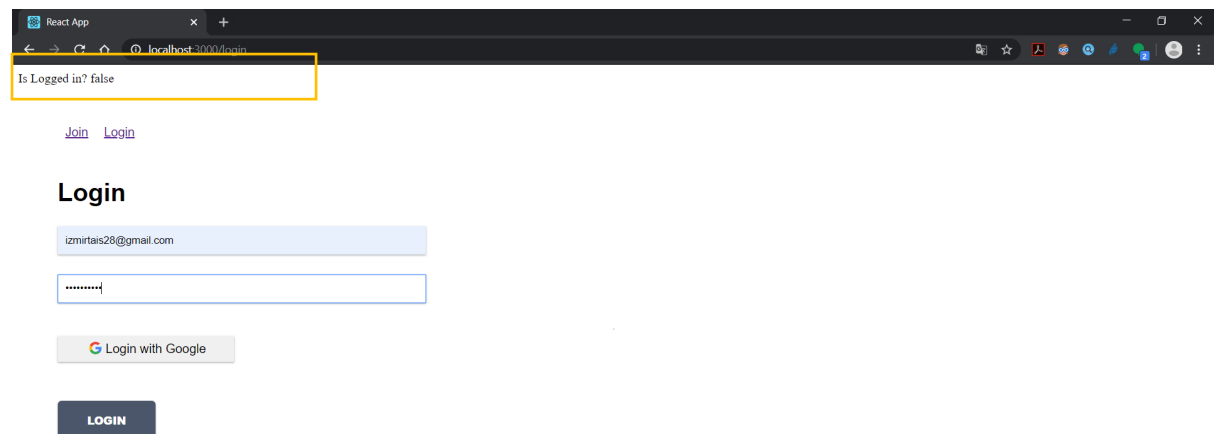
## Hasil





Gambar diatas menjelaskan bahwa pda saat kondisi awal teks pemberitahuan akan false, jika diberi inputan atau email dan password diisi dan klik button “Join” maka teks pemebritahuan akan berubah menjadi true.

Begitupun cara kerja “Login”



## Tugas

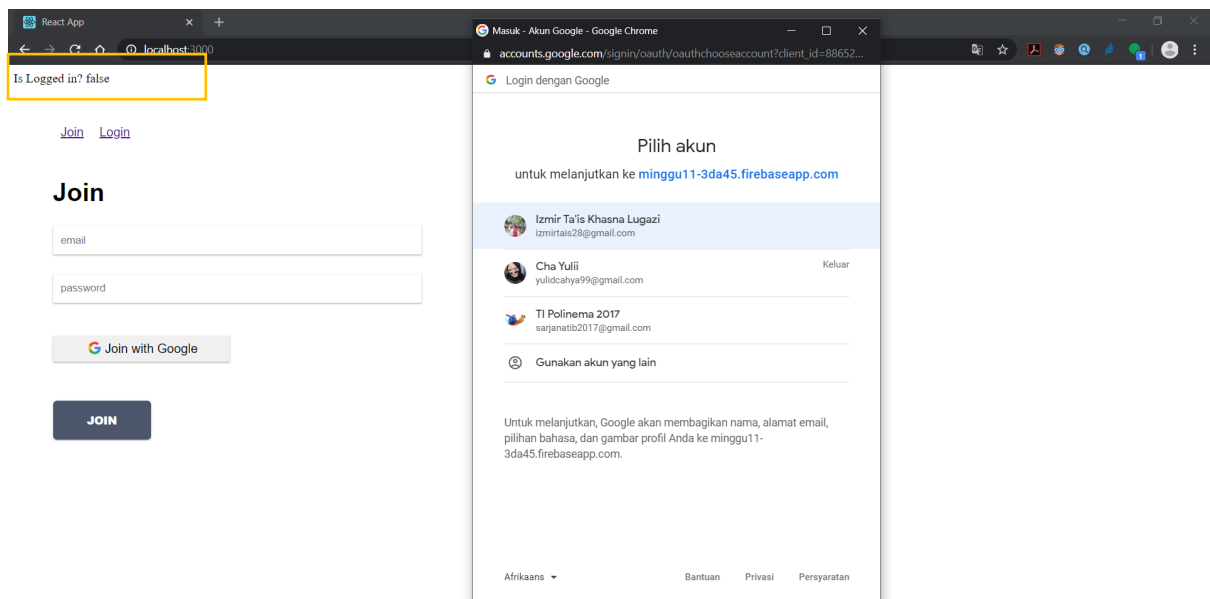
2. Pada button join with google belum terdapat aksi, silahkan tambahkan function agar dapat mendaftar dengan cara klik button tersebut lalu memilih akun gmail yang akan dipakai.

Edit Source code pada file Join.js. tambahkan code seperti gambar dibawah ini :

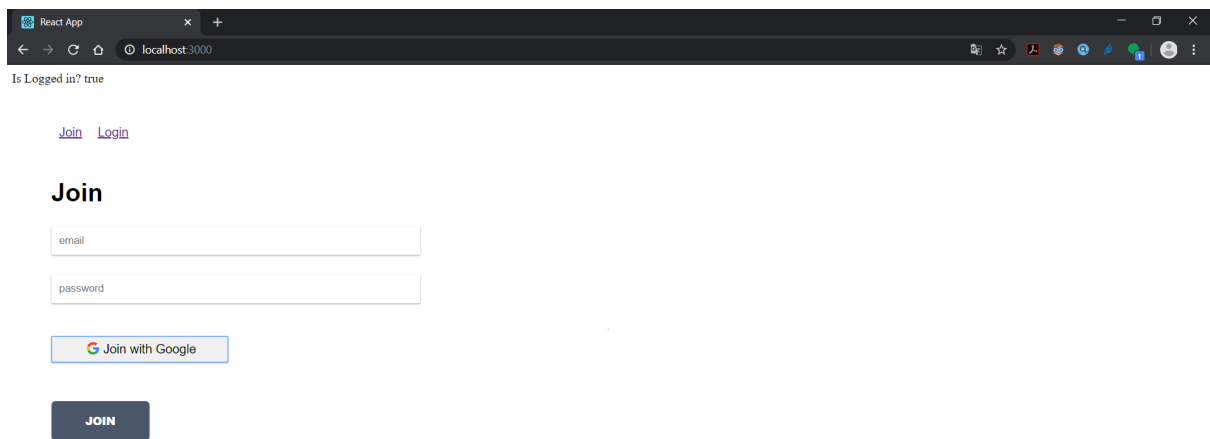


## Hasil

Keterangan pada teks kanan atas masih “false” ketika kita klik button “Join With Google” maka otomatis akan diberi window baru yang beri akun google yang akan digunakan.



Setelah memilih email maka pemberitahuan pada teks sebelah kiri akan berubah menjadi true.



The screenshot shows a web browser window with the title 'React App' and the address bar displaying 'localhost:3000'. The page content includes a status message 'Is Logged in? true' at the top left. Below this, there are two links: 'Join' and 'Login'. The 'Join' link is highlighted in blue. Under the 'Join' link, there is a section titled 'Join' in bold. This section contains two input fields: one labeled 'email' and another labeled 'password'. Below these fields is a button labeled 'Join with Google' with the Google logo. At the bottom of the section is a dark blue button labeled 'JOIN' in white capital letters.