

JOBSHEET 5

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EXPERIMENT

1. Create a React project with the name `my-app`

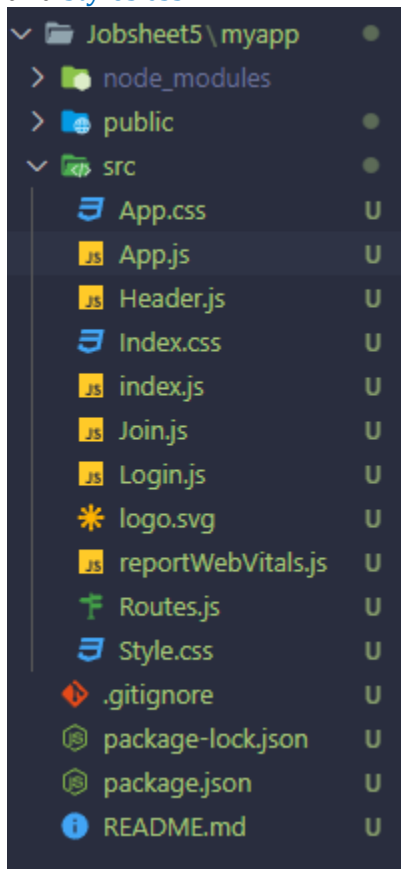
```
PS D:\WebProjects\React\Learn\Polinema-Learn-React\Jobsheet5> npx create-react-app@latest myapp
Need to install the following packages:
  create-react-app@latest
Ok to proceed? (y) y
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.

Creating a new React app in D:\WebProjects\React\Learn\Polinema-Learn-React\Jobsheet5\myapp.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

[.....] \ IdealTree:@babel/core: [..] fetch manifest klonr@2.0.4
```

2. Inside the src folder, create a file named `index.js`, `Login.js`, `Join.js`, `header.js`, `routes.js`, and `styles.css`



3. Installation of `react-router-dom`

```
PS D:\WebProjects\React\Learn\Polinema-Learn-React\Jobsheet5\myapp> npm install react-router-dom


added 3 packages, and audited 1422 packages in 10s
```

4. Complete the contents of the file that was created earlier
Result:

Is logged in? true

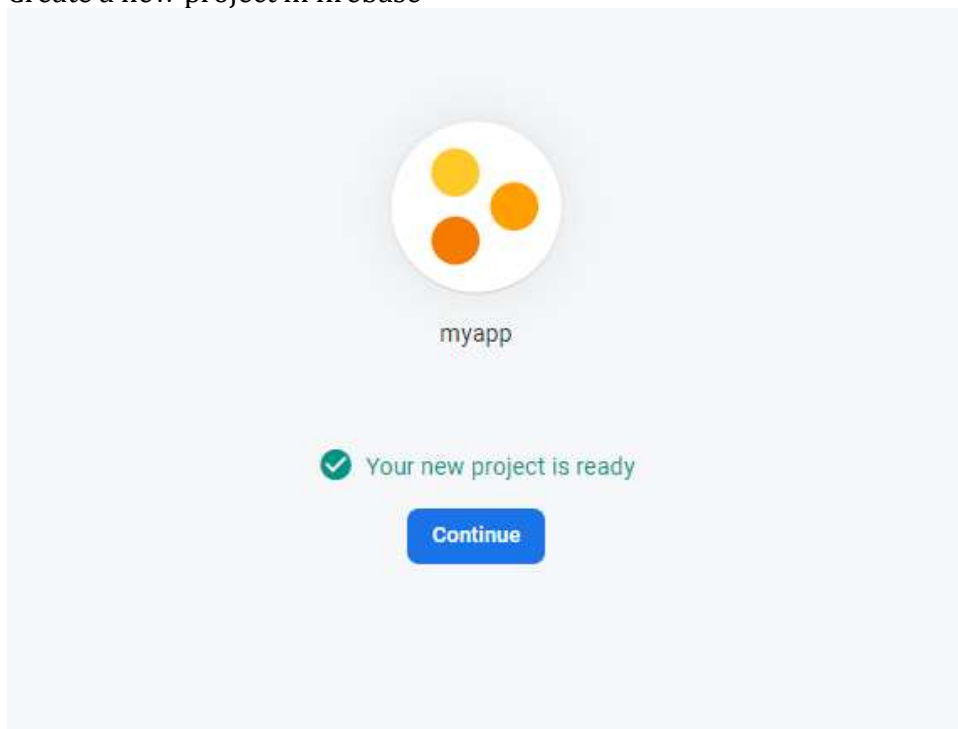
[Join](#) [Login](#)

Login

 Login with Google

LOGIN

5. Create a new project in firebase



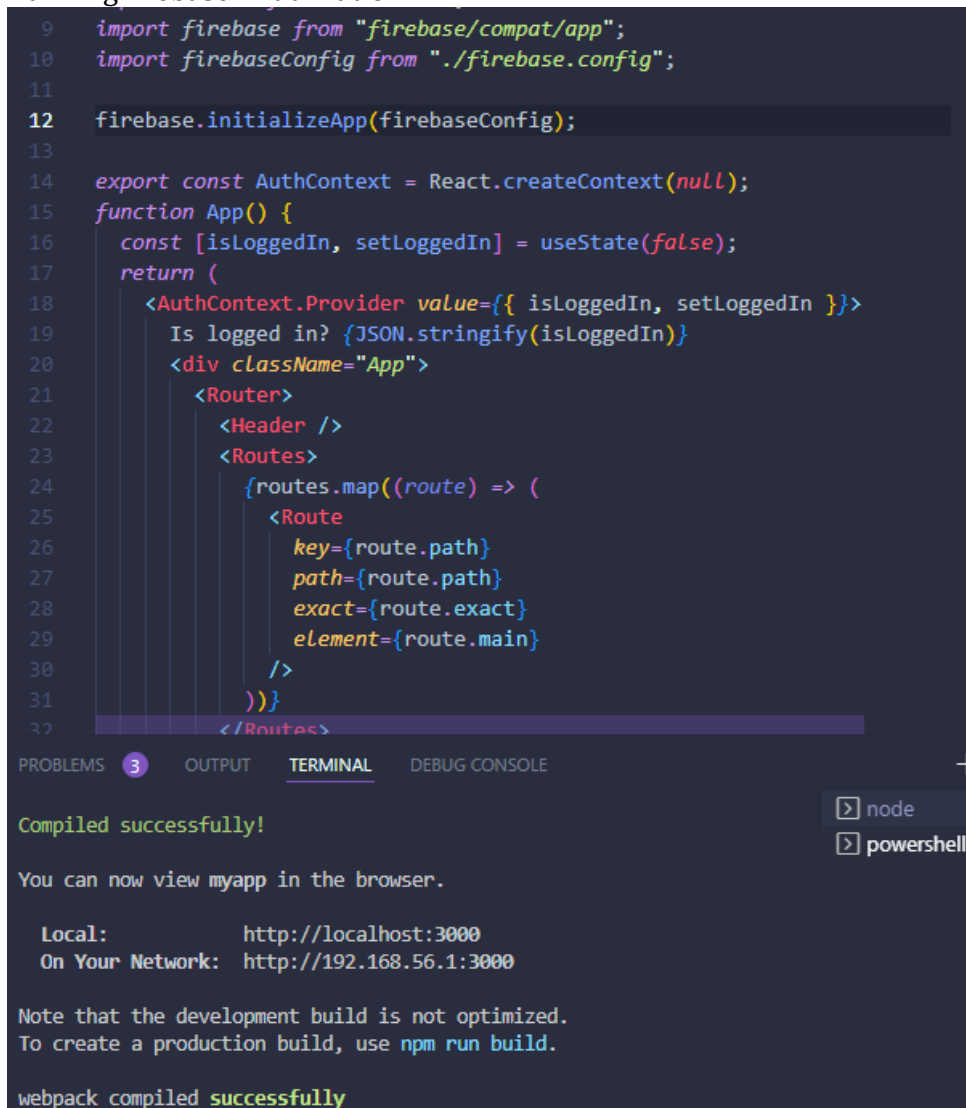
6. Install firebase in react project:

```
PS D:\WebProjects\React\Learn\Polinema-Learn-React\Jobsheet5\myapp> npm install firebase
[.....] / idealTree:myapp: sill idealTree buildDeps
```

7. Create firebase config:



8. Running firebase initialization:



9. Enable sign in options in firebase console

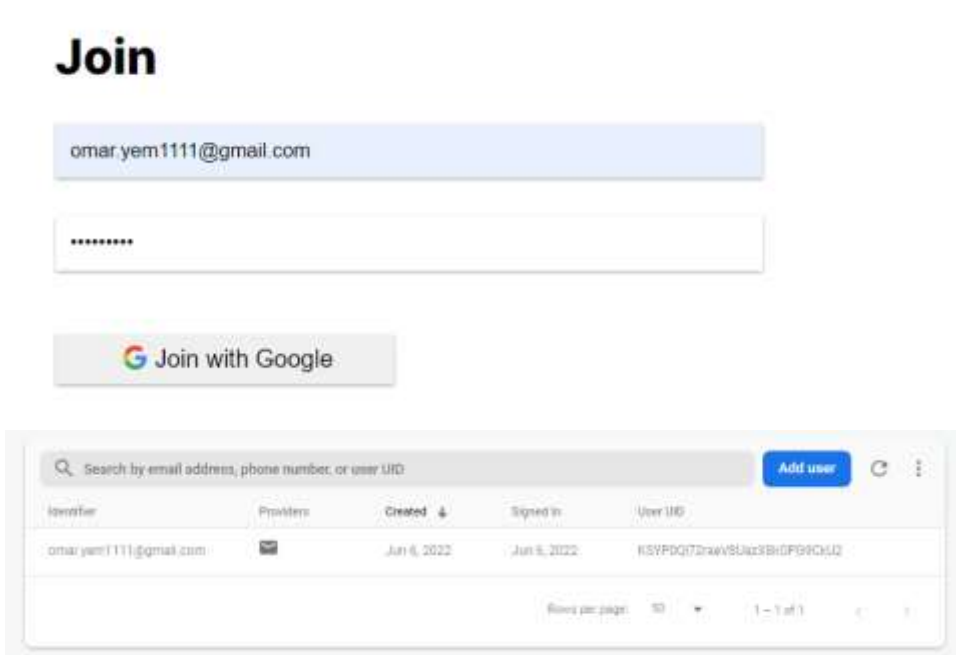


10. Modify the code so the form can handle Register new users using firebase

```
import firebase from "firebase/compat/app";
import "firebase/compat/auth";

const Login = () => {
  const [email, setEmail] = useState("");
  const [password, setPassword] = useState("");
  const [error, setError] = useState("");
  const Auth = useContext(AuthContext);
  const handleForm = (e) => {
    e.preventDefault();
    firebase
      .auth()
      .signInWithEmailAndPassword(email, password)
      .then((res) => {
        if (res.user) {
          Auth.setLoggedIn(true);
        }
      })
      .catch((error) => {
        setError(error.message);
      });
  };
};
```

11. Results:



Wrong Passeord

Login

Login with Google

LOGIN

Firebase: The password is invalid or the user does not have a password. (auth/wrong-password).

ASSIGNMENT

On the Login with Google button there is no action, add a function so we can register by clicking the button, then selecting the Gmail account to use

```
const googleJoin = () => {  
  const provider = new firebase.auth.GoogleAuthProvider();  
  firebase  
    .auth()  
    .signInWithPopup(provider)  
    .then((result) => {  
      const user = result.user;  
      console.log(user);  
      Auth.setLoggedIn(true);  
    });  
};
```

Sign in providers

Provider

Status

📧 Email/Password

✔ Enabled

🌐 Google

✔ Enabled

Add new provider

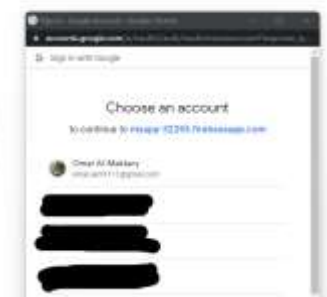
Is logged in? false

Join Login

Login

Login with Google

LOGIN



Is logged in? true