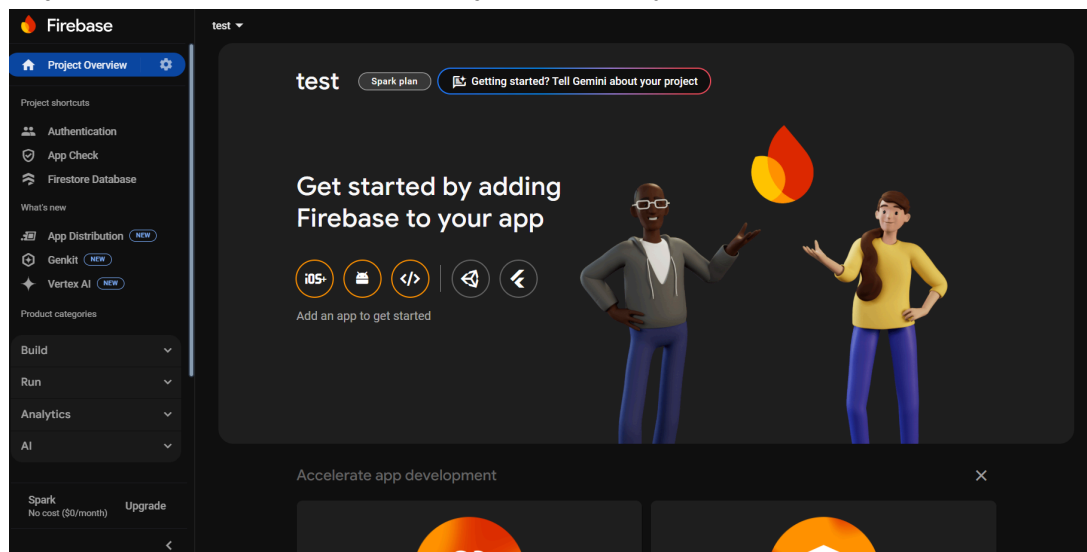# Installation & Setup Guide

1. Make sure you have already installed Node and NPM on your laptop. To check your Node version, run the command on the terminal: `node -v`.

2. You may use any IDE to run this project. In this example, we will use VS Code. In your terminal, navigate to the root directory of the project (the directory where you save this project).

3. Navigate to `/frontend` by running the command on the terminal: `cd frontend`.

4. Run command to install the dependencies required for this project: `npm install` .

5. Once you have set up successfully, you should be able to run the project using the following command: `npm run dev` .

Firebase Configuration

1. Go to Firebase Console: https://console.firebase.google.com/u/0/ and create a new project. You could customize the project name on your own.

2. To get started, you need to add Firebase to your app. Select the "Web" app and register it.

Add Firebase to your web app

✓ Register app

② **Add Firebase SDK**

⦿ Use npm   ○ Use a <script> tag

If you're already using NPM ↗ and a module bundler such as webpack ↗ or Rollup ↗, you can run the following command to install the latest SDK (learn more ↗):

```
$ npm install firebase
```

Then, initialise Firebase and begin using the SDKs for the products that you'd like to use.

```
// Import the functions you need from the SDKs you need
import { initializeApp } from "firebase/app";
// TODO: Add SDKs for Firebase products that you want to use
// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration
const firebaseConfig = {
```

3. Copy the Firebase configuration (only the highlighted code) and replace the code in `src/config/firebase.ts` file.

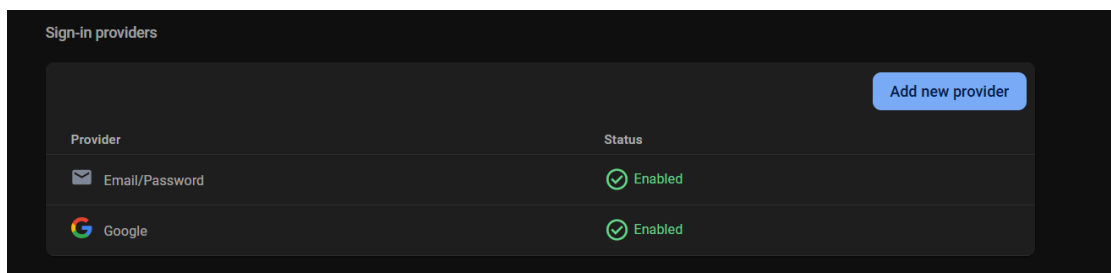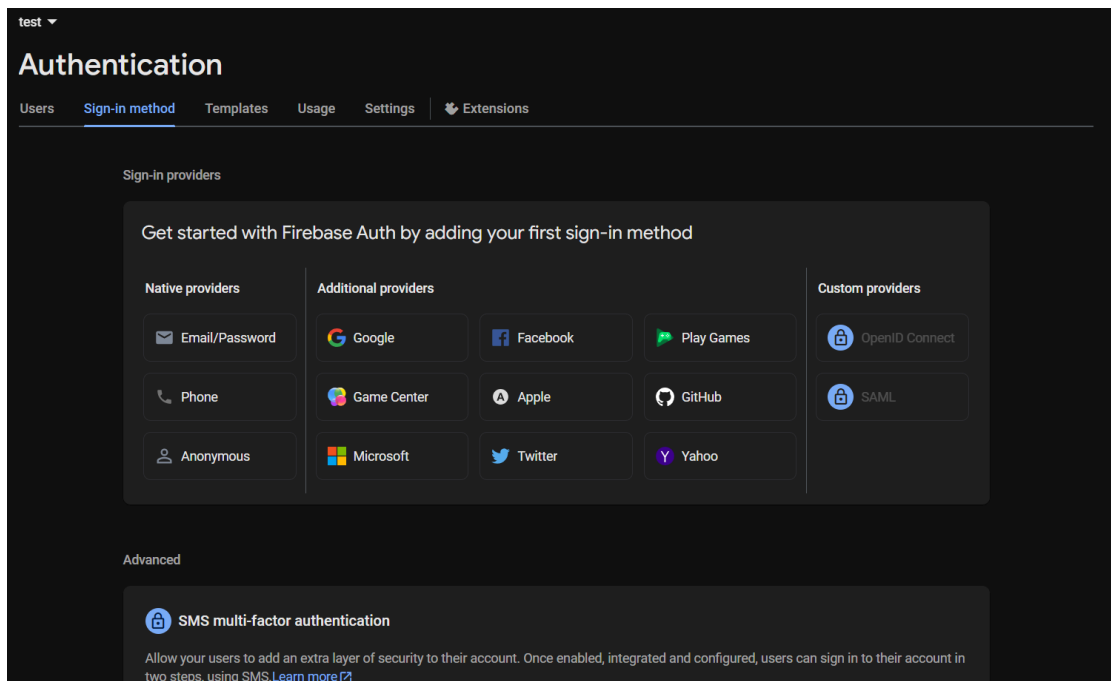Then, initialise Firebase and begin using the SDKs for the products that you'd like to use.

```
// Import the functions you need from the SDKs you need
import { initializeApp } from "firebase/app";
// TODO: Add SDKs for Firebase products that you want to use
// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration
const firebaseConfig = {
  apiKey: "AIzaSyD2Oj-YUGDDXAzJWxzBPquznVvNPYIyMAw",
  authDomain: "test-5bed7.firebaseapp.com",
  projectId: "test-5bed7",
  storageBucket: "test-5bed7.firebasestorage.app",
  messagingSenderId: "239120636007",
  appId: "1:239120636007:web:4583a8963465c2c9bcdcc2"
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
```

```ts
TS firebase.ts  ✕

frontend > src > config > TS firebase.ts > ...
  1    import { initializeApp } from "firebase/app";
  2    import { getAuth } from "firebase/auth";
  3    import { getFirestore } from "firebase/firestore";
  4
  5    /* REPLACE ME */
  6    const firebaseConfig = {
  7      apiKey: "REPLACE_ME",
  8      authDomain: "REPLACE_ME",
  9      projectId: "REPLACE_ME",
 10      storageBucket: "REPLACE_ME",
 11      messagingSenderId: "REPLACE_ME",
 12      appId: "REPLACE_ME"
 13    };
 14    /* REPLACE ME */
 15
 16    const app = initializeApp(firebaseConfig);
 17
 18    export const auth = getAuth(app);
 19    export const db = getFirestore(app);
```

4. Continue to the Console. Get Started with "Authentication" and "Cloud Firestore".

5. To initialize the "Authentication" service, you need to set up the sign-in methods by enabling these sign-in providers: "Email/Password" and "Google".

6. You can manage the app users in the "Users" section.

7. To initialize the "Cloud Firestore" service, click on "Create Database", follow the instructions to create a new database.