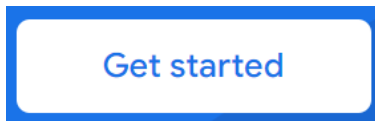


# Firebase

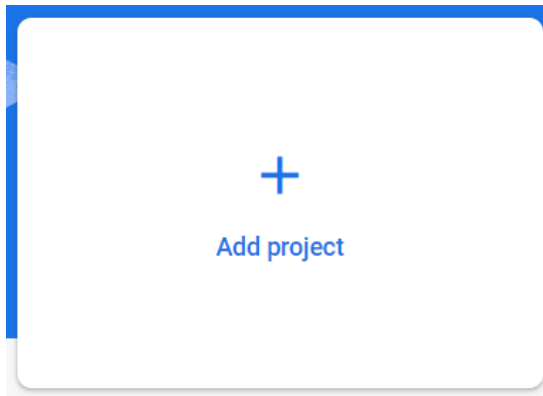
1. Search **firebase** in the browser.  
(Or go to: <https://firebase.google.com>)

2. You need to have a google account.

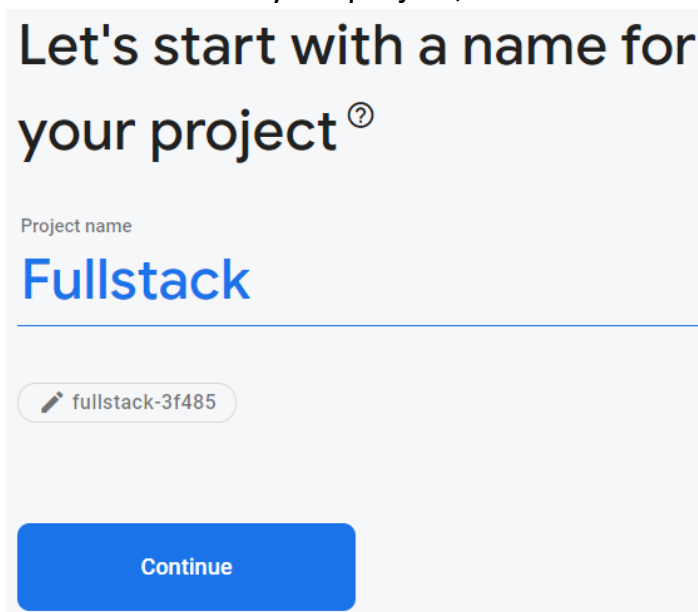
3. Click on **Get started**



4. Click on **Add project**




5. Enter a name for your project, and click **Continue**

A light gray form with a blue border. At the top, the text "Let's start with a name for your project" is followed by a question mark icon. Below this, the label "Project name" is above the text "Fullstack". A horizontal blue line separates the text from a rounded rectangular input field containing a pencil icon and the text "fullstack-3f485". At the bottom, there is a blue button with the text "Continue".

Let's start with a name for  
your project <sup>?</sup>

Project name

Fullstack

 fullstack-3f485

Continue

6. No need to **Enable Google Analytics**, and click **Create project**

## Google Analytics for your Firebase project

Google Analytics is a free and unlimited analytics solution that enables targeting, reporting and more in Firebase Crashlytics, Cloud Messaging, in-app messaging, Remote Config, A/B Testing and Cloud Functions.

Google Analytics enables:

- ✕ A/B testing ?
- ✕ User segmentation and targeting across Firebase products ?
- ✕ Crash-free users ?
- ✕ Event-based Cloud Functions triggers ?
- ✕ Free unlimited reporting ?

☐ Enable Google Analytics for this project  
Recommended

[Previous](#)

[Create project](#)

7. Click **Continue**

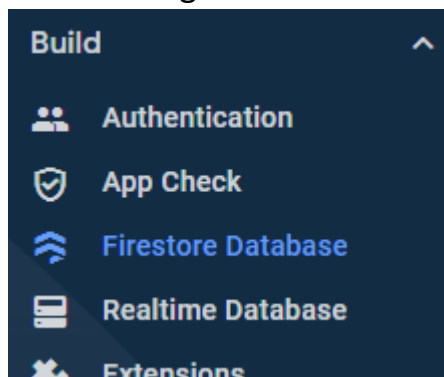


Fullstack

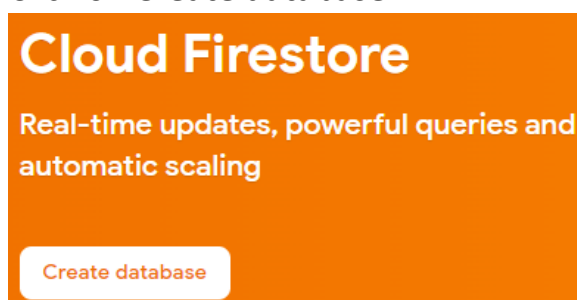
✓ Your new project is ready

[Continue](#)

8. On the left go to **Build** and click on **Firestore Database**



9. Click on **Create database**



10. Choose **Test mode** and click **Next**

A screenshot of the 'Create database' wizard in the Firebase console. The wizard has a blue header with the title 'Create database' and a close button. Below the header, there are two steps: '1 Secure rules for Cloud Firestore' and '2 Set Cloud Firestore location'. The first step is selected. Below the steps, there is a paragraph of text: 'After you define your data structure, you will need to write rules to secure your data. [Learn more](#)'. Below this, there are two radio button options: 'Start in production mode' and 'Start in Test mode'. The 'Start in Test mode' option is selected. To the right of the radio buttons, there is a code block showing a sample security rule. Below the code block, there is a warning message with an exclamation mark icon. At the bottom of the wizard, there is a 'Cancel' button and a 'Next' button.

**Create database**

1 Secure rules for Cloud Firestore — 2 Set Cloud Firestore location

After you define your data structure, you will need to write rules to secure your data.  
[Learn more](#)

☐ Start in **production mode**  
Your data is private by default. Client read/write access will only be granted as specified by your security rules.

☒ Start in **Test mode**  
Your data is open by default to enable quick setup. However, you must update your security rules within 30 days to enable long-term client read/write access.

```
rules_version = '2';
service cloud.firestore {
  match /databases/{database}/documents {
    match /{document=**} {
      allow read, write: if
        request.time < timestamp.date(2022, 9, 25);
    }
  }
}
```

**!** The default security rules for test mode allow anyone with your database reference to view, edit and delete all data in your database for the next 30 days

Enabling Cloud Firestore will prevent you from using Cloud Datastore with this project, notably from the associated App Engine app

Cancel **Next**


## 11. Choose a **Cloud Firestore location** (doesn't matter which) and click **Enable**

**Create database** ✕

✓ Secure rules for Cloud Firestore

2 Set Cloud Firestore location

Your location setting is where your Cloud Firestore data will be stored.

 After you've set this location, you cannot change it later. Also, this location setting will be the location for your default Cloud Storage bucket.

[Learn more](#)

Cloud Firestore location

nam5 (us-central) ▼

Enabling Cloud Firestore will prevent you from using Cloud Datastore with this project, notably from the associated App Engine app



Cancel **Enable**

## 12. Click on **Start collection**

Fullstack ▼

**Cloud Firestore**

[Data](#) [Rules](#) [Indexes](#) [Usage](#)

  
 fullstack-3f485  
[+ Start collection](#)

**Start a collection**

✓ Give the collection an ID

2 Add its first document

Document parent path

/persons

Document ID ⓘ

Auto-ID

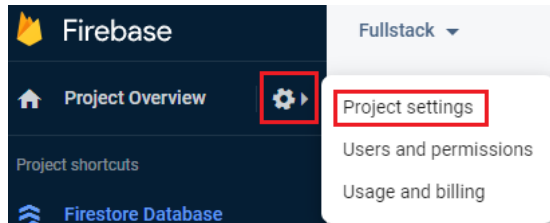
Required

Field	Type	Value	
name	string	Avi	⊖
age	number	30	⊖

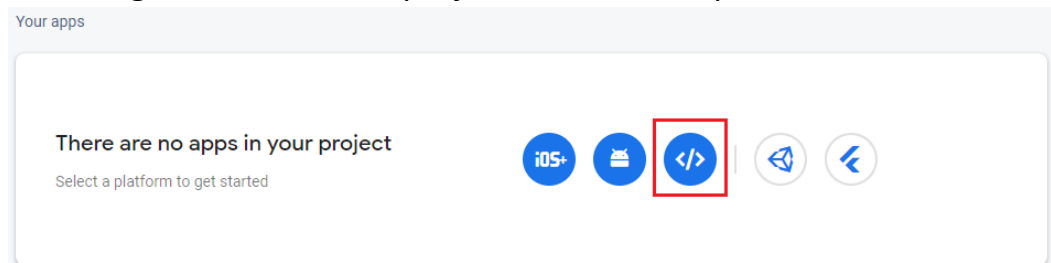
⊕

# Add Firebase to React

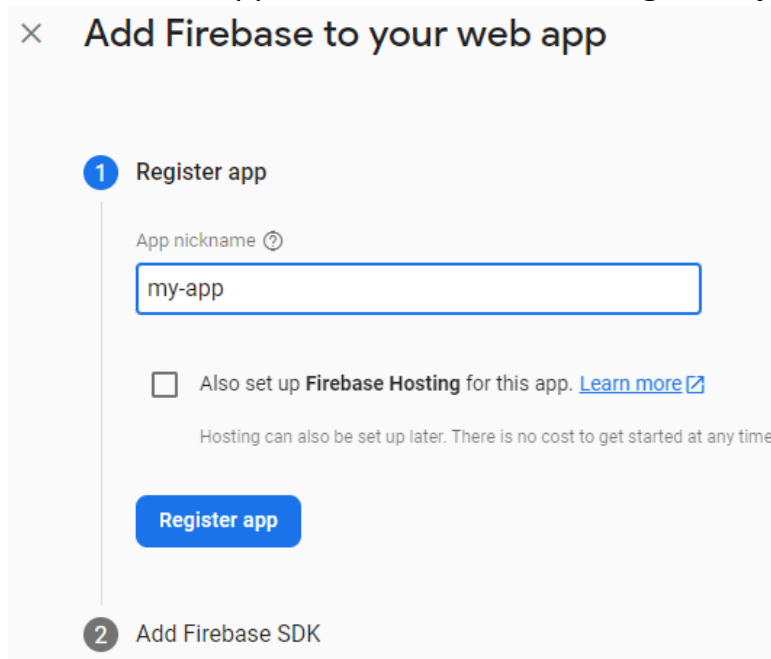
1. On the Firebase project page, on the left, click on the **gear** sign and then on **Project settings**



2. To configure the Firebase project for the web, press on:



3. Give the web app a name and click the **Register app**



#### 4. On the React project, Install fireabse module (npm i firebase)

##### ✕ 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:

```
$ npm install firebase
```



Then, copy the config:

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: "AIzaSyCPCCH1Mro408YXAuWNK2RfgMQVOK3_zF7U",
  authDomain: "fullstack-3f485.firebaseio.com",
  projectId: "fullstack-3f485",
  storageBucket: "fullstack-3f485.appspot.com",
  messagingSenderId: "882125376355",
  appId: "1:882125376355:web:9609171cdd67b3dbed2156"
};

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



**Note:** This option uses the [modular JavaScript SDK](#), which provides a reduced SDK size.

Learn more about Firebase for web: [Get started](#), [Web SDK API Reference](#), [Samples](#)

Continue to the console

And click the **Continue to the console**

5. In the **src** directory on the React project, create **firebase.js** file and paste there the **firebaseConfig** as follows:

```
import { initializeApp } from 'firebase/app';
import { getFirestore } from 'firebase/firestore';

const firebaseConfig = {
  apiKey: 'AIzaSyC-sS7f_fydhuJh-qQ3iBQFuplPT1NU64I',
  authDomain: 'fullstack34-db866.firebaseio.com',
  projectId: 'fullstack34-db866',
  storageBucket: 'fullstack34-db866.appspot.com',
  messagingSenderId: '913834885656',
  appId: '1:913834885656:web:ff1142341b61ad5c14796d',
};

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const db = getFirestore(app);

export default db;
```

6. Continue in React as the demo shows...