

Guide: Firebase/Kinvey/Postman

Postman

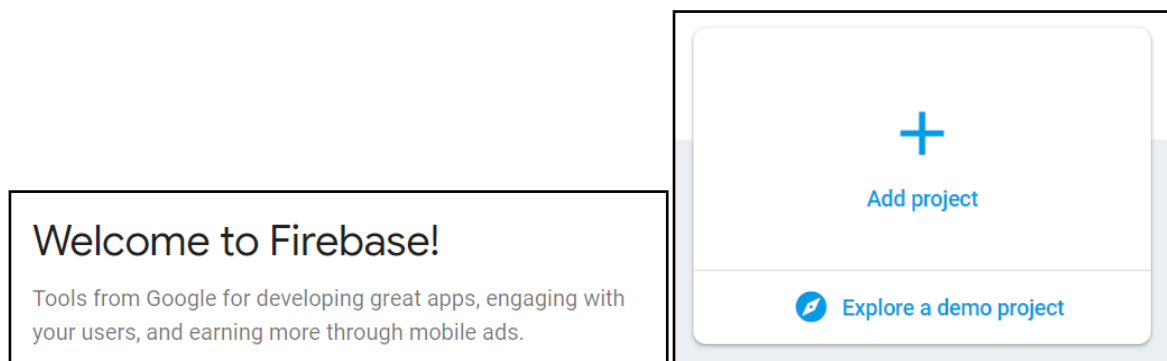
Postman is an application for **testing APIs**, by sending **request** to the **web server** and getting the **response** back. It allows users to set up all the **headers** and **cookies** the **API** expects, and checks the response. You can download it from [here](#).

Firebase

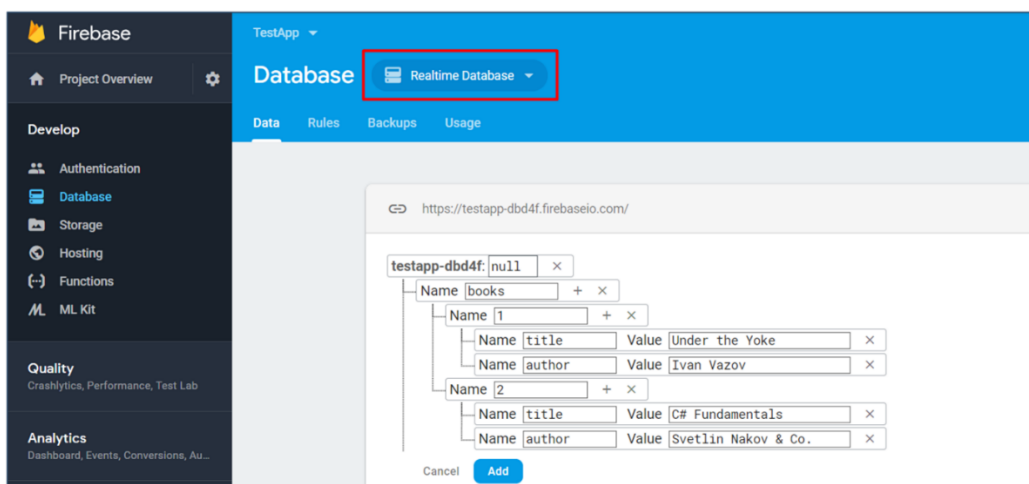
Firebase is a **mobile** and **web** development platform. It provides a **realtime database** and **backend** as a service. The service provides developers an **API** that allows application data to be **synchronized** across clients and **stored** on Firebase's cloud. The **data** is **structured** as a **JSON** tree.

1.1 Registration

Register at <https://console.firebase.google.com>. Afterwards, **create a new project** and start playing around with it in order to understand how the database works.



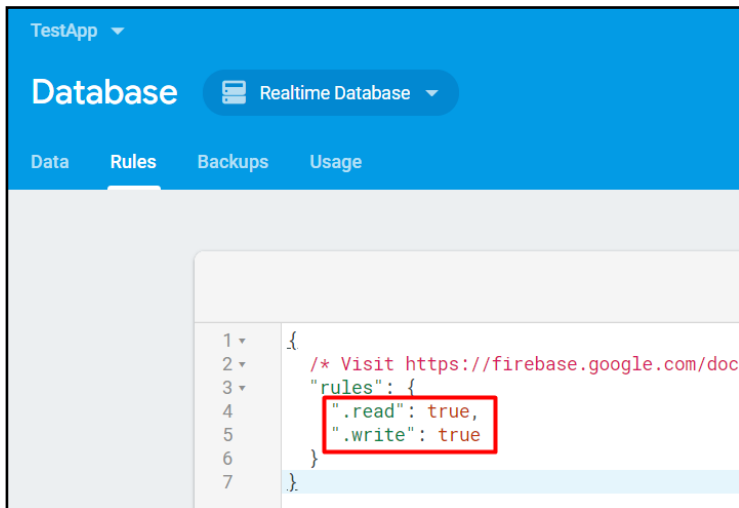
1.2 Put Some Data in the Database



1.3 REST API

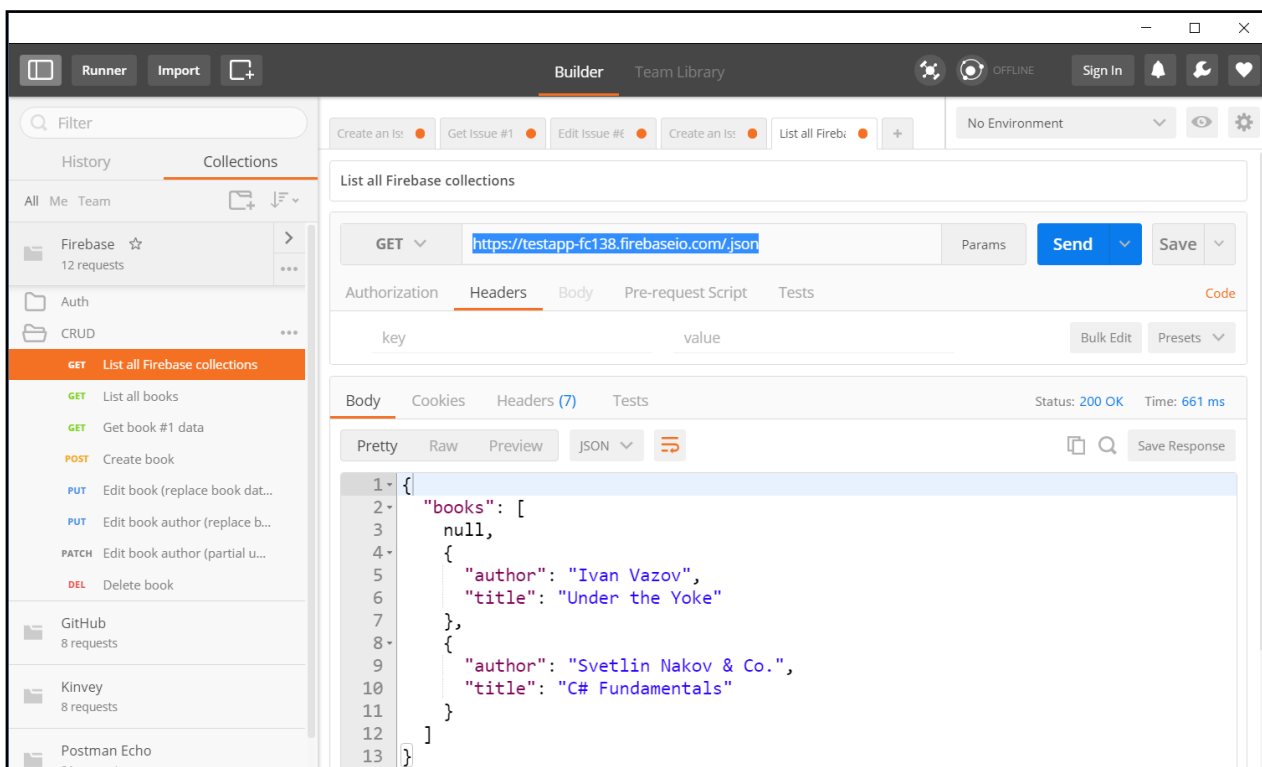
Make sure to enable **unauthorized access** to your database. Note that this is for **educational purposes** only and you should **NOT** do it in real apps as it is a **security hole**! After you have done that, access your data through the REST API.

GET	https://testapp-fc138.firebaseio.com/.json
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1.4 Accessing Firebase REST API with Postman

Open **Postman** and make a **GET** request to receive all of the information in your database. In our case that would be a list of all the available books.

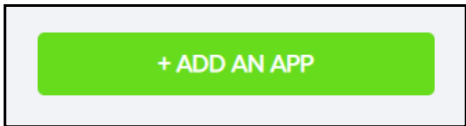


Kinvey

Kinvey is a **BaaS** provider that makes it easy for developers to set up, use, and operate a **cloud back-end** for their apps. It holds **users** (API for creating an account), **user data** and **data collections** (API for CRUD operations).

2.1 Register

The first thing to do is create an account in [Kinvey](#), followed by creating an app.



Add an App

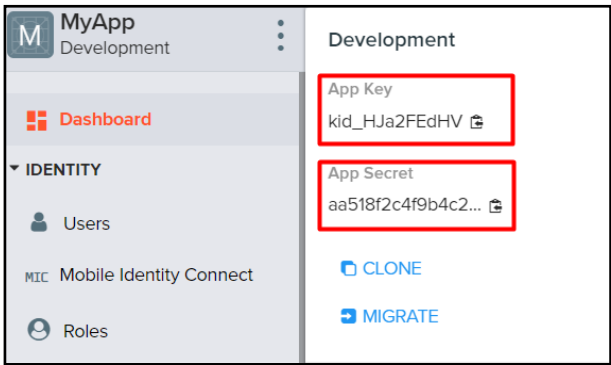
New app name

What do you want to call this app?

App name

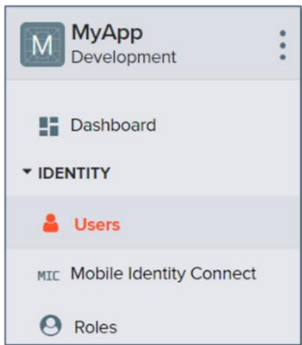
CREATE APP

In order to get the **App ID** and **App Secret** of your app, you need to click on the **Development** button. For more information, see the picture below.

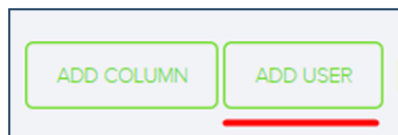


2.2 Create a User

In order to **create a user**, click on **"Users"** right below **"Identity"** in the menu.



After that, you will see two buttons. Click on the **"Add User"** one.



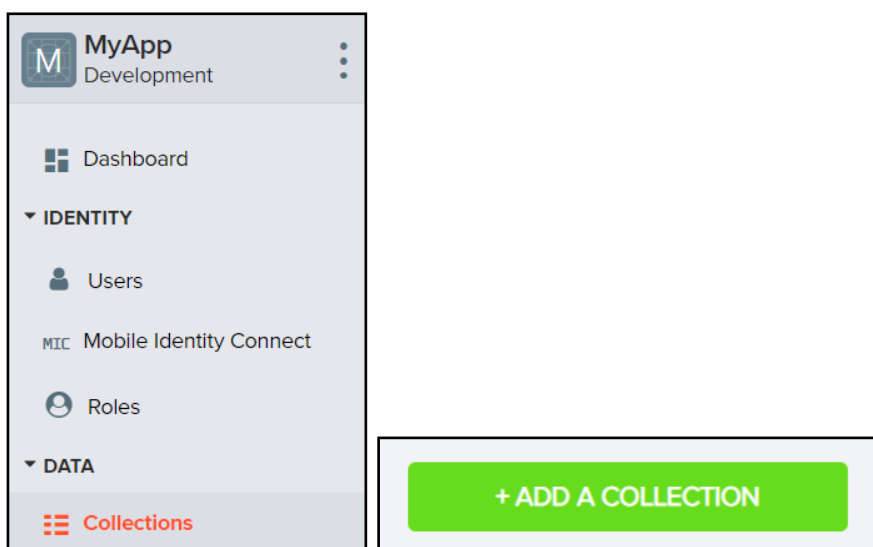
Then the following form will show up:

A screenshot of a 'New App User' form. It has a title 'New App User' and a subtitle 'Use this form to manually register a new user for your app.' Below the subtitle are two input fields: 'Username' and 'Password'. At the bottom right is a 'CREATE' button.

Write **"guest"** in both of the **username** and **password** fields. Then click on the **"Create"** button.

2.3 Create a Data Collection

In order to **create a collection**, click on **"Collections"** right below **"Data"** in the menu.



Then the following form will show up. Write the **name of your collection** in the field (for example, you can name it *posts*).

Create New Collection

Name

What do you want to call this collection? (collection names cannot have spaces)

CANCELSAVE

2.4 Create Data Columns

Now it is time to **create** some **data columns** for our collection. Click on the "**Add Column**" button. Provided we have named it "posts", it would be appropriate for a single post to have a **title** and a **body**.

ADD COLUMN

ADD ROW

Column name

ADD COLUMN

ADD COLUMN

ADD ROW

Column name

ADD COLUMN

2.5 Create Data Rows

Click on the "**Add Row**" button in order to **create** some **rows** for your collection and **insert data** in them.

ADV. ▾

0 of 0 posts

ADD COLUMN

ADD ROW

<input type="checkbox"/>	_id	_acl	_kmd	title	body
<input type="checkbox"/>					

SAVE

Manually fill in the "**title**" and "**body**" fields with the information provided below and **save** it.

<input type="checkbox"/>	_id	_acl	_kmd	title	body
<input type="checkbox"/>				post	this is my post

SAVE

After having clicked on "save", you will see the following:

<input type="checkbox"/>	_id	_acl	_kmd	title	body
<input type="checkbox"/>	5c6acbc41be4947c2a649694	{"creator": "kid_HJa2FEeHV"}	{"lmt": "2019-02-18T15:14:11.96"}	"post"	"this is my post"