

Guide: Firebase/Kinvey/Postman

Introduction to Firebase, Kinvey and Postman for the [“JavaScript Applications” course@SoftUni](#).

Postman

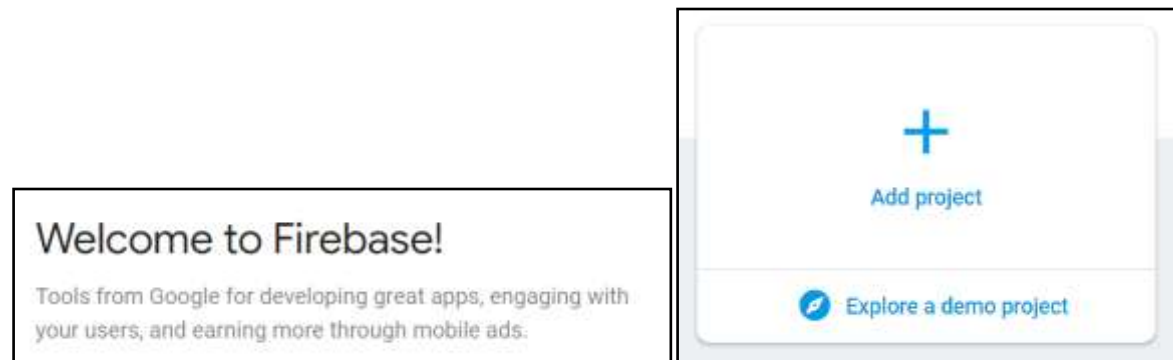
Postman is an application for **testing APIs**, by sending **request** to the **web server** and getting the **response** back. It allows users to set up all the **headers** and **cookies** the **API** expects and checks the response. You can download it from [here](#).

Firebase

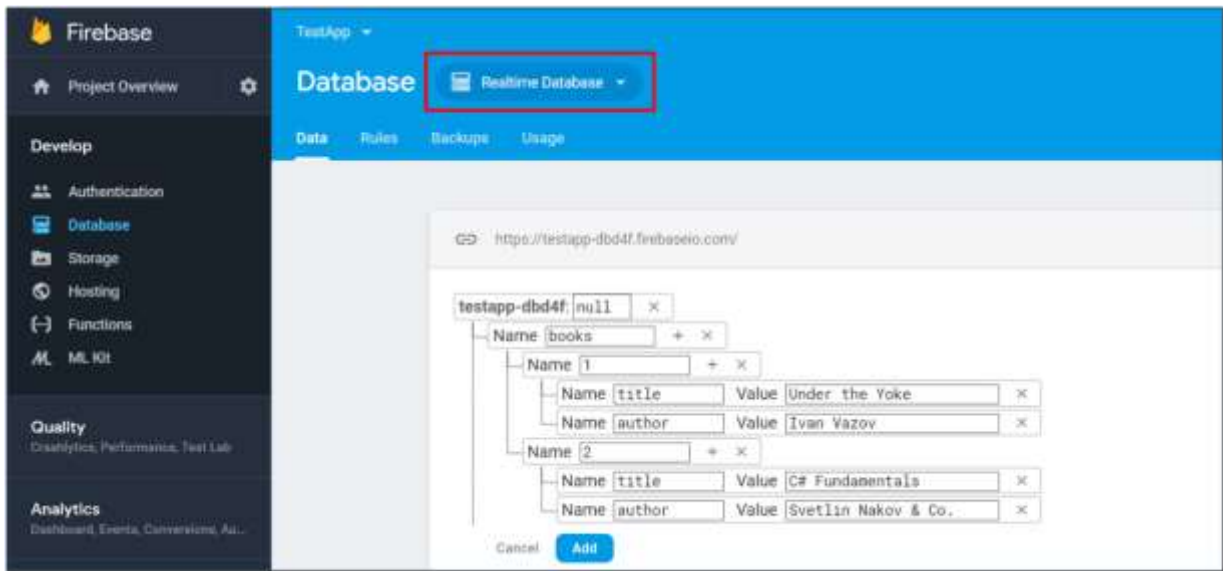
Firebase is a **mobile** and **web** development platform. It provides a **realtime database** and **backend** as a service. The service provides developers an **API** that allows application data to be **synchronized** across clients and **stored** on Firebase's cloud. The **data** is **structured**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

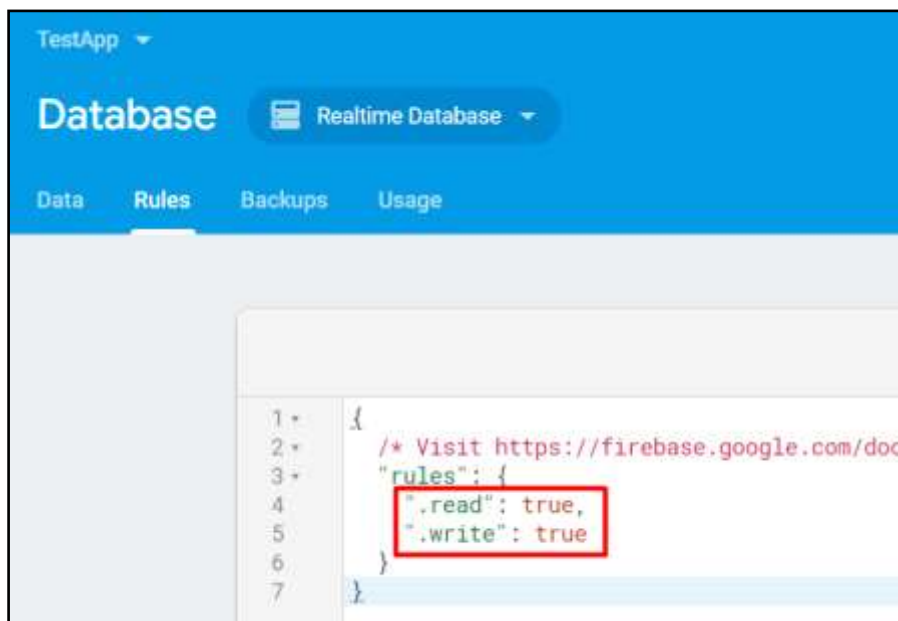


1.3 REST API

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.

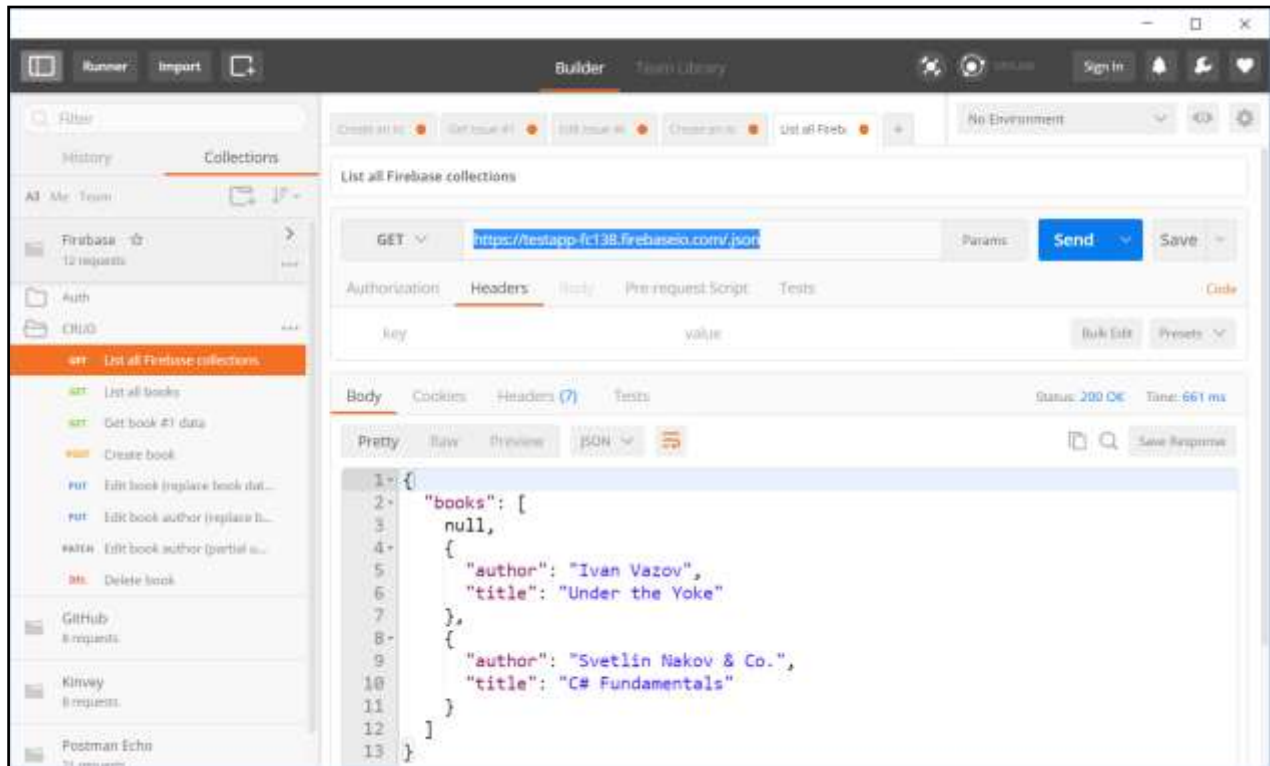
GET

<https://testapp-fc138.firebaseio.com/.json>



1.4 Accessing Firebase REST API with Postman

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

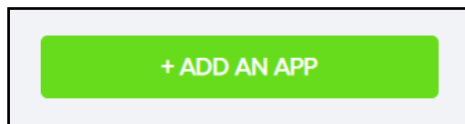


Kinvey

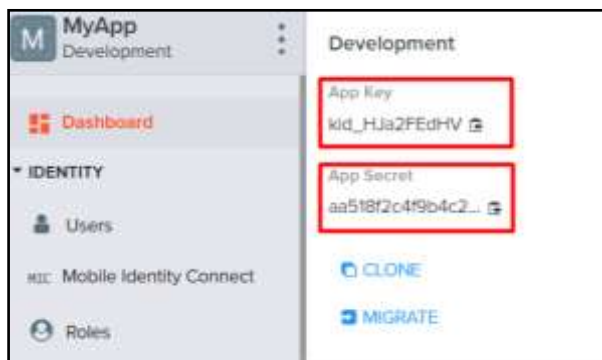
Kinvey is a **BaaS** provider that makes it easy for developers to **set up**, **use**, and **operate** a **cloud back-end** for their apps. It holds **users** (API for creating an account), **user data** and **data collections** (API for CRUD operations).

2.1 Register

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

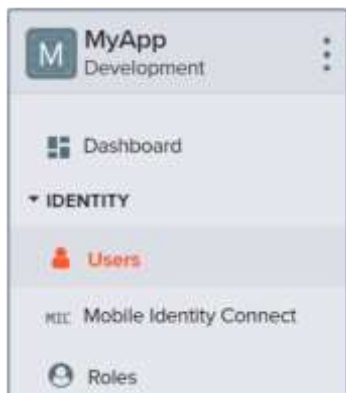


In order to get the **App ID** and **App Secret** of your app, you need to click on the **[Development]** button. For more information, see the picture below.



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.



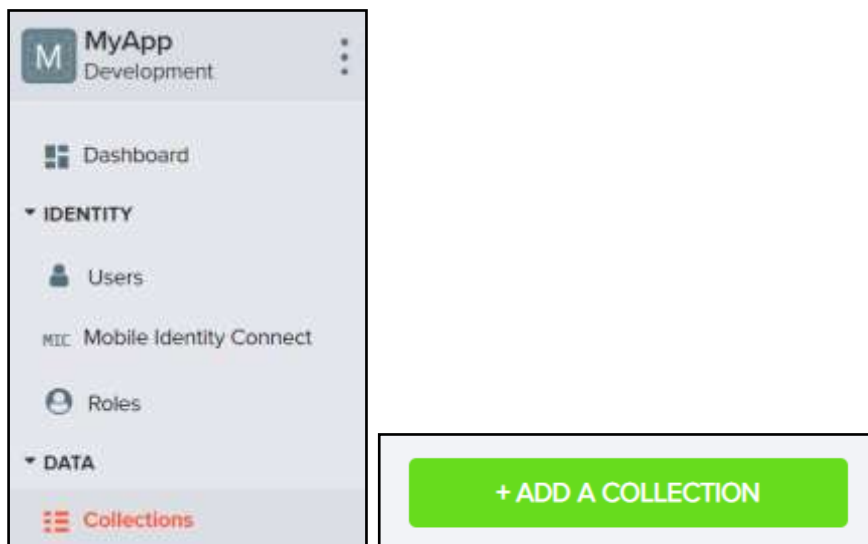
Then the following form will show up:

A screenshot of a web form titled "New App User" with a close button in the top right corner. Below the title is a light blue instruction box that says "Use this form to manually register a new user for your app." The form contains two input fields: "Username" and "Password". At the bottom right of the form is a grey button labeled "CREATE".

Write **"guest"** in both **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)

posts

CANCEL

SAVE

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

title

ADD COLUMN

ADD COLUMN

ADD ROW

Column name

body

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.

Filter collections...

ADV

0 of 0 posts

ADD COLUMN

ADD ROW

_id	_acl	_kmd	title	body

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

<input type="checkbox"/> _id	_acl	_kmd	title	body
			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"/> 5c8a8bc413b64947c2a649e84	{"creator": "kid_H3a2FedHV"}	{"lmt": "2019-02-18T15:14:11.96", "post"}		"this is my post"