

WHAT IS POSTMAN?



swipe >>

INTRODUCTION :

Postman is an **API**(application programming interface) development tool that helps to **build, test, and modify APIs**. Almost any functionality that any developer could need is encapsulated in this tool. It is used by over 5 million developers every month to make their **API development easy and simple**.

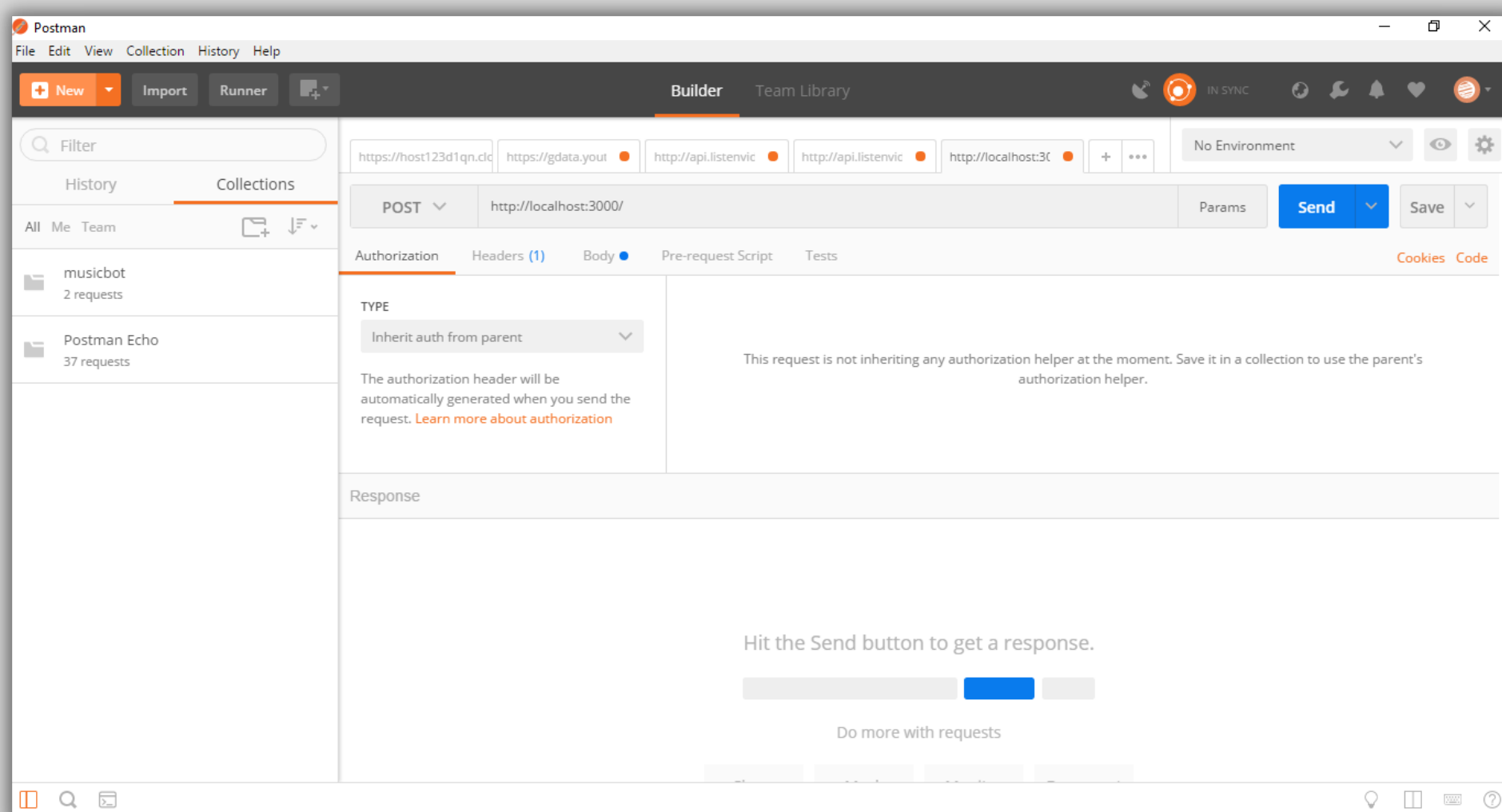


The Postman testing tool is a complete API development platform with various **built-in tools** that support every stage of the API lifecycle.



Explaining the Interface :

- The longest middle input field that looks something like a search bar is where the URL that we want to GET or POST or DELETE,etc. is fed.
- Just to the left of it, is a drop down button which has all the various HTTP methods as options. If you want to POST to the URL that you have specified, select POST.
- To the right of it is the params button. If you click on it, a new interface will appear. Params are basically the data that we want to send to the server with our request. We will use this params interface to POST to put app a new User.
- To the left of this button is the Send button which is used in sending the request to the server or the app in this case.



Why Postman?



1. Test Suites - Create them with ease

In order to ensure that your API is working as expected, the Postman tool allows you to create collections of integration tests. For each of these tests, that are run in a specific order, an HTTP request is made and the assertions written in JavaScript are used to verify the integrity of the code. You also have the freedom to manipulate the data that you receive with the Postman application, courtesy of the assertions written in JavaScript

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2. Testing in different environments? No Problem!

Postman testing tool allows you to store certain information about the different environments that you use and automatically insert the correct environment configuration for the test collection that you are running.



3. Data Storage

You may have an API that requires some specific data received from another API. Postman tool allows you to store such data from previous tests into global variables, and these can be used in a similar way as environment variables. You can either store the response or a part of the response and use it for the subsequent API calls.

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4. Better Integration

The Postman testing tool has a unique interface that allows you to easily run a collection of tests right from the command line.



Create, Read, Update, and Delete (CRUD) are the four basic functions-

GET-The GET Method. GET is used to request data from a specified resource. GET is one of the most common HTTP methods.

POST- POST is used to send data to a server to create/update a resource,

The data sent to the server with POST is stored in the request body of the HTTP request:

PUT is used to send data to a server to create/update a resource.

The difference between POST and PUT is that PUT requests are idempotent.



PATCH- PATCH is somewhat analogous to the “update” concept found in CRUD (in general, HTTP is different than CRUD, and the two should not be confused)

DELETE- The DELETE method deletes the specified resource

