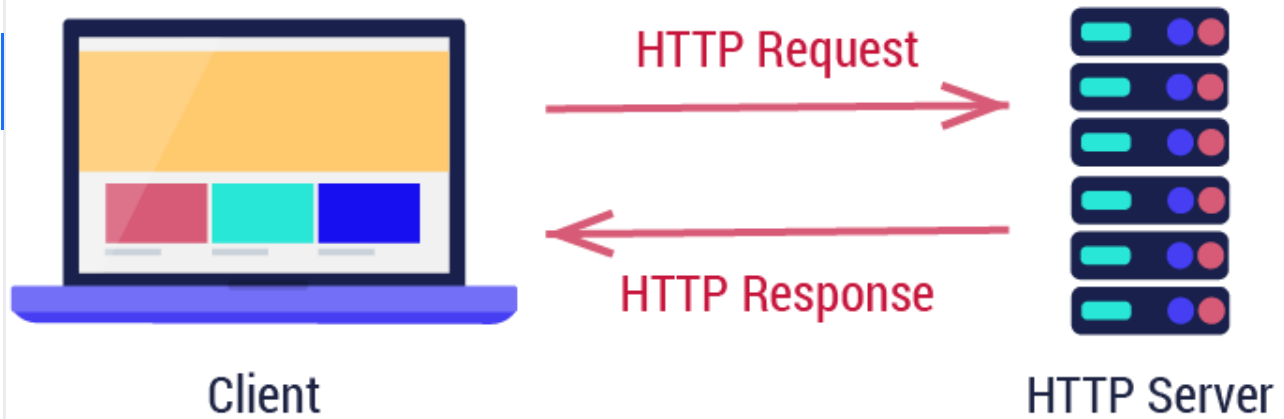


⚡ Current Skill Requests : Methods

Requests



We can imagine the web browser as the client and the computer application that hosts a web site as the server.

Example: A client (browser) submits a HTTP request to the server then the server returns a response to the client.

The response contains status information about the request and may also contain the requested content.

Methods

The most-commonly-used HTTP verbs (or methods, as they are properly called) are **POST**, **GET**, **PUT**, **PATCH**, and **DELETE**. These correspond to create, read, update, and delete (or CRUD) operations. There are a number of other verbs too, but they are used less frequently. One of those methods are **OPTIONS** and **HEAD**. These are used more often than others.



HTTP Request Methods GET, POST, PUT, DELETE



POST

POST 127.0.0.1:3000/user/signup

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL BETA

	KEY	VALUE
<input checked="" type="checkbox"/>	email	ahmed222@gmail.com
<input checked="" type="checkbox"/>	password	123

The POST method is used to send data from the client (browser) to the server. As we can see in the example below, we used Postman to enter the URL 127.0.01 on the port 3000 with a POST method. The body of this request contains the email and the password.

GET

GET 127.0.0.1:3002/product/all

Params Auth Headers (9) Body Pre-req. Tests Settings Cookies Code

Status: 200 OK Time: 15ms Size: 541 B

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

```
1  [
2    {
3      "_id": "5e440235fb22be76006a774a",
4      "name": "aa",
5      "quantity": 123,
6      "createdAt": "2020-02-12T13:48:37.571Z",
7      "updatedAt": "2020-02-12T13:48:37.571Z",
8      "__v": 0
9    },
10   {
11     "_id": "5e45148cebde4a11cc88021d",
12     "name": "cc",
13     "quantity": 4,
14     "createdAt": "2020-02-13T09:19:08.951Z",
15     "updatedAt": "2020-02-13T09:19:08.951Z",
16     "__v": 0
17   }
18 ]
```

In this example, we use the GET method to fetch data from the API.

PUT

PUT is used to update requests and to modify entries in the database. So, generally PUT requests are sent with an ID as a query or a params and the new data is shown in the body.



//id as query

http://localhost:3000/user/profile/?id=5e3bebed40dfda2656da1788

//id as params

http://localhost:3000/user/profile/5e3bebed40dfda2656da1788

PATCH



PATCH	▼	127.0.0.1:3000/user/profile/?id=5e3bebed40dfda2656da1788
-------	---	--



The HTTP PATCH request method applies partial modifications to a resource.

Unlike the PUT method that only allows complete replacements of a document.

Delete



DELETE	▼	127.0.0.1:3000/user/profile/?id=5e3bebed40dfda2656da1788
--------	---	--



In this example, we sent a request to delete the user and the method DELETE is used with the ID

5e3bebed40dfda2656da1788



Conclusion

HTTP defines a set of request methods that indicate the wanted action to be performed on a given resource. Even though they can be nouns, these request methods are sometimes referred to as HTTP verbs, you could check https://www.w3schools.com/tags/ref_httpmethods.asp.



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