

API 101: MAKING SOME CALLS

Lab 03 – CS 411 @
Boston University

API Terminology

API (Application Programming Interface)

- A set of definitions and protocols for building and integrating application software

REST API (or RESTful API)

- An API that conforms to the REST architectural style.

REST

- Stands for "Representational State Transfer"
- A client-server architecture made up of clients, servers, and resources, with requests managed through HTTP.

Request Terminology

GET

- Used to read/retrieve data from a web server. HTTP status code of 200 (OK) on success.

POST

- Used to send data (file, form data, etc.) to the server. HTTP status code of 201 on success.

PUT

- Used to modify the data on the server. Replaces entire content at a particular location with data that is passed in the body payload.

PATCH

- Similar to PUT request. It modifies part of the data, does NOT replace entire content.

DELETE

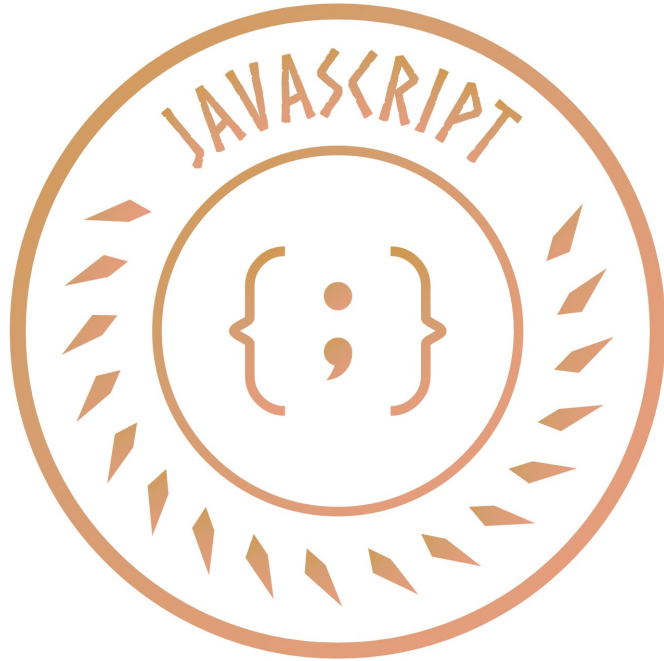
- Used to delete the data on the server at a specified location.

LETS MAKE SOME...

API CALLS

Tasks for Today!

- Solidify your APIs
 - Basically, choose at least two you want to move forward with and make sure they work
 - You can do this with Postman at first
- Start writing some code!
 - Once you know your APIs work, with the language of your choice try to make a call to one (or both) of them
 - This should be a great starting point for your project
- As per usual I'll be coming around if you need help



DevDocs

DEVELOPMENT RESOURCES

<https://www.theodinproject.com/>
<https://developer.mozilla.org/en-US/>
<https://devdocs.io/>

```
git add lab03.txt  
git commit -m "complete"  
git push origin master
```

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