

HTTP Methods Worksheet - HARD

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Instructions

1. What are the two most common HTTP Methods?
2. What are the next three most common (total of five with question 1) HTTP Methods?
3. For each of the 5 major HTTP Methods, fill in the table:

Method	Question	Answer
	What does it do?	
	How do you pass data?	

	Typical CRUD Companion?	
	Example Use Case	
	Example API Call	

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4. What's the difference between a *get* request and a *head* request?

A head request response includes headers, but no body. A get request includes the headers AND the body. A head request can tell you if something exists, but not show it to you.

5. What's the difference between a *post* request and a *put* request?

A put request is idempotent while a post request is not. This means that sending multiple of the same post request will create multiple resources on the server, while multiple of the same put requests should only create one resource.

6. Does the type of request enforce its behavior?

No, the request types are a way for developers to quickly understand and specify what an API does; it's up to the developers on the backend to implement actions correctly in response to the request type, parameters, and payload.

7. Does every API support all http methods?

No, the developers have to enable each of them.

8. What are the remaining request types we haven't mentioned?

They are:

- *Head - like a get request, but doesn't return a body*
- *Connect - establishes a tunnel to the server*
- *Options - describes methods for communicating with an API. (i.e supports, Get, Head, Post, etc).*
- *Trace - Used mainly for debugging, performs a message loop-back test*