

APIs Exercise

Part 1: Star Wars API

For each of the following use the [SWAPI docs](#), to figure out the complete URL(s) (including params or queries) that you need to go to in order to reach the following data:

1. the height of Darth Vader
 - a. <https://swapi.dev/api/people/4?height=>
2. the population of the planet Alderaan
 - a. <https://swapi.dev/api/planets/2?population>
3. the name of the manufacturer of the Millennium Falcon
 - a. <https://swapi.dev/api/starships/10?manufacturer>
4. the name of the species that C-3PO belongs to (multiple URLs)
 - a. <https://swapi.dev/api/people/2?species>
 - b. <https://swapi.dev/api/species/2/>
5. the title of each film that Obi-Wan Kenobi is in (multiple URLs)
 - a. <https://swapi.dev/api/people/10?species>
 - b. "https://swapi.dev/api/films/1/",
 - c. "https://swapi.dev/api/films/2/",
 - d. "https://swapi.dev/api/films/3/",
 - e. "https://swapi.dev/api/films/4/",
 - f. "https://swapi.dev/api/films/5/",
 - g. "https://swapi.dev/api/films/6/"
6. use the search query (the how to on the search query is at the bottom of the Getting Started section of the documentation) to get the information about the Millennium Falcon, it's a starship
 - a. <https://swapi.dev/api/starships/?search=millennium>

Part 2: Social Mountain

1. Check if the POST request accept params, queries, and/or a body. Which one(s) and what information is it expecting to be sent?
 - a. No parameters, but a body is accepted.

2. What data type does the GET request return?
 - a. Number and strings.
3. What would the URL look like for deleting the post with the id 555? (This post does not exist anymore, but the syntax is the same for existing posts,)
 - a. <https://practiceapi.devmountain.com/api/posts?id=555>
4. List the possible response codes from the GET request at '/posts/filter'
 - a. 200: Returns an array of filtered posts
 - b. 400: Request query is missing required text property.
5. Create a post whose text is your name, record the URL and body here:
 - a. POST practiceapi.devmountain.com/api/posts/

Body:

```
{  
  "text": "Emmanuel"  
}
```

6. What would the URL and body object be to update the post you just made to contain your favorite color instead of your name?
 - a. PUT <https://practiceapi.devmountain.com/api/posts?id=85>

Body:

```
{  
  "text": "Sky Blue"  
}
```

7. What is the URL to get posts that contain the text "blue"?
 - a. GET <https://practiceapi.devmountain.com/api/posts/filter/?text=blue>
8. Make a request to GET all the posts. What are the content type and charset of the response? (Hint: look on the Headers)
 - a. application/json
9. What would cause a PUT request to return a 409 status?
 - a. A status code of 409 is returned when "Request was missing req.query.id or req.body.text".
10. What happens if you try to send a query in the GET request URL? Why do you get that response?
 - a. We get the query result with the requested information.