API Lab 04/26/2023

**Part 1: SWAPI**

1. the height of Darth Vader
   1. 202 cm
   2. https://swapi.dev/api/people/
2. the population of the planet Alderaan
   1. 2,000,000,000 inhabitants
   2. https://swapi.dev/api/planets/
3. the name of the manufacturer of the Millennium Falcon
   1. Corellian Engineering Corporation
   2. https://swapi.dev/api/starships
4. the name of the species that C-3PO belongs to (multiple URLs)
   1. droid
   2. <https://swapi.dev/api/people/> and https://swapi.dev/api/species
5. the title of each film that Obi-Wan Kenobi is in (multiple URLs)
   1. A New Hope, The Empire Strikes Back, Return of the Jedi, The Phantom Menace, Attack of the Clones, Revenge of the Sith
   2. <https://swapi.dev/api/people>
   3. "https://swapi.dev/api/films/1/",
   4. "https://swapi.dev/api/films/2/",
   5. "https://swapi.dev/api/films/3/",
   6. "https://swapi.dev/api/films/4/",
   7. "https://swapi.dev/api/films/5/",
   8. "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

{

"count": 1,

"next": null,

"previous": null,

"results": [

{

"name": "Millennium Falcon",

"model": "YT-1300 light freighter",

"manufacturer": "Corellian Engineering Corporation",

"cost\_in\_credits": "100000",

"length": "34.37",

"max\_atmosphering\_speed": "1050",

"crew": "4",

"passengers": "6",

"cargo\_capacity": "100000",

"consumables": "2 months",

"hyperdrive\_rating": "0.5",

"MGLT": "75",

"starship\_class": "Light freighter",

"pilots": [

"https://swapi.dev/api/people/13/",

"https://swapi.dev/api/people/14/",

"https://swapi.dev/api/people/25/",

"https://swapi.dev/api/people/31/"

],

"films": [

"https://swapi.dev/api/films/1/",

"https://swapi.dev/api/films/2/",

"https://swapi.dev/api/films/3/"

],

"created": "2014-12-10T16:59:45.094000Z",

"edited": "2014-12-20T21:23:49.880000Z",

"url": "https://swapi.dev/api/starships/10/"

}

]

}

**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?
   1. It accepts params and body in which the key is text and it is a json object that is the text of the new post
2. What data type does the GET request return?
   1. JSON Object
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, )
   1. DELETE https://practiceapi.devmountain.com/api/555
4. List the possible response codes from the GET request at ‘/posts/filter’
   1. Request query is missing required text property.
5. Create a post whose text is your name, record the URL and body here:
   1. https://practiceapi.devmountain.com/api/posts/?text="Jeri Stewart"
   2. {
   3. “id”: 1645,
   4. "text": "Jeri Stewart",
   5. “date”: “26 Apr 2023”
   6. }
6. What would the URL and body object be to update the post you just made to contain your faovrite color instead of your name?
   1. <https://practiceapi.devmountain.com/api/posts/?id=1645>
   2. The body object would be a JOSN that looks like:
   3. {
   4. "text": "Purple",
   5. }
7. What is the URL to get posts that contain the text “blue”?
   1. https://practiceapi.devmountain.com/api/posts/?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)
   1. application/json; charset=utf-8
9. What would cause a PUT request to return a 409 status?
   1. The request was missing a req.query.id or the req.body.text
10. What happens if you try to send a query in the GET request URL? Why do you get that response?
    1. It just returns the entire database because the get request doesn’t accept parameters so

**Part 3: Front End (Advanced)**