My goal is to design a website that gives all of the food facts for everyone. The type of person who will visit the website will range from anyone of any age range as long as he or she is not younger than a toddler. The data I’ll plan to use will be all of the nutritional fact about most foods people are eating. For example, banana will have their own distinct nutritional facts compared to let us say, rice or chicken or even avocado. Although these foods are different, they all carry different nutritional facts about them.

The type of data I would like the foods to contain are the different types of vitamins, minerals, or even number of calories in relation to a specific number of gram. Each foods are divided to 29 major categories and each of these categories are further divided into 3 types which are Lipids, Carbohydrate and Protein. Each of these types are further divided into subtypes like Polysaccharides, Glutamine etc… . Each of these subtypes have its own values per grams depending on the types of food.

In the visual representation of the database schema, we will have a food table which will join with one of the different food subtypes table like Carbs table, lipid table and protein table. The purpose of the join clause is to include the carbs, lipid and protein data inside the food table.

Now the types of issues I may run into is the lack of data that I would want. After doing the database design, I may have issue connecting to the database. Even within the code, I may encounter some database error messages especially when using an ODM like SQLAlchemy.

Thus, there are various issues that we may encounter with my API

References:

The 29 Different Types of Food

<https://www.homestratosphere.com/different-types-of-food/#:~:text=Here%E2%80%99s%20a%20list%20of%20the%20main%20food%20categories%3A,seeds%2010%20Herbs%20and%20Spices%20More%20items...%20>

Food Molecules

<https://www.worldofmolecules.com/foods/>