Lab 2 - Calculatrons

[Food.com Recipes and Interactions]

Data we have:

1. **Recipes. (Recipe ID, ID mapped to integers, list of techniques, calorie level, ID of ingredients)**
2. **Users. (User ID mapped to integers, recipes interacted w/, recipes reviewed, ratings, number of ratings)**
3. **Interactions. (User ID, Recipe ID, dates, rating value, rating text)**
4. **Ingredients. (Ingredient ID mapped to Ingredient names)**

Platform:

Web Application

Programming Languages:

- HTML
- CSS
- Javascript
- C++ (full stack maybe)
- Python3 (potentially)

Feature List (Questions of Interest):

Important features:

1. Which recipe has the lowest calorie content?
2. How many recipes can the user make in less than an hour?
3. What is a good meal for someone who is unable to eat certain things (allergies, diabetes, etc.)?
4. What other recipes did this particular User ID make?
5. What is the best thing to eat for calorie intake when working out or training?
6. What recipes can be made with given ingredients?
7. Which recipes have the highest ratings?
8. Which of the two recipes is better to make nutritional & time-wise?

Implement if we have time, because we need to use data outside of the database:

9. How many calories does other versions of this food contain?(can be extended to ratings, ingredients, or recipes for those with allergies.)
10. Does a certain ingredient lower the rating of foods? Does a certain ingredient raise the rating of foods?
11. Which recipes are lactose intolerant, gluten-free, etc.?