Capstone One: Project Proposal

1. What goal will your website be designed to achieve?
Create a food nutrition tracker so that users can track their daily calories and macronutrients

2. What kind of users will visit your site? In other words, what is the demographic of your users?
Anyone who is interested in tracking their nutrition.

3. What data do you plan on using? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain.
Food nutrition database API. (Nutritionix) You can search for a qty and name of food such as "100 g rice" or "1 cup rice" and it will respond with the nutrition information (calories, protein, carbs, fat, etc.)

4. In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

a. What does your database schema look like?
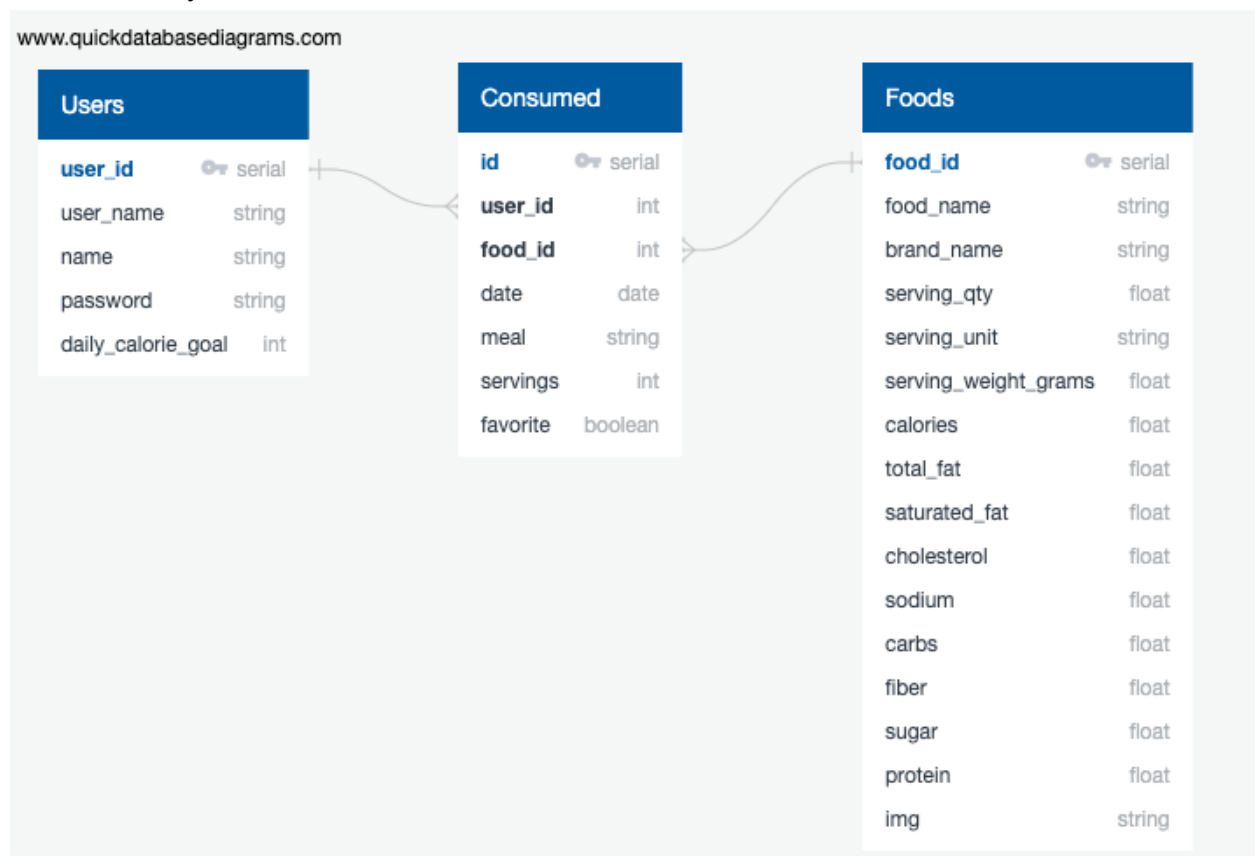
Home

| Home | ◁ Sun, May 7 ▷ | User Profile |

	Goal	−	Food	=	Remaining
Calories	1864	−	1000	=	1000
Carbohydrates	186g	−	90g	=	96g
Protein	186g	−	100g	=	86g
Fat	41g	−	15g	=	26g

Breakfast (Add Food)   Calories Carbs Protein Fat
  Banana
  Oatmeal

Lunch (Add Food)   Calories Carbs Protein Fat
Sandwich
Apple

Dinner

Snacks

Add Food (search)

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Meal [Breakfast]

Search [Banana]

[Search] [Add Food]

| | Qty | Calories | Carbs | Fat | Protein |
| IMG | 1 | 70 | 10 | 1 | 1 |

User Profile

Username
[Edit user info]

Goals	[Edit Goals]	
Calories	1864	100%
Carbohydrates	186g	40%
Protein	186g	40%
Fat	41g	20%

b. What kinds of issues might you run into with your API?
Finding the correct serving size or converting to the searched serving size.

c. Is there any sensitive information you need to secure?
User passwords

d. What functionality will your app include?
User can create an account/login. Search for foods and then save them to their daily foods eaten.

e. What will the user flow look like?
User login/ signup
User daily food log (can view current day or switch to previous days)
Food search
User Edit Profile

f. What features make your site more than CRUD? Do you have any stretch goals?
Display a nice chart or graph of the user's daily calorie intake vs daily goal