

# Nutrislice Backend Engineer Coding Assignment

## Food Search API

In your language/framework of choice, build a simple search api that returns zero or more foods based on a search query. Any given food can be part of zero or more menus. Additionally, each food will have zero or more nutritional values assigned to it. Below are the relevant models and their attributes to help facilitate any building. You will also receive three tab delimited files containing the data.

### Food

ID  
Name  
Description  
Price  
Image\_ref  
Import\_name

### Menu

ID  
Name

### FoodNutrition

ID  
Food\_id  
Vit\_d  
Vit\_c  
Calcium

## Requirements

- Please make your solution available on [github.com](https://github.com) for us to review together
- Specify the api endpoint contract (route, request, response payload)
- Ability to query the api for foods by
  - name and/or description
  - nutritional contents. I.e. search foods containing calcium
- Returns only the first 5 alpha sorted matches and includes

- Food Name
  - Price
  - Menu Count (how many menus each result is associated with)
- Bonus: Add API level unit tests
- Bonus 2: the response payload also contains how many more pages of results exist based on 10 results/page

## Notes

Please do not spend more than 2-3 hours on this assignment. Additionally, this is purely as an interview exercise and not for production purposes. We are solely interested in how you address the requirements.