

Recipe Finder

Please provide a link to an online repository (e.g. GitHub) with your solution and commit history

Given a list of items in the fridge (presented as a csv list), and a collection of recipes (a collection of JSON formatted recipes), produce a recommendation for what to cook tonight.

Program should be written to take two inputs; fridge csv list, and the json recipe data. How you choose to implement this is up to you; you can write a console application which takes input file names as command line args, or as a web page which takes input through a form.

The only rule is that it must run and return a valid result using the provided input data.

Input:

fridge csv

Format: item, amount, unit, use-by

Where;

- Item (string) = the name of the ingredient – e.g. egg)
- Amount (int) = the amount
- Unit (enum) = the unit of measure, values;
 - of (for individual items; eggs, bananas etc)
 - grams
 - ml (milliliters)
 - slices
- Use-By (date) = the use by date of the ingredient (dd/mm/yy)

e.g.

```
bread,10,slices,25/12/2014
cheese,10,slices,25/12/2014
butter,250,grams,25/12/2014
peanut butter,250,grams,2/12/2014
mixed salad,150,grams,26/12/2013
```

recipes json

Array of recipes with format specified as below

- name : String
- ingredients[]
 - item : String
 - amount : int
 - unit : enum

e.g.

```
[
  {
    "name": "grilled cheese on toast",
    "ingredients": [
      { "item": "bread", "amount": "2", "unit": "slices"},
      { "item": "cheese", "amount": "2", "unit": "slices"}
    ]
  },
  {
    "name": "salad sandwich",
    "ingredients": [
      { "item": "bread", "amount": "2", "unit": "slices"},
      { "item": "mixed salad", "amount": "100", "unit": "grams"}
    ]
  }
]
```

Notes:

- An ingredient that is past its use-by date cannot be used for cooking.
- If more than one recipe is found, then preference should be given to the recipe with the closest use-by item
- If no recipe is found, the program should return "Order Takeout"
- Program should be all-inclusive and a run script (if required) included
- Please include evidence of unit testing

Using the sample input above, the program should return "Salad Sandwich".