Recipe Finder

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,500,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":"200", "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 included
- Please provide a complete copy of a git repository, or a link to a github/public repo
  - We want to be able to see your commit history
- Include unit tests

Using the sample input above, the program should return "salad sandwich".