The Fridge

Scenario: A mealtime is approaching (breakfast, lunch, dinner). You want to cook something instead of going out to eat. You pull out your personal **cookbook** and decide on what dish you want to make. There are so many dishes to choose, however, that **you cannot decide.** Furthermore, you can **only cook based on what is available on the fridge**. You decide to make a dish that **you can make** and **if you have the ingredients**. You also want to **eat something different every day**. Therefore, you want a **dish that you have not made often**.

Goal: Pull a random dish out a cookbook that you can make if you have the ingredients

Features:

* Cookbook: A collection of recipes that you know how to make
  + Recipe
    - Name
    - Type of meal
    - List of ingredients needed
    - Procedure
    - Number of times made
  + Functionality
    - Add a new recipe to the cookbook
    - Display recipe
    - Pick a recipe
      * Pull all the recipes that has all ingredients available
      * Pull recipes that you rarely made
        + E.g. Out of 5 recipes, 3 were made 0 times while 2 were made 1 time. Therefore, pull the 3 recipes that were made 0 times.
      * Display all remaining recipes.
      * Select one of the recipes.
        + Update the quantity of the ingredients used in the recipe
        + Increment the number of times the recipe was made
* Fridge: Inventory of ingredients you currently own
  + 5 compartments corresponding to food group
  + Ingredient:
    - Name
    - Food group
    - Quantity
  + Functionality
    - Add new ingredients to the fridge
    - Display the ingredients
    - Update the number of ingredients
    - Check available ingredients from recipe