**Home Kitchen Inventory Management System**

This program will be used to create weekly/monthly/yearly expense reports for either home users or commercial kitchens to keep up with incoming and outgoing food product expenses. These reports will be displayed as graphs as well as lists of flagged items either being underused (going bad) or overused (losing money) based on a database of recipes/inventory upkept by the end user.

This program is implemented in almost all commercial kitchens already and some are far better than others. The largest problem that our program works to solve is clunky user interface and aims to increase workflow for home chefs who wish to have a reliable way to manage their inventory.

This program will meet all required components by:

1. Using classes, objects, dynamically allocated memory to hide information from end user
2. Have a GUI that is easy to use for any application
3. Use an outside source(database/xml file) to import initial data used to build on
4. User will enter information that will update said source for future updates
5. Data will be presented in a well formed manner using graphs and lists

* User inputs weight in:
  + Dry in lb.oz , oz.gram (to tenth)
  + Wet in oz (to best measurement)
* Database should include:
  + A previous baseline of inventory amounts
  + Cost of items.
  + Weight of items
  + Listed by name.
  + Recipe and individual items in separate lists/separate databases
* General Idea of this program is:
  + Take in weekly usage report.
  + Divide them into product-by-product basis
  + Use user input/stored recipes and stored products to determine over/under on product usage.
  + Provide a way to add/delete specific items.
  + Flag products that have been overused/wasted causing a loss.
  + Ideally display a weekly updated report that shows gains/losses due to inventory.
* Testing of this program will consist of:
  + Loading a preset number of recipes into the program (these will be loaded in as objects that the user can input/load in from text file)
  + User must manually enter each weeks inventory which will be stored in a database (JSON)
  + These files can either be manually selected locally or stored on cloud service