Program Summary

The program I am making is a delivery service for weekly grocery shopping based on selecting individual meals which automatically create a new shopping list. The application should also increase productivity, by quickly generating shopping lists without the user having to do much besides select the meals which they wish to eat that week.

The target audience for this program would be those who routinely shopped around a week based time period. Additionally, the program would allow individuals to introduce new or altered versions of each meal, creating a network of recipes, similar to that seen on recipe websites and the like.

One of the current limitations of the project is the ability and speed to add new meals from which the user can choose. The current system requires a method to be written to initialize a new meal object, with all ingredients being constructed within the method. This causes a large amount of time to be spent solely on implementing these meals instead of working on new features. This problem could potentially be solved with serialization of objects to a separate file, allowing the program to pull in premade ingredients to form the meal.

Future iterations of this program will have a large variety of features currently unavailable. The first and primary feature would be the ability to add and create recipes not present in the default selection. This feature would include the ability to share recipes and search a general library of recipes for similar content.

A second feature would be the ability to sort meals based on diet, ingredient, or price range. This would allow weekly planning to be based on a variety of dietary needs like nut allergies, or veganism. It would also help manage budgets whilst planning splurge meals or other plans. A stretch feature would be to add the ability to customize or add sides to meals. This would increase the amount of variability to the program.