Program Pseudocode and Documentation

1. My business type will be a restaurant.
2. My company name is Digital Foodware.
3. Pseudocode:

Ingredient apple = new Ingredient(weight, calorie);

//New ingredient apple

Entrée fruitPlate = new Entrée(apple);

//Entrée fruitPlate will contain apple or any other ingredients and will calculate the total calorie count.

fruitPlate.display();

//Is for debugging purposes, to see the total calorie count of fruitplat

A close up of text on a white background

Description automatically generated

1. Short documentation

The purpose of my program is to allow restaurants the ability to calculate the calorie count for the meal they create and serve. In today’s world, a lot of people want to know what they are eating and what are the details of what they are eating. With this program, it will incentivize companies/restaurants to put calorie counters on their meals rather than just leaving their menus with only the names of the meal. The business function of this program will come from the restaurant. They would incorporate and implement the software with the cooks of their restaurant because they know the food ingredients. From there, the business would put this on their menu making people who are interested in what they eat more motivated to come and eat at their restaurant as a result. The technical function is pretty much the accuracy of the program. Rather than cooks having to guess the proper meal details such as the calories, they can use this program to expedite the process while being much more accurate.

The function of my program will be a semi-complex calculator tool that will take information such as what ingredients are used and their weight to use proportions and calculate the total sum of calories in a particular meal. I will take information from accredited resources on the calories of an edible with its corresponded weight. From there the software will be able to create a ratio so that custom inputs would be able to be calculated and outputted.

My objective is to make the software as simple to use while still being intuitive and functional. Not everyone likes to tinker with computers and mathematics, so making a simple to use software that will maintain itself while being easier than math would be a great end goal for the user’s sake. Another thing is that it can help companies and restaurants with getting their food to match up with health requirements. They can determine how much of certain ingredient is needed before it too much. It is almost like a fact checker in that way.