**Ugochuku Enyi Ebere**

**CS 210 project 3: thought process**

To commence this project, we will first start with the item menu. This particular task has been applied in previous projects and should therefore be easier to take care of. We will use if statements to ensure that every branch is explored according to the user’s selection.

It might have been a good idea to declare, and then define member functions and variables to maintain readability, but we will counter this with comments in and around functions as we define them on the go. I defined function stubs and began to fill out the program according to the user selection. Some functions seem to work fine despite build errors.

Created a mini class to hold certain variables, namely item name and frequency.

The biggest task now is to read the data and frequencies from files according to the names provided. To ensure that the file is opened and read, we will have some form of validation to ensure that it is.

Two functions, the ones for item frequency and the histogram, will basically be the same, but with differing end actions.

I was able to ensure that function calls weren’t errant. However, I couldn’t make frequency.dat open. Due to my elusive success in this area, I believe I could, sorry, would get fired.

Menu selection function:

A screenshot of a computer program

Description automatically generated with medium confidence

Elusive freq.dat opening

A screenshot of a computer program

Description automatically generated with medium confidence

Freq list and item histogram functions and similarities

A close-up of a computer code

Description automatically generated with low confidence