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CS-210: Module 7: Project Three

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**Corner Grocer Documentation**

The program created for Corner Grocer utilizes the programming languages C++ and Python to analyze the “CS210\_ProjectThree\_InputFile.txt” and output the frequency of all items to a new file named “frequency.dat”. The Python version of this program is a simplified version that does not contain a menu. Rather, it goes directly into opening the file, obtaining the frequency of all items, and outputting that frequency into a new file. To add, the Python version of this program was used to get an idea and (more or less) get a feeling of how it could be done with C++, and how could the goal of helping Corner Grocer manage their inventory better be achieved (through programming). With C++, two “.cpp” and one “.hpp” files were created. One “.cpp” file contains the menu, and gets the user’s input. The other, opens the “CS210\_ProjectThree\_InputFile.txt”, analyzes the frequency of all items, and creates a new file called “frequency.dat” to save the frequency. Finally, this C++ program is a demonstration of how far I’ve come in this course and what I’ve learned from the language. I’m confident Corner Grocer will like it. Below some images with code from the program.

Python (showcases how frequency of all items is saved):

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generatedC++ (show cases Corner Grocer’s program menu, analyzation of items, and “.hpp” file):

A screen shot of a computer program

Description automatically generated

A screen shot of a computer program

Description automatically generated