Romario Gustave

SNHU Feb 2023

[CS-210-T3248 Programming Languages 23EW3](https://learn.snhu.edu/d2l/home/1231209)

**Corner Grocery Inventory Management System**

The Corner Grocery Inventory Management System is a program designed to manage the inventory of a small grocery store. It allows the user to perform various tasks, such as searching for the frequency of a specific item, printing the list of items and their frequencies, and printing a histogram of the item frequencies.

Functionality: The program reads data from a text file named "CS210\_Project\_Three\_Input\_File.txt". Each line of the file contains an item name and its frequency. The program offers the following functionalities:

1. Find the frequency of a specific item: This function allows the user to search for the frequency of a specific item in the inventory. The user is prompted to enter the name of the item they wish to search for. The program then searches for the item in the text file and returns its frequency.

Text

Description automatically generated

1. Print the list of items and their frequencies: This function prints the entire inventory list along with the frequency of each item in the file.
2. Print a histogram of the item frequencies: This function prints a histogram of the item frequencies in descending order. The histogram is displayed in the form of asterisks (\*) next to each item name, representing its frequency.

To use the program, the user needs to run the code in a C++ compiler. The user is then prompted to choose from a menu of options, which include finding the frequency of an item, printing the list of items and their frequencies, printing a histogram of the item frequencies, or exiting the program.

The Corner Grocery Inventory Management System provides a user-friendly interface for managing the inventory of a small grocery store. It allows the user to easily search for specific items, view the entire inventory list, and visualize the frequency of items using a histogram. This program can be used as a tool for improving the efficiency of inventory management in small businesses.