## CS 210 Project Three: Grocery Tracking Program

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This application was designed to help The Corner Grocer figure out how often items purchased throughout the day are. The application reads from an input file, processes, and provides the ability to search for a given frequency of items, list all the frequencies, and generate a histogram.

The program is written in C++ using a class called GroceryTracker. The class uses private member variables for storing item frequencies and file names, and public member functions to load data, search items, print frequencies, and save data. An item-frequency pair is stored compactly using a std::map.

Function:

The program’s menu options are as follows:

* Menu Option 1 - Allows the user to search for an item and display its frequency.
* Menu Option 2 – Prints all items and their frequencies.
* Menu Option 3 – Displays a histogram of item frequency using asterisks.
* Menu Option 4 – Quits the program.

Screenshots:

A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.Menu options: Searching for an item: Quitting the Program Histogram output

A screenshot of a computer

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As demonstrated, the program meets the requirements for tracking item frequencies

and generating reports.