Corner Grocer Program

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**Overview**  
The Corner Grocer program is a C++ application that tracks how many times each item is purchased and provides a user-friendly interface to look up item frequencies, display all item frequencies, and print a histogram of item counts. It also creates a backup file, **frequency.dat**, to store these frequencies for later review.

**Design and Implementation**  
A class named **GroceryTracker** contains all the core functionality. Internally it stores item names and their respective frequencies. When an instance of **GroceryTracker** is created, it automatically:

1. **Reads** from the item list to populate the frequency map.
2. **Writes** the resulting frequencies to **frequency.dat** as a backup.

Public methods in **GroceryTracker** include:

* **getFrequency(item):** Returns how many times a given item appears.
* **printFrequencyList():** Prints a list of all items and their frequencies.
* **printHistogram():** Displays each item followed by asterisks (\*) representing how many times it was purchased.

The **main** function presents a menu with four options:

1. **Lookup Item Frequency**
2. **Print Frequency List**
3. **Print Histogram**
4. **Exit**

**Conclusion**  
This project meets the requirements by reading and storing grocery data, then offering a clear, menu-based interface to retrieve frequencies and display results. It demonstrates object-oriented principles through the **GroceryTracker** class, uses file I/O for reading and writing data, and leverages C++ standard library containers for efficient item-frequency mapping.

Screenshots:



