**Gabriela Pastor**

**Project Three: Grocery Tracking Program for Corner Grocer**

The Grocery Tracking Program helps the Corner Grocer analyze daily sales records and optimize their produce layout. It processes a text file of purchased items and offers several useful features:

**Functionality:**

The program allows users to search for the frequency of a specific item. By entering an item name, users can see how many times that item was purchased.

It displays a comprehensive list of all items along with their purchase frequencies. This helps the store understand which items are most and least popular.

The program provides a visual representation of item frequencies in the form of a histogram. Each item is displayed with asterisks, where the number of asterisks matches the item's purchase frequency.

At startup, the program reads the input file and creates a backup file named frequency.dat. This file includes all item frequencies for data recovery purposes.

The program features an easy-to-use menu that allows users to navigate between different functionalities. It includes input validation to ensure users enter valid choices and item names, preventing errors and enhancing reliability.

By leveraging this program, the Corner Grocer can gain valuable insights into their sales data, allowing them to better organize their produce section based on customer purchasing habits. This can lead to a more efficient store layout, improved customer satisfaction, and potentially increased sales.