Project 3

# Project Overview

The Corner Grocer needed a simple, accurate way to track how often each item was purchased throughout the day. To help them improve their store layout and restocking process, I created a C++ program that reads a list of purchased items from a file and shows how many times each one was bought.

The program features a clear menu that allows the user to:

Search for a specific item

View all item purchase counts

See a histogram made of asterisks

Exit the program cleanly

It also automatically saves a backup file (frequency.dat) with all the frequency data—no user action needed.

# How It Works

I used C++ features like:

A map to store item names and how many times they appear

A custom GroceryTracker class to organize all program functionality

File input/output to read the item list and create a backup

Input validation to make the program easy and safe to use

The program reads each line from the file, counts items, and then responds to user choices through a looped menu. Everything is well-commented for clarity and easy maintenance.

Photo Documentation  
  
  
  
  
  
  
  
  
  
