CS132 Lab 4

Spring 2024

Instructions: For this lab, you will write a program that reads in a list of items for a camera store. The items for the list are in a file called *InventoryFile*.txt. The program will give the user options to *insert* an item, *remove* an item, *display* the list of items, *search* for an item, or exit the program.

Each line of the file *InventoryFile* has the following format:

Item Number – an integer

Number in stock – an integer (between 0 and 999)

Unit Price – a floating-point value

Minimum inventory level – an integer

Item name – a character string

* You will have to define a struct to hold the info for each item, and then your list will be an array of the structs. You will probably have to overload some operators for your struct.
* Your struct definition and overloaded operators should be in a separate header/implementation file from the list header/implementation.

Your driver file should create the list, read in all the items, and then ask the user what to do (insert, delete, etc…), repeating until the user chooses to exit

When you are done, the list should be output to a file called *NewInventory*.

You will send me your driver, the list header and implementation, and the struct header and implementation. That’s correct, 5 files.