

Junior Knights: ArrayList of Classes Assignment

Write a program that runs a simple grocery store. Your store will have the ability to stock an item, sell an item, discount the price of an item, print its stock and search for an item. For convenience, this time, the item class will be given to you.

Please create a static menu method to print out the following options for the user:

1. Stock an item
2. Sell an item
3. Discount an item
4. Print everything in stock
5. Search for an item by name
6. Print out the total sales of the store.
7. Quit

When you stock an item, please ask the user for the following information about the item:

1. Its name (a String)
2. Its price (a double)

When you sell an item, print out a list of each item and ask the user to select the number of the item on the list they wish to buy. Then, remove this item from the list and add its price to the total sales.

When you discount an item, print out a list of each item and ask the user to select the number of the item on the list to discount. Then ask them to enter an integer percentage for the discount. (We will just assume that they enter a number strictly in between 0 and 100.) Then, apply the discount to the chosen item.

When the user asks to print the stock, just go through and print out each item in stock.

When the user asks to search for an item by name, prompt the user to enter the name of the item (String). Then, run a loop through each item in stock to see if any of the item names match the name that's entered. If so, print out a message saying the item is in stock and print out its cost. If not, print out a message saying that the item isn't in stock.

When the user asks to print out the total sales, just do so.