

(40 points)

Write a program that will manage the Point of Sale for a Grocery Store. Make sure that we follow all the programming styles (**20% of the grade**) that we have learned in class:

- proper variable names
- use of functions
- readability
- comments/documentation

Project Description

Write a program that will be Point of Sale system for a Grocery Store. For every transaction, the list of items will be displayed with the price. Also, the total sales amount will be displayed.

1. The list of items and its price will be loaded from a text file. Assume there are not more than 25 items in the store The sales tax is 8.25%. The following is the item.txt file (sample) with the name of the item and per pound cost

The menu.txt file:

Broccoli

2.00

Carrots

1.00

Cauliflowers

3.00

Asparagus

1.00

Jalapenos

1.00

Kiwi

1.00

Grapefruits

1.00

Plums

1.00

2. The Menu Display screen. After each selection, the program will display the Menu until E is entered).

AllyBaba Grocery Store

Grocery Items

B Broccoli (\$2.00 per lb)
C Carrots (\$1.00 per lb)
A Apples (\$3.00 per lb)
J Jalapenos (\$1.00 per lb)
K Kiwi (\$1.00 per lb)
G Grapefruits (\$1.00 per lb)
P Plums (\$1.00 per lb)

T Complete Transaction
X Cancel Transaction
E End of Daily sales

Make your selection

2. How to order items

Make your selection **B**
Pounds of Broccoli **2**
Cost: 2 lbs. of Broccoli: \$4.00

Make your selection **A**
Pounds of Apples **2**
Cost: 2 lbs. of Apples: \$6.00

Make your selection **T**

Grocery List

Broccoli	2 lbs.	\$4.00
Apples	2 lbs.	\$6.00

Sub Total \$10.00
Sales Tax (8.25%) \$0.83

Total Sales \$10.83

3. How to cancel a transaction

Make your selection **B**
Pounds of Broccoli **2**
Cost: 2 lbs. of Broccoli: \$4.00

Make your selection **A**
Pounds of Apples **2**
Cost: 2 lbs. of Apples: \$4.00

Make your selection **X**
!! Transaction cancelled

4. How to end daily sales a transaction

Make your selection **E**
Daily Sales Transactions (Grand Total)

Items Sold...		
Broccoli	2 lbs.	\$4.00
Apples	2 lbs.	\$6.00

Sub Total		\$10.00
Sales Tax (8.25%)		\$0.83

Total Sales		\$10.83

- The program keeps a running total of each item, subTotal, salesTax, and totalSales
- Only one item is ordered at a time
- When “X” is entered, it clears current transaction.
- When “T” is entered, it displays items purchased, subtotal, sales tax and total sales
- When “E” is entered, the program displays which grand total of items were sold, subTotal, salesTax, and totalSales
- Your numeric output must be formatted to show two places after the decimal even if the value after the decimal is 0. An output of 10 should display as 10.00.
- All output must have the appropriate labels.