

A windows application program using Visual Basic .Net is to written using data provided by the ABC Plant Supply Company. The data are provided in Table 1 below.

Table 1

Type of Plant	Original Price of Plant	Discounted Price of Plant
Flower-Iris	\$4.37	\$3.84
Flower-Lilac	\$5.22	\$4.49
Flower-Marigold	\$1.73	\$1.60
Herb-Basil	\$1.88	\$1.26
Herb-Mint	\$2.88	\$2.26
Shrub-Juniper	\$4.18	\$3.72
Shrub-Boxwood	\$9.22	\$8.70
Tree-Adler	\$39.88	\$34.60
Tree-Ash	\$43.80	\$38.60
Tree-Pine	\$28.60	\$26.94
Tree-Oak	\$33.84	\$29.32
Tree-Olive	\$19.20	\$17.24

You are to create a program that will allow the clerk to select the type of plant to purchase and determine whether or not to apply the discount price. The program should keep up with all purchases and provide a running total. There should be five buttons:

1. **Add Item**- take the item selected and determines if the discount check box has been checked, then calculate the cost of the purchase based on the quantity purchased. The information should be added to four list boxes and appropriately labeled.
2. **Remove Item**-remove a particular item from each list box and recalculate the total purchase price.
3. **Write Quotation**- write the items purchased, quantity purchased, and total purchase to a file.
4. **New Quotation**-clear the interface for a new purchase to be entered and reset focus to the combo box.
5. **Exit**-terminates the program.

The program requires the following objects:1 combo box (load plant selection), 1 text box, 12 labels(2 are used for date and time, while one will contain the total purchase price), timer, 4 list boxes, and 1 panel for input and 1 panel for output. Note: when the plant selection is make, the focus should go immediately to the text box to allow the quantity to be entered.

The zipped **project** (Example: CollegeJoeP4 should be e-mailed to cs375@cs.ua.edu no later than 11:59 pm on the due date.

The following information should appear as comment statements in the **Main** section of the program:

Joe College
CS375 Project 4
April 23, 2010

Grading Criteria for the project:

Form: name and prefix (2 points)

Buttons: prefix and caption (10 points)

Labels, timer, text box, and check box: prefix (15 points)

Code for Main: use of indentation, use of meaningful names, calculation techniques, use of comments, loading combo box and list boxes, proper calculation of purchase total, and desired output (33 points)

Total Points: 60

Sample Output:

Project 4 - Spring 2010

Wednesday, April 07, 2010 1:18:55 PM

Please Click Your Choice Below

Quantity

Rulers
Erasers
Pencils
Pens
File Folders

Quantity

Add Purchase

Reset

Remove Item

Exit

Product	Quantity	Price	Ext. Price	Tax
Rulers	15	\$1.25	\$18.75	\$0.94
Erasers	25	\$0.50	\$12.50	\$0.63
Pencils	50	\$0.75	\$37.50	\$1.88
Pens	100	\$1.50	\$150.00	\$7.50
File Folders	10	\$2.00	\$20.00	\$1.00

Total Cost \$250.70