

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	Purchase > 5 \$3.84
Flower-Lilac	\$5.22	Purchase > 5 \$4.49
Flower-Marigold	\$1.73	Purchase > 10 \$1.60
Herb-Basil	\$1.88	Purchase > 10 \$1.26
Herb-Mint	\$2.88	Purchase > 10 \$2.26
Shrub-Juniper	\$4.18	Purchase > 5 \$3.72
Shrub-Boxwood	\$9.22	Purchase > 3 \$8.70
Tree-Adler	\$39.88	Purchase > 2 \$34.60
Tree-Ash	\$43.80	Purchase > 2 \$38.60
Tree-Pine	\$28.60	Purchase > 2 \$26.94
Tree-Oak	\$33.84	Purchase > 2 \$29.32
Tree-Olive	\$19.20	Purchase > 2 \$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 made, the focus should go immediately to the text box to allow the quantity to be entered. The checkbox will either be checked or unchecked depending on the amount of the purchase.

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 5
April 30, 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

File output:

```
Flower - Iris      5 $3.84 $19.20
Flower - Lilac    3 $4.49 $13.47
Flower - Marigold 6 $1.60 $9.60
Shrub - Boxwood   10 $8.70 $87.00
Tree - Alder      2 $34.60 $69.20
Tree - Ash        3 $38.60 $115.80
Tree - Pine       2 $26.94 $53.88
```

Sample Output:

Project 5 Spring 2010

ABC Plant Company

Thursday, April 15, 2010

1:22:57 PM

Input Section

Product Selection

Tree - Olive

Quantity Selection

10

☐ Apply Discount

Add Item


Remove Item

Write Quotation

New Quotation

Exit

Quotation Results

Product Description	Quantity	Price Each	Extended Price	Picture
Flower - Iris	10	\$3.84	\$38.40	
Flower - Lilac	25	\$4.49	\$112.25	
Shrub - Juniper	30	\$3.72	\$111.60	
Tree - Ash	10	\$38.60	\$386.00	
Tree - Oak	5	\$29.32	\$146.60	
Tree - Olive	15	\$17.24	\$258.60	

Quotation Total

\$1,054.00