

COM 150-03 Introduction to Computer Programming

Program #5: Flowers Inc.

The purpose of this exercise is to create a program computes that contains multiple forms that allow the user to find out what their favorite flower says about them, build their own Bouquet and place their final order.

Form 1: This form should be your main menu. Give the user the opportunity to 'take the quiz' or 'build their bouquet'. Make sure to include an exit button here.

Form 2: This form should allow the user to take a quiz to reveal what their favorite flower says about them. You should take in the user's name (input box) and provide the user with the option to choose only one type of flower (radiobutton). Output the user's name, the name of flower selected, and the 'description'. Output a photo the selected flower too. Make sure to add a clear button and a button that takes the user back to the main menu. Description text listed below.

- *Roses - You think with your heart and know how to make a statement*
- *Tulips - You are thoughtful and confident and are always coordinated.*
- *Daisies - You are an optimist who can find the good in any bad situation.*
- *Daffodils - You are fun and laid-back and always put friends and family first*
- *Sunflowers - You love to be around people and make new friends.*
- *Lilies - You are hard worker and proud of all you accomplish.*

Form 3: This form should allow the user to build their own bouquet. Allow the user to input the type of flower and quantity (inputbox), the accents (checkboxes), and the type of container (radiobutton). You must calculate the total order with tax. Make sure to include a button called 'checkout' that will take the user to form 4, a clear button and a button to take the user back to the main menu. Options listed below.

<i>Flowers</i>	<i>Accents</i>	<i>Container</i>
- Roses (2.80/flower) - Daisies (2.00/flower) - Hydrangeas (5.00/flower) - Lily (3.00/flower)	- Mini Spray Roses (2.65) - Baby's Breath (1.50) - leather leaf fern (1.25)	- Vase (6.00) - Mason Jar (4.00) - Basket (8.00)

Form 4: This form will allow the user to 'Checkout'. Allow the user to input their first name, last name, and address. Output this information to a listbox along with a summary of their order from Form3 and the order total from Form3. Include a button to go back to the main menu.

In this exercise, you will:

- Create algorithms
- Work with adding Controls to a Visual Basic Form
- Declare and Assign values to Global Variables
- Use a Constant Variable
- Cast Inputs to appropriate data types
- Use arithmetic operations
- Use Decision making concepts
- Use checkboxes and radiobuttons
- Use textboxes to input information
- Use a listbox to output information

Instructions:

1. Before your Code, for each mini-program: Create the algorithm
 - a. Identify inputs
 - b. Identify the steps in your process
 - c. Identify outputs
2. Create a new Visual Basic Windows Forms Application named 'FlowersInc' and save it to your i:drive
3. Design each form by adding the necessary controls. Play with the control properties to change colors/backgrounds. Keep design consistent throughout all your forms.
4. Write the code needed to perform required tasks for each form as described above.
5. Spruce up your forms by adding pictureboxes with a relevant images
6. Save All, Compile and Run Your Form
7. Upload the completed assignment to GitHub classroom.