Program 1 - Columbus Agency for Regional Travel (CART)
Maximum Points = 50

 The purpose of this assignment is to design and implement a Visual Basic program that uses a simple GUI that makes use of variables and arithmetic operations.

REQUIREMENTS DOCUMENT

Due Date:	11:55 pm on Tuesday, February 11, 2014
Application title:	Columbus Agency for Regional Travel Reservation System
Purpose:	The **Columbus** Agency for Regional Travel Reservation System will compute the fee, tax and final cost of a customer's reservation.
Program Procedures:	From a window on the screen, the receptionist enters the booking number, and the number of passengers doing the whitewater rafting (classic and high water), the number attempting the zip line, and the number of passengers on the canopy boat. The program calculates the total cost for the adventures, the tax, the service charge, and the final total and then displays these values.
Algorithms, Processing, and Conditions:	1. The agency name and picture will be displayed at all times. 2. The receptionist must be able to enter the booking number along with the number of passengers for each adventure. 3. After the receptionist enters the booking number AND the number of activities for the reservation, the receptionist clicks the Display Invoice button. 4. The program displays the number of each adventure ordered along with the individual costs, the total cost, the tax, service charge, and final total. 5. The individual cost, the tax, service charge, and final total should appear in currency format. 6. The costs are: Whitewater Classic = $32.50, Whitewater Highwater = $48.50, and Zip Line = $16. Canopy boat is $21 each. 7. The tax rate is 7% and the service charge is 15% and is applied to the total cost of the reservation. 8. The final total is calculated by adding total cost of all adventures, the tax, and the service charge.
Notes and Restrictions:	1. The receptionist can clear the order with a clear button. 2. The receptionist can close the application with an exit button.
Comments:	Use your own picture (from the web) for the agency.

Draw a template for the application and write a Use Case Definition BEFORE you start coding.

 Test your program frequently and TEST WHAT YOU SUBMIT.

(Due before 11:55 pm on Tuesday, February 11, 2014) Submit your files containing your program and design by zipping up the Project folder into a file named prog1-ws.zip where ws are your initials. Upload the file to the dropbox in CougarView.

NOTE: Documentation must include

A) Program block:

```
'****************************************************************************
' PROGRAM:        program name
' AUTHOR:         your name            (give credit for any code that is not yours)
' DATE:           date of creation
' PURPOSE:        detailed description of program
'****************************************************************************
```

B) Every subroutine

```
'****************************************************************************
'detailed description of the subroutine's function
'               (give credit for any code that is not yours)
'****************************************************************************
```

Grades are determined using the following scale:

- Runs correctly…………………….:___/10
- Correct output…….……………….:___/10
- Design of output……………….….:___/10
- Design of logic………………….:___/10
- Standards…………………………:___/5
- Documentation………………..…..:___/5