

CSCI 3328 Object Oriented Programming in C#

Assignment #2

Instructor: Dr. Xiang Lian
Due Date: See the course Web page

The purpose of this assignment is to make sure you can create and use classes and objects.

Write a program to create an estimate for a print job. I only require you to do this assignment using console. You are free to do it in windows if you wish. You must create and use classes. You can do this using 3 classes, one to read input, one to calculate and one to display. Please pay attention to alignment of the decimal numbers and thousand comma separator.

Please submit:

1. Program listing, and
2. The screen captures (as given in the Appendix)

Please submit in a compressed *.zip file.

You should follow the 2 guidelines below for this and the subsequent lab assignments.

- Your program should begin with a comment section that would include the following:

PROGRAMMERS NAME: _____

STUDENT ID: _____

CLASS: _____ ASSIGNMENT #: _____

DATE DUE: _____ DATE TURNED IN: _____

- Upload the *.zip file you created to the Blackboard. The subject of the submission must include the following information:
[CSCI 3328] [Assignment #] [Your Name Here] [Your Student ID Here]

Appendix: Examples of Screen Captures

```
ca. file:///C:/cSharp/2010PaintWalls/2010PaintWalls/bin/Debug/2010PaintWalls.EXE
This Program will Calculate Cost of Painting inside walls of a house.
You need to Enter the cost of a gallon of paint,
and length and height of each wall.
The program will calculate number of gallons of paint needed using
one gal of paint for 450 sqfeet of wall space.
Labor cost is a constant of 0.60 cents per sqft.

Enter Name of the Customer: John P. Abraham
Enter Telephone Number of the Customer: 956-381-3550
Enter Price of the Paint per Gallon: 21.50
Enter Length of the Wall: 50
Enter Height of the Wall: 30
=====

Enter Length and Height for Wall #: 2
Enter Length of the Wall (<0 to quit>): 40
Enter Height of the Wall: 30
=====

Enter Length and Height for Wall #: 3
Enter Length of the Wall (<0 to quit>): 0_
```

```
ca. file:///C:/cSharp/2010PaintWalls/2010PaintWalls/bin/Debug/2010PaintWalls.EXE
CSharp Painting Company
UTPA CSCI 3328
Ediburg, TX 78539
=====

Date of this Quote: 9/11/2010 7:00:14 PM
Name of the Customer: John P. Abraham
Customer Telephone : 956-381-3550
=====

Numer of Walls-----> 2
Total SqPt-----> 2700
Numer of Galons Paint Needed-----> 6
Price of Paint Per Galon-----> 21.50
Cost of Paint-----> 129.00
Cost of Labor-----> 1,620.00
Sub Total-----> 1,749.00
Sales Tax-----> 144.29
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Grand Total-----> 1,893.29
=====
```