Project #1: Conversion Calculator

CS0004

Due: February 16th, at the begining of class

Instructions

You are to implement the conversion calculator described in Assignment 1 in Visual Basic. The conversion calculator should take in a number from the user in inches and convert it to centimeters (1 inch = 2.5 centimeters). The number of inches can be a decimal number, as well as the number of centimeters. In addition to the conversion the user should be able to input their first and last name SEPARATELY and the program should display their full name in the same control. For example the user should be able to put in their first name in one text box and their last name in another text box and the program places their fist and last name separated by a space in a third text box. The following elements should be in your program:

- Interface controls
- Control properties
- Variables
- The string data type
- One or both of the number data types
- Assignment and/or initialization statements
- Arithmetic operator(s)
- String operator(s)

You will graded on the following criteria:

- The ability to successfully convert from inches to centimeters
- The ability to successfully combine a first and last name
- The use of the the elements mentioned above
- The use of good coding practices, including but not limited to clear documentation
- The ability to create an intuitive, easy to use interface

Up to ten (10) points in extra credit will be given if you also allow the user to convert from inches into furlongs (1 inch = 0.000126262626 furlongs). However, this must be done by only supplying one method of input for the user. In other words, I WILL NOT ACCEPT the project for extra credit if there is a text box for inches to centimeters AND inches to furlongs. An example of an acceptable solution is given on the course webpage.

I reccomend getting a small storage device such as a flash drive to save your work on. You can get these for under $20 at any Radio Shack, and many other stores. When you are done submit your project by zipping up the project folder and ftping it to the drop box for this course as described in class and here: http://www.cs.pitt.edu/~eth13/cs0004/submissionGuidelines.html. On the course webpage there is a grading rubric which I will be grading from. Keep this in mind while doing the project. Also on the course webpage there are examples of both regular and extra credit executable files for this project.