

PROGRAMMING ASSIGNMENT #3

Use VB.NET to write a complete Windows application which when invoked displays the greeting “Good Day!” in either English or in the language of your assigned country, at the user's discretion. Your application's GUI should display an American flag icon, a flag icon for your assigned country's national flag, and an “EXIT” button. When a flag icon is clicked, the corresponding greeting should be displayed (for example, as the text on a label or button control), and text labeling the EXIT button should also change to the appropriate language.

For example, if your assigned country's primary language is Spanish, clicking the American flag icon should cause the greeting:

Good Day!

to be displayed, and should cause the EXIT button to be labeled:

Exit

whereas clicking the your assigned country's flag icon should cause the greeting

¡Buenos Días!

to be displayed, and should cause the EXIT button to be labeled:

Salir

Your program must use the second localization method we discussed in class: design-time localization via the *localizable* property. Using the Visual Studio .NET Form Designer, set your form's *localizable* property to *true*, and then select the appropriate value for the *language* property as you design the GUI for each of the two languages in turn. Perform dynamic language/region selection during program execution by assigning the current thread's UI culture property the appropriate one of two CultureInfo objects instantiated with the corresponding standard four-character language/region identifier pair passed as the argument to the CultureInfo constructor.

On the due date, you must turn in a CD or DVD in a hard plastic case containing (1) a text file named "MY_NAME.TXT" containing your full name; (2) the complete project directory (including source code and deployable BIN subdirectory) for the .NET application specified above. You may code the application in any one of the following programming languages: Microsoft Visual Basic, Microsoft Visual C, Microsoft Visual C++, or Microsoft Visual C#. Your application must be executable by clicking on the project .exe file located in the BIN subdirectory of your project directory. The CD/DVD you submit must have your name and "CS-540 HW#3" printed on the CD/DVD's label surface in block capital letters using a black permanent marker. Electronic submissions are not acceptable. If your submission fails to adhere to any of the above requirements, it will be returned to you ungraded and a score of zero will be recorded for the assignment. In addition to the above submission, you will be required to demo your application in class to the instructor or the grader/assistant on the due date.