ASSIGNMENT #10

Write a software application conforming to the specifications "[1] Run-Time Localizable Application Software Specifications Version 1.3 (by M.Grant and L.Ynigo)" and "[2] Run-Time Localizable Application ResX File and Configuration Specifications Version 1.1" (by M.Grant and L.Ynigo)" distributed in class, with the following modifications/exceptions:

(1) Your application should be written in VB.NET, rather than Visual C#.NET as specified in [1]7.2.

(2) Your application need not provide the "rubber-button problem support" specified in [1]5.1–5.2.

(3) Your application need not conform to the variable naming standards specified in [1]6.1

(4) Your application should employ the same user interface/screen areas specified in [1]2.1–2.2, but need not conform exactly to the size, location, and aspect ratio specifications therein.

(5) Flag images and representative images should be embedded as binary objects in their respective resX files, rather than being referenced by relative path as described in [1]3.1–3.2 and [2]2–3.

For grading purposes you will be asked to demo your application, with the demo to include the following:

(1) Execute your application with exactly two LTR configuration resX files initially present in the deployment directory. Demonstrate that two flags corresponding to the resX files present in the deployment directory appear in the GUI and that the application behaves correctly (i.e., clicking on a flag correctly localizes the GUI to that language/locale).

(2) Move two additional configuration resX files into your deployment directory: one for an RTL language/locale and one for an LTR language/locale. Demonstrate that four flags corresponding to the resX files now present in the deployment directory appear in the GUI and that the application continues to behave correctly (in particular, exhibiting correct LTR and/or RTL behavior).

(3) Remove one of the LTR language/culture resX files from the deployment directory. Demonstrate that three flags corresponding to the resX files now present in the deployment directory appear in the GUI and that the application continues to behave correctly.

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