

## ASSIGNMENT #5

Produce a new version of the “Good Day !” program from Assignment #4A or #4B (you may use whichever method you prefer for handling image data in resX files), in which the GUI languages are English-US and Arabic-Saudi Arabia, as follows:

When a flag icon is clicked, the corresponding greeting in English (en-US) or Arabic (ar-SA) should be displayed, along with a .jpg image suggestive of the corresponding language/culture. When Arabic (which is an RTL language) is selected, the GUI should produce appropriate mirroring (e.g., the positions of GUI elements such as labels, buttons, picture-boxes, etc., should mirror within the surrounding application window; and left-justified text content on controls (if any) should change to right-justified; but the American and Saudi Arabian flag images should not mirror within their respective picture-box controls since specific diplomatic protocols dictate a unique "correct" orientation for these (asymmetric) flags when they are displayed as two-dimensional images (i.e., blue field with white stars in the upper right corner for the US flag, and sword point pointing to the left and text reading right-to-left for the Saudi Arabian flag).

You may code the application in any one of the following programming languages: Microsoft Visual Basic (preferred), 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. You should be prepared to demo your application during class to the instructor or the grader/assistant on the due date listed in the syllabus.