ASSIGNMENT #9

Modify the "Good Day !" program of Assignment #3 as follows:

When a flag icon is clicked, the corresponding greeting (in English, or in your assigned country's language) should be displayed AND SPOKEN OVER THE HOST PC'S SPEAKER, along with an image suggestive of the corresponding language/culture (for example, Mount Rushmore or the Statue of Liberty for USA; the Taj Mahal for India; the Eiffel Tower for France; a windmill for the Netherlands; etc.).

Your program must use the third ("ResXResourceSet"-oriented) localization method discussed in class: use the "CS 540 resX File Builder Utility" application (distributed in class) to create a .resX file for each language/locale manually, and effect dynamic language/locale selection by assigning a "current_ResXResourceSet" pointer to the appropriate one of two ResXResourceSets each instantiated with the corresponding one of your two .resX filenames/paths as the argument to the constructor. For string resources, the string "value" should be the foreign-language Unicode string associated with the resource internal name. For multimedia resources, the resource "value" is the path to the resource file associated with the resource internal name (e.g., resource internal name = "frenchImage", string value = "france.jpeg"; resource internal name = "frenchSpokenGreeting", string value = "france.wav"), not the resource itself itself. In this implementation, consequently, multimedia resources are NOT embedded directly in the .resX file(s); therefore, be sure to include in the bin directory (i.e., in the same directory as your executable program) copies of all resources access to which may be required by your program at runtime.

Clicking on a flag icon should select the appropriate ResXResourceSet, and the string resources and multimedia resources identified therein should be loaded and displayed/played under program control using a resource manager object that you instantiate.

On the due date and at any class meeting thereafter you must be prepared demo your application in class to the instructor or the grader/assistant for evaluation and grading.