Software Design CS 350 - Homework #1 - Part 4

The purpose of part 4 of the homework is to test the flexibility of your design with regard to I/O. Therefore, as we alluded to, we are going to change the method of output for our survey/test generation program. We've included links to code for a library for a text to speech in java. Modify your program so that you can display an entire survey/test with audio instead of the console. You should still use text for input as well as for all the menus.

Therefore, if you abstracted the Input and Output directly, then this is a very easy assignment. If you abstracted IO where the Input and Output are encapsulated together, then you need to separate them. If you didn't abstract Input/Output then you have a lot of busy work to do.

Please make sure you submit a complete project. This means including input files for your surveys and tests.

The following are the instructions for using the text to speech library:

The zipped folder includes the open source FreeTTS library, as well as a test Hello_World Project. In order to use this library, you must make sure that your build path is configured to include it.Â

A couple notes:

When downloading FreeTTS, it comes with specialized voices saved in another library. After quite a bit finagling and research, it seems that a common error people run into is console output saying that these voices are not defined and therefore will not be used.Â

We have decided to not worry about this error as it will not affect the default use of the FreeTTS library - the voicename variable should be set to "kevin" or "kevin16". That being said, if you have a work around or do some exploring on how to set the mbrola.jar up correctly, please let me know!

Please keep in mind that the idea of this assignment is display your projects ability to easily modify your output stream to use a text-to-speech synthesizer. If you applied the bridge pattern correctly (or potentially some other pattern) with your display methods, this should be a very easy assignment (no more than 30 minutes). If you did not - you may have quite some work to do for your program to translate all strings into audio output.

Please reach out to Ben if you are having any trouble with getting the test project to work.
Text to Speech files.