Proj 9 - StringUtils

* **Due**Apr 11 by 11:59pm
* **Points**40
* **Submitting**a file upload
* **File Types**cpp and exe

Problem

Create a personal library of string manipulation functions.

Specification

1. Implement the following four functions:
   * string trimFront(string);  
     The function returns a string with the leading blanks trimmed from the string argument.
   * string trimRear(string);  
     The function returns a string with the trailing blanks trimmed from the string argument.
   * string toUpperString(string);  
     The function returns a string with each character in the string argument converted to uppercase.
   * string toLowerString(string);  
     The function returns a string with each character in the string argument converted to lowercase.
   * int countWords(string);  
     The function returns the number of words in the string argument.
2. Store the functions in a separate namespace called StringUtils.
3. Write an application that tests these function to ensure they work properly.

Admin

1. Grading
   * 0 points if your program does not compile.
   * +5 for comments, indentation and placement of {} per [Style Guide](http://www.cs.slcc.edu/style-guide.shtml).
   * +5 for each specification met.
2. Submission: Attach your .cpp file(s) and the .exe file then submit.