

CS-182
C++ Program #6
Vectors of Strings

Date Assigned: **Tuesday, January 30th, 2001**
Date Due: **Thursday, February 8th, 2001**

The objective of this assignment is to use the STL classes vector and string to process a text file as data. The program should read each line of the input file and store it in a vector, to save for later processing. After the entire file has been read into memory, a histogram is to be generated that indicates how many times each word appears in the input file. For instance, if the input file contained the following text:

This program is hard, really hard!

The output would be:

hard	2
is	1
program	1
really	1
this	1

Notice that:

- the list is alphabetized
- punctuation and case are ignored
- the output table is organized into neat columns

These are additional requirements that your program must meet for full credit. Use the text from this assignment page as your sample text (for testing your program). As always, design and implement your solution using the available class libraries. Upon completion, submit to me a written report that fully describes your program and how you met the objectives, and a commented source listing that can be easily read and understood by any C++ programmer.