Homework Assignment 3 (Bonus Assignment)

Assigned Date: Wednesday, November 17, 2010

Due: 5:30 PM Wednesday, December 8, 2010

Educational Goal

Become familiar with sorting algorithms.

Requirements

- (Text book Question 8.33)Two words are anagrams if they contain the same letters in the same frequency. For instance, stale and least are anagrams of each other. A simple way to check this is to sort the characters in each word; If you get the same answer (in the example, we get aelst), the words are anagrams of each other. Write a method that tests if two words are anagrams of each other.

Submission Requirements

1. Prepare a readme file for your TA to run your project on his machine.
2. Generate Javadoc of your project. Your program should be well-documented. Variable names and function names should be self-descriptive. Major functions should be explained clearly The program outputs should be clearly presented.
3. Test your program thoroughly using 10 pairs of words (5 pairs are anagrams and 5 pairs are not). Submit the outputs of your program.
4. Zip all the files. Save the file as CS310_ lastname_firstname_hw3. For example, student John Smith should name his file as CS310_Smith_John_hw3.zip.
5. Turn in the paper copy and soft copy of the assignment. Submit the softcopy of the file through your UMassOnline account at http://boston.umassonline.net/index.cfm. Submit the paper copy along with the cover page in class. Paper copy should be bound firmly together as one pack (for example, staple, but not limited to, at the left corner). 5 points will be deducted for unbounded homework.
6. No hard copies or soft copies results in 0 points.