Project 11

CS 1323, Section 10, Fall 2015

This is a code review exercise. The purpose of code review is to get feedback from others on the code you write. This is something that every software engineer does professionally to learn how to program better. The goal of code review is not to see that the code works, but to see whether the code was done the best way possible. Running the code is not permitted during code review—it is based only on analysis. When professionals review code it takes about 1 hour per page.

You will answer the questions in this survey three times: once individually, once as a member of a group of 3-4 people, and then as a class as a whole. All questions/line numbers refer to the code that is handed out. You’ll get 2 points for each individual correct answer, 2 points for each group correct answer, and 50 points free for participating in both the individual and group surveys. This gives you a little bit of breathing room since code review can be hard. The project is still graded on a 100 point basis.

Make notes below on why you choose the answer your answer to help you participate in the discussions. You will hand in your individual and group answer sheet, but keep this one.

1. There are a sufficient number of comments in the code for someone who did not write the code to understand it easily.
2. The variable answer on line 21 is the correct type.
3. The code on line 22 is unnecessary.
4. The code on lines 39 to 44 is unnecessary as the code on lines 46 to 61 works when the first element is added to source.
5. The array source should have been constructed in the method fillOversizedArray (lines 35 to 63) instead of the main program.
6. The method call on line 81 should have source as the first argument, not similarList.
7. The searchForSimilars method (lines 100 to 122) should return an int instead of a String[].
8. The sort method (lines 123-134) is correct and uses insertion sort.
9. The Interface method (lines 65-99) should have been made into at least two smaller methods.
10. The return statement on line 91 is unnecessary.
11. Constants were properly used in the program everywhere they should have been.
12. There are a sufficient, but not excessive number of blank lines in the code
13. The Scanner object that represents the keyboard is used correctly in the program.
14. The program generally uses proper indentation.
15. All of the comments in the code are meaningful and correct.