

CSC 142: Computer Programming – HW 2

Possible Points: 25 points

Due Date: February 6, 2015

General:

This homework has the following goals:

- Give you practice working with code written by someone else
- Give you practice testing and debugging a program

Assignment:

1. (For 22 points). Your group has been assigned some programming tasks. You didn't have any assigned coding – instead, you were assigned the role of managing your team's work schedule and coordinating everyone's submissions so that all the code could be integrated into one team submission. Every team member was supposed to fully test and debug his or her code before turning it in to you a week ago. Predictably, no one actually turned their code in on time. You finally got the last submission – two hours before the entire project is due! Fortunately, you decided to look at this last file before sending it on to your boss -- and it doesn't run. You have emailed the programmer, but he isn't responding, so it seems you will have to fix the mess. From what you can tell, there are about a dozen errors in the code (ok – there are EXACTLY 11 errors, but normally, when you have a debugging task, you won't know how many errors you are looking for). You need to find them all (for 2 points each). You will submit a .java file for this portion of the assignment.

2. (For 3 points) Test your debugged version of the code thoroughly to ensure that it works as expected for any input values. Try to test all possible "special conditions", e.g. negative numbers, very small numbers, etc.). After this test output, include a "Reflections" paragraph describing and issues you had with the debugging process and how you might approach debugging tasks in the future. You will submit a .doc or .txt file for this portion of the assignment.

Details:

Add comments within the body of the Java program detailing what the bug was and what you did to fix it.

Turn In:

Submit your "fixed" code for this assignment as a .java file titled "Calculator".

Submit your test output and reflections as a .doc or .txt file titled LastName_HW2. (Please replace "LastName" with your OWN last name.)