Dear students,

I know that many students would like to get more help with coding and testing. As I explained in class today, we cannot spend more in-class time on these issues, since there are many important and challenging graph topics to cover. We have already spent more time on coding related topics (e.g. ide, testing, code review, bst exercise, UVA ...) in cs160 this semester than all other semesters.

While in-class time for coding is not possible, TAs will help you outside of class.

- Each group is required to schedule a weekly meeting that can work for all students and the TA in the group. Please don't choose late meeting time, for the safety reason.
- Each meeting should last about 1 hour, and be used for coding/testing related discussions and work.
- I have crated class groups in Piazza to make it easy for you to reach your group.

Each group is required to post your testing code for the 8-Puzzle assignment by this Friday night, so that students can use the test code to test their own 8-Puzzle programs and improve their solution.
- While it is not necessary to evenly distribute the work among group members, everybody should learn from the process, contribute to ideas and discussions, and help out with development. You can write down the author(s) of the test code and UVA solution code in your programs.

- Each group is required to solve the following three UVA problems as group exercises.

Students may discuss these exercise problems with other students.

Students may work on the coding individually, in pairs or other combinations, within each group.

Each student is required to submit his/her code, along with screenshot(s) of the UVA verdicts (accepted, wrong answer...), by April 21.

If you need more problems for practice, I recommend the UVA problem collection for the book programming challenges: https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&category=28
  Chaps, 1, 2, 3, 4, 9 and 10 are getting started, data structures, strings, sorting, graph traversal and graph algorithms.

Please note that the last assignment in cs160 this semester is a UVA problem. You should use these group exercise problems and group meeting opportunities to get more familiar and comfortable with coding with java system library (not algs4) and extensive testing.

I hope that you will enjoy these group meetings with your TA and group mates. If you have any concerns or suggestions, please let me know.

Best,

Li Han