Suggested format of presenting your algorithm

1. Algorithm Description *(allowed to directly use the algorithm taught in class or other standard algorithm text, but make sure you write down those citations. Where does it come from?)*

   e.g.

   ```
   inTimidateTAAlg(parms)
   // an informal and short description/comment to tell what will be done in the next few lines
   1. Scratch attack to lower TA's recognition for the correctness of the algorithm --- O(n)
      // comment ...
   2. Write down a bunch of redundant information to corrupt TA --- O(n)
      // comment ...
   3. Describe the detail of the algorithm ambiguous to challenge TA's grading threshold. --- O(n)
   * Required time = O(n) + O(n) + O(n) = O(n)
   * A paragraph of description for the idea how your algorithm works. No need to describe in detail what each line is doing. Give me the idea how your algorithm works! (All of the above are just kidding. Please don't do those to me. Thank you. :) I appreciate your kindness!)
   ```

2. Time complexity analysis

   If the problem requires you to present an algorithm within some time bound, please give an informal time complexity analysis. (e.g. like the above one) Otherwise, you can skip it.

3. Informal proof of the correctness of your algorithm

   TA failed to recognize the algorithm and gave me grades because of his intimidation. The algorithm works correctly. (why your algorithm works!)
4. Conclusions

Finally, the tentative weight for each part will be 60% for algorithm description, 20% for time complexity analysis, and 20% for the informal proof of the algorithm correctness. If you don't follow this format, at least have these three parts in any format you like and make sure your writing is clear enough for a poor man (me) to read. Thank you very much.