Advanced Programming
Homework Assignment 9

Due Wednesday, April 2, at 3PM

The goal of this assignment is to improve another group's mini-project.

1. Before doing anything else, make a copy of the original, unmodified code. Put this in a subdirectory called "original". (This will make grading your work easier!)

2. Now begin by reading through the code that's there and writing a brief (1-2 pages) critique of the code as it stands, focusing on readability, clarity, elegance, and modularity. Discuss both good and bad aspects of what you see. (In particular, if you think the code is really clear and easy to follow, try to identify and explain *why*.)

   Put your critique in a file called `CRITIQUE.txt` (or `CRITIQUE.doc`, if you must :-).

3. Finally, make the code as much more beautiful as you can manage, *without changing its overall functionality*. It's fine to make small changes in behavior, fix bugs, etc., but the program when you're finished with it should do basically the same thing as the original. (Also, try to keep to the existing style as much as possible – i.e., try to resist the temptation to just throw things away and rewrite from scratch.)

4. Add a file `CHANGES.txt` summarizing the main changes you've made.

5. Add your names at the top of the `README` file.

Submission instructions

- Name the directory `YourNames9`.

- Email the whole directory to both `jschorr@seas.upenn.edu` and `bcpierce@cis.upenn.edu`.

  (Please remember to `zip` or `tar` the whole directory, not just all the individual files! This makes unpacking easier.)