# CS 745, Spring 2015
# Project Final Report

### Due: Wednesday, April 29th, noon

You have flexibility in how your write up your final project report, but my suggestion is that you write it up in the format of a research paper. Your report might contain the following sections:

1. **Introduction:** What is the motivation for your work?

   (a) **The Problem/Opportunity:** What problem are you solving (or what opportunity that you are attempting to exploit)?

   (b) **Your Approach:** What is your approach to either solving this problem or exploiting this opportunity? (Don't go into a huge amount of detail yet—that will come in the next section; just give a thumbnail sketch at this point.)

   (c) **Related Work:** What have others done in the past that is related to your approach?

   (d) **Contributions:** What are the key technical contributions of your project?

2. **Details Regarding Your Design/Approach:** Here is where you go into detail regarding how you solved your technical problem. This can be multiple sections, and you need a more descriptive name for the section(s) than this. If your design evolved over time, please explain that evolution (not just the final design), and the reasons why it changed.

3. **Experimental Setup:** Describe the infrastructure for your experiments in enough detail so that others could reproduce your results.

4. **Experimental Evaluation:** Show the results of your experiments, and provide detailed analysis of these results. This section might start out with the overall effectiveness of your technique, followed by various subsections that examine specific aspects of your design in more detail (e.g., sensitivity analysis to various design parameters).

5. **Surprises and Lessons Learned:** Were any of your results surprising our counter-intuitive? If so, what did you learn from those surprises? What did you learn from this experience in general?

6. **Conclusions and Future Work:** Present the technical conclusions of your work (i.e. things that you now know that you did not know at the beginning of this study), and suggest how someone might build upon your work in the future (if that makes sense).

7. **Handing in your source code:** Please create a tar file with the last name of at least one of your group members in the filename, and copy this tar file into the directory:

   `/afs/cs.cmu.edu/academic/class/15745-s15/public/projects/handin`

Somewhere on in your writeup, you should also include the following:

**Distribution of Total Credit:** Given that you worked in a group, how should the total credit for the project be distributed amongst the participants? (e.g., 50%-50%, 60%-40%, etc.)

Please hand in a hardcopy version of your report on the due date at Prof. Mowry's office in GHC 9113 (slip it under his door if he is not there), and also put an electronic version of the report on your project web page.