

Final Report

Draft of Paper due: Tuesday, May 8, 2012 (bring 4 copies)

Report due date: Saturday, May 12, 2012 @ 3pm

Total Points: 70 (Final Report) + 30 (Draft)

The purpose of this assignment is to write a paper that will serve as the final documentation for your project. You've already written significant documentation for your project, but now you need to pull it all together.

The first part of your paper will be the introduction. This section should be 3 paragraphs long; the first paragraph should introduce your paper—it should describe the general area of your project to help put everything into context. Whatever you decide to put in this first paragraph should give motivation for your paper and your project. The next paragraph should describe your specific topic area. This paragraph should transition to your last paragraph, which will provide a short description of your project.

The next section should be the background section. This section should provide details about your specific topic area. Use many references and be sure to discuss similar work.

The following section (which will be rather large) will describe your project. The first subsection should give an overview of your project. Be sure to discuss the goals of your project along with all the features you implemented. The next subsection should describe the significance and benefits of your project. In the next subsection, you will describe your implementation. In this section, you'll describe the development environment, and provide the diagram for your project along with the list of all your modules.

The next section will talk about your modules. In this section, you'll have a subsection for each module. Each subsection will describe the functionality of the module, the algorithms and data structures used and the unit tests for the module. If you did a good job on your module designs, this section should be easy. If your designs didn't have a lot of details, you'll need to provide more here. If you have research modules, you must thoroughly document your research plan, methods and results.

Next, you'll provide a section on testing. This section will have two subsections: system and usability testing. For each section, you need to describe exactly what you tested (system test matrix, usability tests, etc.), the results from the tests and a list of changes that you made based on the tests. Once again, if you did a good job of writing up your testing reports, this section should be easy.

Next, you'll provide an analysis section. In this section, you will describe the "point" of your project. You should place any results in this section. This is the place where you get to talk up your project and why it's cool! Keep the discussion formal and technical, though.

Finally, you'll provide a summary section where you summarize what you did in your project including the "points" made in your analysis. In the last paragraph, discuss possible future work and/or extensions to your project.

Next, you'll provide a short acknowledgements section and the last section, of course, is your references.

Do not include any code with your report; you'll submit that as a CD.