Final Project Write-up

CS 550
Advanced Operating Systems
http://www.cs.iit.edu/~iraicu/teaching/CS550-S11/index.html

Assigned: 04-14-2011

Due: 11:59PM 04-28-2011

Overview

A major component of your grade will be based on your quarter-long project, which you have chosen. Your final report will be an extension to your initial proposal that you wrote earlier in the quarter. You should use font 10 (Times New Roman, Arial, or Calibri), single or dual column format, single spaced (with 6 pt space between paragraphs), and have normal margins of 1" on all corners. Your final report should include the following information:

- Title
- People involved (in case it is a group project)
- Abstract (150 ~ 300 words)
- Section 1: Introduction and motivation (~1 pages)
- Section 2: Background information necessary to make the report self contained (0.25~1 pages)
- Section 3: Proposed solution (1~2 pages)
    - clearly state the nature of the project (e.g. implementation of a real system, simulation, theoretical, empirical performance evaluation, survey, etc)
    - be specific about what techniques you plan to use, what existing software and systems you will use, etc
- Section 4: Evaluation (1~3 pages)
    - Be specific with the evaluation methodology, metrics measured, and variables you explored
    - Since all of your projects were systems level projects, where you built some system, or at least you analyzed some existing system, I expect you to have a significant performance evaluation section, with empirical results!
    - I don't want to see lots of graphs/tables, without clear explanation on what the experiment was, why did you do it, what were the variables that you fixed and what were the variables that you varied, metrics used (make sure you defined them somewhere), and what did you learn from the experiments
- Section 5: Related work (0.5~1 page)
    - What others have done that is similar to what you are proposing
    - Be specific in what is different in your work from that which has been proposed previously
- Section 6: Conclusion (0.5~1 page)
    - What have you learned?
    - How have you evaluated that your project was a success?
    - What future work would you do, if you were to pursue this further?
    - For those of you doing a group project, make sure to clearly state each person's contribution
- Section 7: References (at least 5 references, but I expect more like 10~20 references)
    - Use as many formal references as possible, and only use online material (e.g. a web site, wikipedia entry, etc) when absolutely necessary

Using the guidelines above, you are likely going to have a final report that will range between 5 pages to 10 pages long. I doubt you can fit all of the required information in anything less than 4 pages, and I don't want to see a report that is longer than 15 pages. If you want to meet with me anytime between now and when this report is due, feel free to setup an appointment via email.