

CSCE 496/896-003: Real-Time Systems HW #5

Assigned: 2016-03-30

Due: 2016-04-15 in class or by email by end of day
(i.e. by the time I wake up the next morning, as explained in class)

NOTE: I will NOT accept late homework on the last 2 homework assignments. These last two homework assignments are designed to help you meet your project goals and deadlines. So a late assignment isn't particularly helpful for you or for me.

Homework Overview

The goal of this homework assignment is to provide the last checkpoint for you on your way to completing your project. In this homework you will use your outline to complete a first complete draft of your final project paper. I will then provide feedback to you on this draft so you can revise for the final paper.

Administrative notes:

- You may work in your teams on this homework since it's related to the project.

Expected Outcomes (what I want you to learn)

- How to write a draft of a technical paper which I will then edit and return to you for revision. This is typically how writing and submitting publications works. You submit what you hope is a good draft to a conference or journal. They then have reviewers offer comments and (most likely) return it to you asking for revisions (possibly major, possibly minor).
- Tips for dealing with this homework:
 - Don't get too attached to what you write. It **almost certainly will** change.
 - Think through what you say in each section from beginning to end **before** you begin writing that section. Start with writing how you think about the problem. Then work toward refining the language and arguments to be more clear and concise.
 - Don't get lost in the research literature. Almost every topic is a black hole of endless research down which you can fall and never return. :-) You need to learn enough to make convincing arguments, but not enough to be an expert.
 - Don't try to do this homework in one sitting. Write an outline and a very rough first draft the first week. Then over spring break revise the draft of each section (except the results).

Deliverables (what you turn in) and Grading

When you submit a manuscript for publication you will get comments from reviewers and a request from the editor to revise the paper according to the comments. Typically, to respond to these comments, you will generate an itemized list of feedback from all the reviewers and respond to each item including a brief explanation of how you modified the text to address each item. You then also highlight the new text in the manuscript by making it a different color. In most cases these two things are a "best practice" for getting your papers published. But often they are actually required by the editor as they speed up the review and editing process.

In this homework I want you to follow both of these best practices in revising the paper (explained below).

Complete Draft of Your Final Paper - 100 points

- I assume at this point the formatting is correct and follows requirements from your identified community. If, when I return HW #4, there are any formatting issues I will point them out and expect them to be corrected in the final draft of the project writeup due on the day of the final.
- 50 points - Revise all portions of the paper you wrote in the last homework assignment based on my feedback.
 - Generate an itemized list of my feedback (addressing each concern), and explain how you addressed each item in this revised version.
 - Highlight (in a different color) **all** the edits you made in this revision.
 - * Be reasonable when you do this. If you decide to rewrite the entire paper, don't color the whole thing, just let me know that you rewrote the whole paper. However, in most cases you shouldn't scrap **everything** you should revise and improve iteratively.
 - If you have any questions about the feedback please let me know.
- 50 points - Draft of **results**
 - Check the project document for what rubric I will use to grade the results portion. I will take into account, however, that this is just a draft, not a final submission.
 - I don't care if you only have one section called "Results" and put all this in here. You could break these items up into any way that makes the most sense. For example, you *could* have a section called "Experimental Setup" followed by a "Results" section. Just do what makes the most sense to make the paper flow well.
 - Here is the minimum set of elements that must be included:
 - * problem setup
 - * details of the hardware, software, tools, experimental methods, etc.
 - * results
 - * discussion of results