EECS 208
The Principles of Virtual Reality

Project Specifications

You are expected to prepare a detailed and well thought out design document. This document will guide you through the implementation phase of your project. It will also serve as an early draft for the final paper due at the end of the course. The due date for the project specifications is posted on the course web page

Project proposals must include the following (lengths are approximate):

**Project abstract:** (100 words)
- think of it as an abstract to a conference paper
- concisely present the key components of the problem you are going to work on
- I will be the paper reviewer -> sell your work to me in a consistent form

**Project definition:** (1 page)
- this is the problem I am going to look at
- this is why it is a problem
- this is why it is worth solving
- this is how I am going to solve it (be as detailed as possible)

**Related work:** (1/2 page)
- briefly describe the work that has already been done in this field by others
- include proper references to relevant papers (five references **minimum**)
- describe how you are going to extend this work or which new approach you are going to take (i.e. what is different about what you're doing versus what those 4+ references did)

**Project Specifications:** (2 pages)
- explain which data structures you will use and why.
- explain the performance characteristics of required components.
- explain which tools you need and how they will work (in detail)
- outline the required user interface components (in detail)
- support your suggestions with sketches/drawings/images/flowcharts (at least two)

**Milestones:** (1 page)
- break the quarter into the available weeks and indicate how you will progress towards completing your objective, i.e. show what you will get done each week.
- break the components required to achieving this goal into sub-components that can be worked on independently. Avoid a purely sequential workflow.
- Prepare a (Gantt chart) showing how you budget your time (show which components can be worked on in parallel)
- list/show potential roadblocks and approaches for dealing with them.
Results: (1/2 page)
- how will you test your system / how will you show that it works?
- what will the final system look like?

References:
- include references to at least five relevant papers discussing work related to your proposal.

Miscellaneous:
- spell check your documents
- typeset in 10pt font
- use 1 inch margins
- do not go over 10 pages or under 5 pages
- documents that do not follow the listed requirements will be returned.
- this could be a good opportunity to learn LaTeX (see http://www.winedt.com or http://www.texniccenter.org for a good tools)