TITLE
Senior Project Requirements

Fall 2012 & Spring 2013

Peter C. Chapin <PChapin@vtc.vsc.edu>

Introduction

Give a brief overview of your project. Explain what your project will do and what problem it solves. This section should be very short, maybe just one paragraph. You've already covered this ground with your proposal so you can probably just take some text from that earlier document.

Functional Requirements

Describe what your project is going to do in concrete, measurable terms. Categorize your requirements to distinguish the essential ones from the less essential ones. Use cases are often a good way to capture functional requirements, but other methods can be effective as well. Consider the actors who will be interacting with your project, and be sure to comment on your system's user interface. This is also a good place to identify milestones.

Non-Functional Requirements

Describe requirements that are not related to the actual operation of your project. Use the headers below to guide you but don't feel slavishly bound to them.

Platform

What types of computer systems does your project need to support?

Performance

What is the minimum amount of resources that your project will require? Give specific numbers if possible.

Security

What kinds of attacks must your product be able to resist? What kinds of attacks will your product not necessarily protect against?

User Characteristics

Are the users technically knowledgeable? What skills do you assume the users have?
Scale

How large a system must your project support? (number of users, number of files, number of simultaneous network connections, as appropriate)

Documentation

1. Design Documentation. This document will be a detailed design that describe how the various components of the system work. It will include block diagrams, schematics, or code snippets, as appropriate. The audience of this document is other developers who might want to understand and extend the system.

2. User Documentation. This document describes how to install, configure, and use the system. The audience of this document is people who want to use your system.

3. Web Site. A web site will be produced that describes the system. The audience of this site is potential users considering the system and current users looking for technical support. This site will be hosted on lemuria.cis.vtc.edu.

Data Formats

What kind of input/output formats must your project be able to handle? This is particularly relevant if there are appropriate standard formats to consider.

Internationalization

Does your project need to support multiple languages or cultures?

Environment

In what sort of physical environment will your project operate? Is it required to work in adverse conditions such as high or low temperatures, under water, or high vibration?

Expected Enhancements

What sort of enhancements are likely? The answer to this question may impact how your system is organized.

Date

The final presentation will be on May 1, 2013. The final demonstration and the documentation will be due approximately two weeks later (exact date to be determined).