

## Introduction

The theme of this class has been how development on large-scale mission-critical projects differs from the experiences we have on small-scale projects. Although the goal of high-quality software is the same in both cases, the environment, the techniques and the responsibilities are different on a large project with many people working on it.

Write answers for each of the three questions below. Use specific examples from your project and specific references from the readings to support your conclusions.

The completed exam should be about 1500 to 2500 words long (3-5 pages). This exam is due **before midnight, Monday, June 7**. Turn in your work through the web link.

## Grading Guidelines

- Is there a clearly stated and relevant response to the question?
- Is there a good analysis that supports the response? Relevant specific details about the project should help build a convincing analysis.
- Are there appropriate citations from the readings to help structure and validate the analysis? Supporting citations should be incorporated with appropriate discussion.

## Questions

1. *How would you characterize your group's success in reducing the risks throughout the life cycle of this development project?* The ideas of risk and risk reduction are an important part of project development processes. Identify specific risks that were resolved before release of the final product (and thus are not problems in the released product). Also identify specific risks that were not resolved (ie, risks that got through the reduction process and came out the other end as specific problems in the released product). What would you do differently next time to resolve these risks more effectively? Include citations from the readings relating to your risk reduction strategies.

2. *How would you characterize the quality of the design of your product?* One difference between small and large projects is the need for a coherent design that is well understood by all the developers. Referring to the topics in Lecture 7 Design, identify specific characteristics of your design that support your characterization of the design quality.

3. *Were there specific problems that the group had as a result of broken communications, inconsistent code updates, or other phasing problems?* Describe what your group did to support communication and coordinated development among the members of the group. If there were problems, what would you do differently next time to avoid these problems more effectively? If there were no problems, imagine and describe conditions under which a different project using the same techniques would have difficulties. Include citations from the readings relating to your communication and coordination strategies.