Introduction

This final exam requests a written analysis of various aspects of the project that you just completed, with reference to the material in the lectures and the literature to support your analysis.

This exam is due **before midnight, Monday, March 17.** Turn in your work through the web link.

Write 1-2 page answers for each of the three questions below. Each answer can be for the servlet, the midlet, or both, as you like. In any case, use specific examples from your project and specific references from the literature to support your conclusions.

The page format should be 12-point type, single spaced, with reasonable margins.

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 references to material from the literature to help structure and validate the analysis? Supporting or contradicting citations should be incorporated with appropriate discussion.

Questions

1. a. Where would you place your product on the grid in figure 1.1 of The Mythical Man-Month? Using specific references to Brooks' writings and/or other related writings, discuss the specific aspects of your project that lead you to place it where you do.

    b. What would you do differently if you were going to do this project again and wanted to be able to place it closer to the bottom right corner? Again, be specific and show how the changes would reposition the product in your analysis.

    c. Would the resulting product be "better" than the existing product? In what ways would it be better or worse as a result of the changes in (b)?

2. a. How would you characterize the quality of the design of your product? Referring to the topics and metrics in Lecture 9 Design and its references, identify specific characteristics of your design that support that characterization.

    b. How would you change the design if you were going to do this project again and wanted to improve your rating of the design? What specific changes would you make and why would these changes be an improvement?

3. a. How would you characterize your success in reducing the risks throughout the life cycle of this development project? 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).

    b. Did the Spiral Life-Cycle successfully guide your development cycle or would another model have been a better choice and done a better job of helping you reduce the risks? Describe the successes and failures of the spiral model as applied to your project. Describe another life-cycle model such as the waterfall model or the evolutionary development model and describe why you think this other model would have been better or worse than the spiral model for your project.