

CS425 / CS625 Software Engineering

October 20, 2006

Project Part II: Specification

Due: Friday, November 3 @ 5:00 pm, email submission (required) + hardcopy (optional)

Points: 100

Weight: 10% of the course grade

A Deliverables of Part II of the Project

Note: In the following <T3> denotes a team of three students and <T4> denotes a team of four.

For Part II of the project you should provide a *Software Requirements Specification (SRS)* document with the following sections and subsections:

- 0 Table of contents
- 1 Introduction: a general description of 400 to 800 words. You can reuse *some* text from the Project Concept (P-I) but try as much as possible to refine and enhance it.
- 2 Requirements specification: functional and non-functional requirements, prioritized on 3 levels, as complete as possible.
- 3 Use case modeling:
 - a. Use case diagram: between 7 and 15 use cases.
 - b. Detailed use cases: concise text descriptions (two to four lines each) for all the above use cases as well as detailed templates for 3 use cases <T3> or for 4 use cases <T4>.
 - c. Scenarios: a total of 3 detailed scenarios <T3> or 4 detailed scenarios <T4>
Note: for both use cases and scenarios use templates as in [Arlow & Neustadt 2002].
- 4 Requirement traceability matrix: use cases/functional requirements.
- 5 Initial snapshots of the system's user interface: at least three snapshots <T3> and at least four snapshots <T4>, with brief descriptions (but no more than 6 snapshots as detailed GUI design will be part of P-III).
- 6 Glossary of terms (at least 15 terms <T3> or 20 terms <T4> related to the problem's domain).
- 7 List of references: at least four <T3> or six <T4> reference articles, with brief descriptions (30 to 60 words each). Note that in P-III larger descriptions as well as details on how the reference articles helped your project will be required.
- 8 Completed checklists used in your internal review for this phase of the project (the checklists will be made available shortly by the instructor – check course website).
- 9 Contributions of team members.

B Grading of Project Part II: Specification

1. Overall presentation of the SRS	15 points
2. Requirements (section 2)	25 points
3. Use case modeling (section 3)	25 points
4. All other sections	35 points
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Total	100 points

Note that both the technical content and the presentation style (including quality of writing and document formatting) of your SRS will be taken into consideration when grading the project.