

Department of Computer Science and Engineering
College of Engineering, University of Nevada, Reno

CS426 Senior Projects

February 28, 2006

Project Part II: Specification

Due (in two phases):

(A) Introduction (NURS paper): Sunday, March 5 @ 5:00 pm, email submission (Word)

(B) The entire document (including Introduction): Friday, March 10 @ 5:00 pm, email

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: abstract and 4-page paper (Times 12 font, single spaced) describing your project using the NURS guidelines for publication available at <http://www.unr.edu/undergraduateresearch/symposium.html>
- 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. Note that some advanced use case modeling elements are required in the diagram (inheritance, inclusion, and/or extension).
 - b. Detailed use cases: concise text descriptions (two to four lines each) for all the above use cases as well as detailed templates for 2 use cases <T3> or for 3 use cases <T4>.
 - c. Scenarios: a total of 2 detailed scenarios <T3> or 3 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 one problem-domain book and at least four <T3> or five <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	10 points
2. Introduction (section 1)	30 points
3. Requirements (section 2)	25 points
4. Use case modeling (section 3)	20 points
5. All other sections	15 points
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Total	100 points