

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

CS 425 Software Engineering

October 15, 2013

Project Part II: Specification

Due date: Monday, October 28 @ 5:00 pm, by email (single PDF file, named P2_T##.pdf)
Points: 100
Weight: 8% 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 300 to 500 words. You can reuse *some* text from the Project Concept (P-I) but try as much as possible to refine and enhance it. Describe the more significant changes to the project, if any (compared to the previous phase).
- 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 10 and 20 use cases.
 - b. *Detailed use cases:* concise text descriptions (2-4 lines each) for all the above use cases
 - c. *Detailed templates* for 3 use cases <T3> or for 4 use cases <T4>. Note: for use case use templates as in [Arlow & Neustadt 2005] – see class lecture that will be held in October on project Part II preparation.
- 4 **Requirement traceability matrix:** use cases – functional requirements.
- 5 **Initial snapshots** of the system's user interface: at least 6 snapshots <T3> and at least 8 snapshots <T4>, with brief descriptions (but no more than 10 snapshots as detailed GUI design will be part of P-III).
- 6 **Glossary** of terms (at least 18 terms <T3> or 24 terms <T4> related to the problem domain).
- 7 **List of references:** at least four <T3> or six <T4> reference articles, with brief descriptions (40 to 70 words each). Note that in P-III larger descriptions as well as details on how the reference articles help your project will be required.
- 8 **Contributions** of team members.

B Grading of Project Part II: Specification

1. Overall presentation of the SRS	15 points
2. Requirements (section 2)	30 points
3. Use case modeling (section 3)	25 points
4. All other sections	30 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.