

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

CS691z / CS791z Topics on Software Engineering

February 27, 2007

Project Part II: Specification

Due: Monday, March 26, 2007 @ 9:00 pm (single file attachment, by email; hardcopy optional)

Points: 50

Weight: 8%

For Part II of the project you should write a *Software Requirements Specification (SRS)* document with the following structure:

- 0 Table of contents.
- 1 Abstract: 100-200 words – you can reuse the abstract you wrote for Project Part I
- 2 Introduction: 400 to 500 words – refine and reduce somewhat the text you wrote for Project Part I
- 3 Requirements specification: functional and non-functional requirements, prioritized on 3 levels, as complete as possible
- 4 Use case modeling
 - Use case diagram: between 7 and (recommended) 15 use cases
 - Detailed use cases: concise text descriptions (two to four lines each) for all the above use cases as well as a detailed template for a use case
 - Scenarios: the primary scenario and a secondary scenario of the use case detailed above.

Note: for both use cases and scenarios use templates as in [Arlow & Neustadt 2002].

- 4 Requirement traceability matrix: use cases vs. functional requirements.
- 5 Initial snapshots of the system's user interface: at least 3 snapshots with brief descriptions, but no more than 5 snapshots as detailed GUI design will be part of P-III, due on March 30.
- 6 Glossary of terms: at least 12 terms related to the project problem's domain.
- 7 List of references: at least 7 references, although more is better.