

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

CS 709B Advanced Software Project Management and Development

February 24, 2009

Project Part II: Specification

Due: Monday, March 23, 2009 @ 5:00 pm (single PDF file, named P2_XY, where XY are your initials)
Points: 50
Weight: 10%

For Part II of the project you should write a *Software Requirements Specification (SRS)* document with the structure shown below. Note that <X/Y> refers to <**single-person project/two-person project**>

- 0 Table of contents.
- 1 Abstract: 100-200 words – you can reuse the (revised and refined) abstract you wrote for Project Part I.
- 2 Discussion summary (see template on page 102 in Chapter 6 of the textbook “Applied Software Project Management” by Stellman and Greene, O’Reilly, 2005). This summary should be anywhere between 2 and 4 pages (reasonably filled with text).
- 3 Introduction: <300 to 450 words / 500 to 650 words> – refine and reduce somewhat the text you wrote for Project Part I. Cover, in refined form: (a) purpose (b) scope, and (c) system overview.
- 4 Requirements specification: functional and non-functional requirements, prioritized on 3 levels, as complete as possible. To specify requirements, you can use one of the following styles:
 - (a) The style presented in Tables 6-9 to 6-11, Chapter 6 of the textbook used in this course, “Applied Software Project Management” by Stellman and Greene, O’Reilly, 2005.
 - (b) The style used in Chapter 3 of “UML and the Unified Process: Practical Object-Oriented Analysis and Design”, 2nd edition, by Arlow and Neustadt, Addison-Wesley, 2005.
- 5 Use case modeling
 - Use case diagram: between 7 and 15 use cases. See Chapter 4 of “UML and the Unified Process: Practical Object-Oriented Analysis and Design,” 2nd edition, by Arlow and Neustadt, Addison-Wesley, 2005.
 - Detailed use cases: concise text descriptions (two to four lines each) for all the above use cases as well as a detailed templates for <2/4> use cases. Use templates as in Chapter 6 of the book by Stellman and Greene.
- 6 Requirement traceability matrix: use cases vs. functional requirements. See Chapter 4 of “UML and the Unified Process: Practical Object-Oriented Analysis and Design,” 2nd edition, by Arlow and Neustadt, Addison-Wesley, 2005.
- 7 Initial snapshots of the system’s user interface: at least <3/6> snapshots with brief descriptions, but no more than 7 snapshots as detailed GUI design will be part of P-III, due on April 6, 2009.
- 8 Glossary of terms: at least <12/20> terms related to the project problem’s domain.
- 9 List of references: at least <7/12> references, although more is better.