Project Part I: Specification

Due: Sunday, March 20 @ 12:00 pm (noon), email submission (required) + hardcopy (optional)
Points: 100 Weight: 9% of the course grade in CS790z and 12% in CS490z

A Deliverables of Part I of the Project

For Part I 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 700 words. Indicate:
   • main goals (what’s the project about)
   • main functionality and characteristics
   • intended users and key usability goals (that is, how users will benefit from your project)
   • notes on existing similar products: their utility and limitations and/or advantages and disadvantages
   • novelty of your solution and/or enhancements suggested
   • potential for further development (beyond the frame of this course)
   • challenges that you think you may encounter during the project’s development
   • intended technology (platform, languages, libraries, tools, etc.)
   • a note on how this project can help your own professional growth
2 Requirements specification: functional and non-functional requirements, prioritized on 3 levels, as complete as possible.
3 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 one use case.
   • scenarios: a total of 3 detailed scenarios (consider the primary scenario and two secondary scenarios 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 two snapshots with brief descriptions (but no more than 5 snapshots as detailed GUI design will be part of P-II, due on March 25).
6 Glossary of terms (at least 12 terms related to the project problem’s domain).
7 List of references: at least 6 references, although more is better.
8 Contributions of team members.

B Grading of Project Part I: Specification

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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.