Project Software Requirements Specification (SRS)

Com S/SE 409 & Com S 509, Fall, 2017

Due by midnight, Thurs, Nov. 16

Reading: Chapter 16 & Appendix A. Chap. 16 describes App. A; App. A is the template for a SRS.

This is a team assignment. The document will have the names of all the team members who participated on it.

- **SRS**: 15% of course grade (team)
- **In-Class Presentation**, including attendance at others' presentations: 5% of course grade (team & individual). Presentation, as assigned, on 11/28, 11/30, 12/5, or 12/7. The goal is to share, in a way understandable to others, your project results. Attendance at all the other teams' presentations is ***REQUIRED.***

By submitting the SRS & prototype, you agree that I can show them to others in the future (such as, to show visitors or potential future clients what the class produced, to have some of next year's teams extend this year's teams' work, etc.).

Contents of SRS: your SRS should have the following sections:

I. Project Drivers: (5 pts.)

1. Purpose of the Project (a) Background and (b) Goals (one sentence).

2. Stakeholders: one-two sentences covering 2a & 2d from Appendix A.

II. Project Constraints (5 pts.)

3. Mandated Constraints (briefly, as applicable, from pp. 407-415).

4. Naming Conventions & Terminology: define any abbreviations or special terms that developers may not understand. Don't need to duplicate data in #7 below.

5. Relevant Facts & Assumptions, as applicable. Make sure that your Assumptions (5c in App. A) are accurate and up-to-date.

III. Functional Requirements (50 pts.)

6. Scope of work:
(a) Describe current situation very briefly.
(b) Include your corrected & updated Context Diagram (original was in HW#1). Don't need accompanying text, but make sure that it is consistent with #4 above.

(c) Include your corrected & updated business event list (original was in HW#2). Same.

7. Business Data Model and Data Dictionary:
Include your updated and corrected class diagram model from HW#3.

8. Scope of product:
(a) Include your corrected & updated Product Use Case Diagram (original was in HW#2).
(b) skip
(c) Include your updated and corrected scenarios (originals were in HW#2)

9. Functional requirements:
(a) Include an updated & corrected version of the FRs from HW#3 with Fit Criteria where needed (i.e., to make each FR testable).
(c) Annotate each FR with its product use case, rationale (as appropriate, i.e., if not clear), and priority (see pp. 363-364, 382-383). Be sure to provide a key to the prioritization ranking.

IV. Nonfunctional Requirements (30 pts.)
10-17. Nonfunctional requirements:
(a) Include an updated & corrected version of the NFRs from HW#3 with Fit Criteria where needed (i.e., to make each FR testable). Optional whether you divide according to the textbook's types, or use another reasonable grouping.
(b) Annotate each NFR with its rationale (as appropriate, i.e., if not clear) and priority.

V. Project Issues (10 pts.)
18. Open issues. Use this section to explain any issues/concerns that have not yet been resolved and which you think the person/people who will be implementing these requirements in the future should know about or understand. Your goal is for the students who code & test from these requirements to be able to successfully & efficiently produce a product that satisfies the requirements that you've specified.

19-22. skip.

23. Risks: optional (i.e., assume competence on the part of the developers).

24. Costs. Include your Function Point count (assuming we get to this topic), together with a brief explanation of what they're for (e.g., what do they have to do with Costs?), your estimated schedule according to the textbook's rule of thumb, and any doubts you have about the accuracy of that (in case this is used to hire a developer, you want to make sure you've given an accurate accounting).

25-27. skip.