

# Team Project Assignment I

## Write a Software Requirements Specification

CS 3398, Fall 2013

Instructor: Jill Seaman

**Due: Monday, 11/11/2013 at 10:00am** (email the SRS document in PDF format)

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**Assignment:** You will be assigned to a team of 5 people. Your team will write a Software Requirements Specification, given a preliminary version of a set of user level functional requirements (see the "Postage Printing Website Requirements").

NOTE: I will form the teams based on your responses to a questionnaire you will receive by email. You must respond by **5pm Fri, 10/4/13**. Teams will be formed by Mon, 10/7/13.

**Guidelines:** Use the IEEE 830-1998 Recommended Practice for Software Requirements Specifications as your guide. This document can be found on the TRACS website for this class under "Resources". I recommend reading the entire document before starting your project (especially the sections outlined in orange).

**Format:** Your SRS document should contain the following:

- Title page (including team member names)
- Table of contents and page numbers
- The three sections described in the IEEE standard. Additionally:
  - Section 2.1 should contain a simple context diagram for your system.
  - Section 3.4 should have a class diagram describing the logical structure of the data and the types/specifications of the attributes.
- The copy that you submit to me must be in PDF format.

**Criteria:**

- See the Project Evaluation Guidelines on the website!
- Generally, requirements must be correct, unambiguous, verifiable, complete, consistent, and provide enough detail for design and implementation.
- SRS must follow IEEE standard and formatting rules above.
- The contribution of each team member will be evaluated by the other people on the team at the end of the project.

**Reminders:**

- Requirements answer the questions "What would the system do?"
- Requirements are not algorithms.
- No gold plating! Don't add features not approved by the customer.
- If you need clarification about the requirements, ask the customer: me!

### **Suggestions:**

- Splitting up the work:
  - ▶ For the presentation, I will REQUIRE that **everyone on your team be responsible for at least one of the original requirements** (user and system level).
  - ▶ I recommend dividing up the functions/features in the original requirements document among your team members. But that won't cover the entire document, so divide these other sections up as you see fit.
  - ▶ Section 3.2 is the largest, most important section. Don't assign it all to one person.
- I recommend that you use Google Drive (drive.google.com and support.google.com/drive) to coordinate your team's collaboration.
- It could be useful to select a team leader.
- Another good source of guidelines for writing requirements is here:  
<http://www.processimpact.com/articles/qualreqs.html>