

# CS 494 Software Engineering II

## Draft 1 of Senior Capstone Report

**Date Assigned:** Tuesday, January 27, 2015

**Date Due:** Tuesday, February 10, 2015

You are developing a software application for your senior capstone. Another important part of the capstone experience is to produce a final report. You will use the final report that you produced last semester as a starting point, revise it, and expand on it this semester.

Revise your report based on my comments on your final report from last semester. The revised document will be graded as follows:

- 10% for spelling, grammar, punctuation, and style
- 10% for organization (sentence/paragraph order, use of bullets/headings, etc.) and appearance
- 20% for description
- 15% for requirements
- 15% for significance/background
- 15% for system model
- 15% for status

Your report must contain the items listed below. However, you can use headings, bullets, and a different ordering.

1. Title, name, date
2. Description of the project: must include an introduction, motivation, goals, and intended audience.
3. Significance and background of the project: include description of similar projects and market potential.
4. Requirements: a complete list of all of the user stories for your project. Each story must be in the form:
  - a. As a <user type>, I want to <function> so that <benefit>.
  - b. Include acceptance criteria for each story. These define the Definition of Done.
  - c. Identify if the story has been completed.

5. System model: diagram and explain the major subsystems of your project. Use UML, data flow, or state machines.
6. Status, challenges, and future work: describe the current state of your project and challenges going forward
7. References: you must have references. References must be formatted correctly.

Guidelines and links here:

- a. <http://www.cs.ucy.ac.cy/~chryssis/specs/ACM-refguide.pdf>
- b. <http://dal.ca.libguides.com/content.php?pid=860&sid=11818>
- c. <http://www.library.unh.edu/research-support/citation-styles/acm-style>

### **What to turn in**

- A hard copy of your report at the start of class time on the day that it is due. The report must be printed back-to-back and stapled.
- Email me ([shereen@pacificu.edu](mailto:shereen@pacificu.edu)) an editable electronic copy of your report.