Assignment #1

CS 160: Software Engineering
Spring Semester 2015
Department of Computer Science
San Jose State University
Instructor: Dominic Abucejo

Assigned: Monday, February 9, 2015

Due: Monday, February 16 at 11:59 pm

This is a team assignment worth 100 points max

Functional specification

Write the first draft of your team project's functional specification. For this assignment, your functional specification should include functional requirements, nonfunctional requirements, and use cases for your web application.

Your functional specification should have the following sections:

1. Product name

2. Problem statement

3. Product objectives

4. Functional requirements

5. Nonfunctional requirements

6. Use cases

For this assignment, include at least six functional requirements and four nonfunctional requirements. Include a UML use case diagram that contains six usecases. Pick three of the use cases and write a use case description for each one. You may use this Microsoft Word template to write your use case descriptions (See use case form in Canvas Announcement)

In subsequent assignments, you'll add a conceptual design model and screen mockups. Writing quality A functional specification must be understandable by users, clients, developers, project managers, and

others. It's part of the informal contract between the product stakeholders and the developers. It should not contain implementation details. It must be written to the high standards you were taught in CS 100W. Refer to these formal rubrics from that class for writing reports (via Canvas announcement).

What to turn in

There should be one submission per team. Your functional specification can be a single file or multiple files. If there are multiple files, create a single zip file containing the files, and name the zip file after your team.

Example:

SuperCoders.zip

E-mail your file as an attachment to dominic.abucejo@sjsu.edu.

Your subject line should be: CS 160-n Assignment #1 Team name

where n is the section number (3)

Example: CS 160-3 Assignment #1 Super Coders

Be sure to CC all the team members. After I grade each submission, I will add the score for each person on Canvas as under assignment #1. All the members of a team will each get the same score for a team assignment.