

CSE 403, Winter 2010

PHASE 8 (30 points): Updated Specs (SRS2/SDS2)

due Sun March 14, 11:59pm

The "SRS2/SDS2" phase is an update of some documents produced in earlier phases. On real software projects, design documents and specs are "living" documents that must be updated to stay in sync with the product that is being created.

Submit or provide the following four (4) major items:

1. Requirements Retrospective

Submit a document briefly revisiting the following aspects of your initial software requirements spec (SRS):

- a. **Project Evaluation:** How does your team as a whole view its work to date on the project? Are you confident in the progress you have made and happy with the work that has been completed? What was most/least successful about the group and project experience overall?
- b. **Features and Cuts:** Have you completed the major functionality and features listed in your SRS? What about the extra features and frills you listed? If not, why not? Did you add any additional features that were not listed in the SRS? What features did you cut to help you complete the project in time, and why did you choose these to be cut? How much work do you estimate you saved by cutting these features?
- c. **Group Dynamics:** What ended up being your team members' current roles? What occupied the majority of each team member's time and workload? How does this differ from your original expectations and specs?
- d. **Revised Schedule:** In your original SRS, you submitted an approximate schedule for how long you thought your team would spend its time. In this phase, submit a new schedule showing how each member has actually spent his/her work time, which is likely very different than your original estimate. (Appropriate units of measure are "days" or "weeks" on a given task.) In particular, describe approximately how much time you have actually spent so far on each of those features, along with estimates for how much more time you think it will take to finish any of them that went unfinished. Try to be accurate within a few developer-days for each feature; you may want to look at your version control logs to get a more accurate picture of how long you've spent working on each feature.

2. Use Case, updated

Submit an updated version of **one of your use cases** from your SRS that reflects the actual product that has been written so far for your project. (The closer your actual implemented product is to your original SRS, the less work to do!)

3. UML Class Diagram, updated

Submit an updated version of your UML class diagram from your SDS that reflects the actual code that has been written so far for your project. (The closer your actual implemented design is to your original SDS design, the less work to do!)

4. Sequence Diagram (or State Diagram), updated

Submit an updated version of **one** of your two UML sequence diagrams (or your state diagram, if you chose to complete one) from your SDS that reflects the actual code that has been written so far for your project. (The closer your actual implemented design is to your original SDS design, the less work to do!)

Submission and Grading:

Format your documents in .doc, .odf, or .pdf format. For UML we will accept Violet or other files, but please submit an image or PDF for any UML diagrams you provide, so that they are easier for us to view.

These documents will be graded on whether they do in fact match the design and flow of your source code as turned in, on their adherence to UML syntax as taught in class, and on the soundness of the underlying design they depict.