

CSC 493 Senior Projects

R3: Weekly Report 3 with refined Software Requirements Specification and a draft resume

On the structure, format, and purpose of the weekly reports

Be sure you have read http://faculty.berea.edu/pearcej/csc493/R_OnReports.pdf because you will be expected to follow the guidelines stated there for each weekly report. In particular, each weekly report must be formatted as described there and must include the cover page, the Application Development section, and the Executive section as described there.

Summary of the task for inclusion in the Application Development Section

This week's task is to refine the Preliminary Software Requirements Specification (SRS) you created last week and submit it as a Software Requirements Specification (SRS), with the word "Preliminary" removed. This may seem like a small task for a whole week, but it is crucially important because next week you will begin designing the software architecture.

Take a look at each requirement in the Preliminary Software Requirements Specification you submitted. Think carefully about the scope of your project. Also, think carefully about what is essential and what things that you would like to accomplish that could be done only if time permits. The project should be do-able in scope in one term, but should also be of a sufficient complexity that the final result is worthy of a senior CIS major.

Have you included all of the requirements which are essential or do you need to modify any of them? Are each of the requirements sufficiently indivisible or should any be broken into multiple requirements? With the requirements you have, is the project do-able in the time-frame we have? If you are worried about the scope being too large, consider changing some of the priorities. With the requirements you have, is the project at a level which is worthy of a senior capstone project? If you are not sure it seems at a high enough level, for example, if it could have been done in a single lower-level course, then you should consider improving it by adding complexity and appropriate requirements.

Application Development Section of the Report:

The Application Section of the report should be divided into the following sections, revising only as needed and clearly indicating any revisions with what was changed and when it was changed.

- **The Project Concept Proposal** (indicate and date all updates)
- **Inspiration** (indicate and date all updates)
- **Vision and Scope** (indicate and date all updates)
- **Software Requirements Specifications**

Using your Scope Document as a guide, precisely and explicitly describe all of the primary software requirements using the following template for each specific requirement:

- Number: (List unique requirement number.)
- Statement: (Precisely state the requirement.)

- Evaluation Method: (How can you tell if the completed software satisfies this requirement?)
- Dependency: (List each other requirement on which satisfaction of this requirement depends or write "None")
- Priority: (Assign a priority to this requirement: essential, high, middle, low, or if time permits.)
- Requirement revision history: (when, what, and why)

Be sure that you list each requirement separately rather than combining two or more.

Draft Resume:

Since this week's work is a revision of last week's work, it seems a good time to get each of you to work on a draft resume which should fit on a single page. This is to be your resume, so what sections you include in what order is up to you. However, the following sections are typical:

- Name and contact information at the very top
- Professional Objective
- Education
- Experience (be sure to include College labor positions)
- Skills
- Honors (if applicable)
- References

You can find good resume advice and good sample resumes at:

<http://ist.psu.edu/current-students/careers/career-resources/resume->

Save your resume in an editable format like docx or rtf using the filename *yourusername-resume1.docx* or the equivalent.

Submissions:

As usual, convert the report file to a pdf, name the file *yourusername-R3.pdf*, and submit into our course management system in time to meet the stated deadline. Note that the pdf file does not need to be printed, but you will need to retain the electronic copy of the original editable file because you will use it to build your next weekly report.

Submit your draft resume *yourusername-resume1.docx* in an editable file format and submit as a separate file.