

## CSC 493 Senior Projects

### R8: Report on the Work of Week 8: Expanded to an Alpha or Beta Version

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

Be sure you have read [http://faculty.berea.edu/pearcej/csc493/R\\_OnReports.pdf](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*

Software versioning is the process of assigning unique version numbers or version numbers and letters or version names to unique states of computer software development and releases. There is very little commonality from one project to another in the software development world on how the versioning is done. Versioning schemes vary widely in areas such as the scheme used for individual versioning sequences, the meaning of individual versioning sequences, as well as the way of incrementing the versioning sequences. Most typically new names are used for major versions changes and increasing numbers are used within these names for the more minor changes. It is important that within a given project, the versioning should be coherent and transparent to both developers and users alike so that lists of known bugs can be tracked and kept for each software version.

The primary objective of this week should be to expand the implementation of your project into a working alpha or beta version. It is also expected at this time that you will choose a versioning scheme and will stick to it for the remainder of the course. It is expected that a beta version of your project will be fully functional at this time, but it is also understood that some components may still need to be added. It is also expected that the functional alpha or beta version will have been at least partially tested.

Note that many versioning schemes use a zero in the first sequence to designate alpha or beta status for releases which intended for testing or internal use only. So, you might consider using 0.1 alpha or 0.1 beta as your first version number and name, but you are free to use another reasonable scheme as well as it is coherent and transparent.

In addition, the Application Development section should now be expanded to include a section called something like “Known Bugs and Other Issues – in *YourProjectName* 0.1 beta” or “Known Bugs and Other Issues – in *YourProjectName* yourversionnumber.

In the coming weeks, you will be creating a testing suite for your project and will be fixing the known bugs as you create new versions of your project.

As before, you will be submitting:

- Your plain text document entitled README.txt and the code for all software components (submit all components regardless of whether or not they have changed) with header-style descriptions in each software component as well as internal documentation through comment lines.
- Your updated Weekly Report in pdf format.

### ***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)
- **About the Author (or other appropriate name)** (indicate and date all updates)
- **Inspiration** (indicate and date all updates)
- **Vision and Scope** (indicate and date all updates)
- **Software Requirements Specifications** (indicate and date all updates)
- **System Design and Architecture** (indicate and date all updates)  
*Be sure to update your software architecture as you expand the implementation!*
  
- **Implementation** (indicate and date all updates)  
*Be sure to list all submitted files with the README.txt listed first. Briefly describe the correspondence between all of the software components in each file and the related Software Design element of the Software Architecture as well as the date the software component was completed.*

*Add the following:*

- **Known Bugs and Other Issues – in *YourProjectName* 0.1 beta** (or appropriate name and #)

### ***Report Format and Submission:***

Convert the file to a pdf, name the file *yourusername-R8.pdf*, and submit into our course management system in time to meet the stated deadline.