

CSC 493 Senior Projects

R10-11: Report on the Work of Weeks 10-11: More Testing

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, your task will be to expand your Test Plan and to add test cases for 1) unit testing of each software unit and 2) integration testing. A unit is the smallest testable part of an application such as a method or function. Unit testing tests a small unit of a software application, separate from other units of the application. Integration testing tests the interaction of the units of the software application. In addition to the addition of unit testing and integration testing, you should add any other tests which you see as appropriate for your project. Please be sure to number each of the new tests using a consistent numbering system.

Please also update your Test Plan to summarize the testing activities and the overall approach to the testing.

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, but indicating clearly what is new and/or improved) 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.

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

Please expand the following section:

- **Test Plan and Test Cases**

Report Format and Submission:

Convert the file to a pdf, name the file *yourusername-R10-11.pdf*, and submit into our course management system in time to meet the stated deadline.