**Final Report Guideline**

**120 points Due date**: May 1, 2015

This is the last phase of software development process known as the product release. During this phase emphasis is on the implementation and test workflows to ensure that the software meets all user requirements, is free from defects and operates as expected in the user’s environment.

The goal of this assignment includes:

* Correct defects found in software testing
* Modify software to address any unforeseen problems
* Create user manuals or other support documentation
* Tailor software as necessary to operate at user site
* Software installation
* Provide user training

To complete this phase your team must produce the deliverables listed below. Submit newly developed deliverables with other artifacts produced during the senior capstone course.

**Application development team**

* The software product (all the code)
* Testing artifacts (Software test plan, results, and evaluation summary)
* Project schedule built that details tasks, schedule and resources for entire project development
* Deployment diagrams, if applicable
* User manual
* Artifacts from the previous software development phases
* Vision document
* Requirements document: Use-case model, UML Use-case diagram and specification, Supplementary requirements, if applicable
* Software architecture document: UML Class diagrams, UML Sequence diagram or similar diagram, UML Component diagram
* Project glossary
* Risk list and assessment
* Other advisor-defined artifacts

**Research-focused team**

* The software product (all the code)
* Simplified testing artifacts (Software test plan, results, and evaluation summary)
* Project schedule built that details tasks, schedule and resources for entire project development
* Final report including Introduction, Literature survey, Description of methods, Experimental tests (optional), Results and analysis, Discussion / Future works, Bibliography
* Deployment diagrams, if applicable
* User manual or written instructions for general use of the software
* Artifacts from the previous software development phases
* Vision document (or problem statement)
* Requirements document: Use-case model with the use-case descriptions, Supplementary requirements, if applicable
* Software design document/diagram for the software construction
* Data, data description, resources, libraries used in the experiments, if applicable
* List of major technical risks of the project
* Other advisor-defined artifacts

**Submission**

* Submit all developed deliverables during senior capstone I & II course on USB or CD
* Create two folders on your storage devices named, “Document” and “Source code”
* Copy produced reports and documents to the “Document” folder
* Name each document file based on the following name convention:

“Document type – Team #id”. For example: “Vision document – Team #1”

* Store source code, libraries, and a project file to reconstruct an executable to the “Source code” folder

**Evaluation**

The emphasis for this evaluation will be on demonstrating that all system functionality has been implemented and operates in the user’s environment. This demonstration will take place in the context of a final project presentation.

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| **Application development Team** | **Research-focused Team** |
| 80 The software product (all the code)  20 Testing artifacts  5 Project schedule  5 User manual  10 Artifacts from the previous phases | 60 The software product (all the code)  10 Testing artifacts  5 Project schedule  35 Final report  10 Artifacts from the previous phases |