**Coding Assignment for CS 499 – due November 8 (during class, not after!)**

This assignment of the project is to perform the implementation and testing for the project and to present the results to your peers. Here are the things you must prepare by November 8.

1. (40 points) Implementation
   1. Source code listing with in-line comments
   2. Hold code walkthrough and show results (maybe use checklist)
   3. User’s manual – format of your choosing
   4. Administrator’s manual (configuration) along with System requirements and Installation – format of your choosing – note that this may be one paragraph of text
2. (20 points) Testing
   1. Test plan, test cases, test results for acceptance testing
   2. Test plan, test cases, test results for unit or integration testing
3. (5 pts) Metrics (turn in all that apply to your project at this point in time - bolded)
   1. Estimated story points (or lines of code or function points)
   2. **Actual lines of code (or function points) – as implemented**
   3. **Complexity of each module (class or method) (such as McCabe’s cyclomatic complexity, Module coupling indicator for each module (from Chidamber-Kemerer (CK) metrics), Weighted methods per class (for each class) (also from CK metrics)**
   4. **Complexity of overall system (such as depth of inheritance tree, Coupling between object classes** (both are CK metrics))
   5. **Product size (such as number of user stories, number of unit test cases, number of classes, number of methods, etc.)**
   6. **Product effort (number of person hours)**
   7. **Defects (number detected during the quality assurance review, if any)**

(25 points) 4. Demonstration of the project to customer/professor

(10 pts) 5. Keep a developer notebook (your record of effort expended, major assumptions made, developer notes, design decisions, team meetings, etc.) and turn it (or URL) in – format of your choosing

6. Presentation of Results to Class (starting on 11/8/2013) – separate grade

* Each team will have 11 minutes to present their results
* You may use PowerPoint slides, posters, any media you desire
* Your presentation must present the major aspects of the assignment (you will not have enough time to show all the items developed, so some results may be combined or skipped)
* You will also be presenting the results of two other project sections to the class later in the semester. Make sure that each team member speaks during one of the three presentations

All assignments must have the names of your team members, course number, semester, and date