**Computer Programming - Senior Final Exam Rubric**

**Directions** – You will perform a self-assessment of your own program. Ask yourself the following questions and score yourself in that area on the left hand side. Be honest and fair in your scoring. I will fill in the right hand side after viewing your project. You must also print out your code and staple it to this page.

Finally write brief (less than 1 page), reflective essay about the process of creating the program (in Microsoft Word, size 12, Times New Roman, 1” margins). Include in this paper, the changes you made along the way due to complexity, time restraints, etc… You should also include in your paper possible improvements or areas that wish you knew more code so you could improve the program. Share with me something that you figured out that was a source of pride/accomplishment. Feel free to share how you came up with the idea, new ideas that sparked from it, previous projects that you took code from, etc…. Use complete sentences, proper spelling and grammar.

**Student Self Assessment Instructor Assessment**

**General Aesthetics** - /10 /10

* Was time taken to beautify the program’s environment for the user?
* Is the flow of the application easy to determine? (ease of use)
* Is the start/stop of the application intuitive and/or well labeled?
* Is the purpose of the program clear from the beginning or easily obtained?

**Challenge** - /20 /20

* Did the user complete the program they set out for themselves?
* How much of the program was completed when compared to original plan?
* Was the program sufficiently deep to challenge the logic and ability of the programmer?

**Mechanics** - /20 /20

* Does the program function without error?
* Is unintended user input accounted for on the part of the user?
* Are there circumstances that are not accounted for?
* Is the application reusable and resettable?
* Are there sufficient instructions available to run and use the application?

**Programming Style** - /30 /30

* Were a variety of programming methods implemented in the construction of the application?
* Were a variety of variable types used?
* Were a variety of objects used?
* Was a timer implemented into the application?
* Were subroutines used?
* Was the code redundant and unoriginal (taken from an earlier program)?
* Did the user create the majority of the code themselves?

**Reflective Essay** - /20 /20

**TOTAL:**  /100 /100