

**CS 102 – Final Project Proposal**  
**10 Points**  
**Due in Canvas by 11:59 PM on Thursday, November 15, 2018**

For this assignment, you will write the proposal for your final project. Your final project will be due at the end of the semester, so there is about 2-3 weeks remaining after your proposal is due. Focus more on something tangible (i.e., with a specific purpose) than on writing a large program.

The proposal will include the following three items:

- (a) A brief write-up of what you expect your project to accomplish. It should go in more depth than our homework assignments but does not need to be very elaborate. Your write-up should include information on what inputs the user can make and the expected outputs the user should expect.
- (b) Which topics from this course it will include (a minimum of 3). These can be from the following list:
  - a. Nested loops (nested FOR loops, nested DO...WHILE loops, nested WHILE loops, or any combination thereof (e.g., a FOR loop nested inside of a WHILE loop)
  - b. Recursion
  - c. Use of classes (complete with constructor and get/set methods)
  - d. Reading from and/or writing to files
  - e. Arrays and/or ArrayListsNote that IF... THEN and CASE statements are not included as one of the 3 options, but they can certainly be included in your program.
- (c) Pseudocode of your program. It can be at a high level to give a general sense of your program flow. The pseudocode should be complete, but I understand it may change between this submission and your final submission somewhat.

**Grading**

Part a – 3 points

Part b – 3 points

Part c – 4 points