CS1 Project Guidelines

Your project will follow the Software Development Life Cycle (SDLC) and will require the following deliverables:

1. A problem statement of what your project accomplishes. 3-4 statements
2. A requirements document of at least one page. For our purposes:
   1. Define the product purpose
   2. Describe the product features
   3. Describe every input to the system and every output from the system\*
   4. Establish a schedule
3. Python code that is prefaced with pseudocode
4. A test document that uses at least 6 test cases using either black box testing or white box testing
5. A one-page high-level flowchart showing the main path solution of your project
6. Evidence that your program does what you set out to do

Deadlines:

* Problem Statement: October 31, Tuesday 11:59pm to Blackboard
* Requirements Document: November 7, Tuesday 11:59pm to Blackboard
* Pseudocode Draft: November 14, Tuesday 11:59pm to Blackboard
* Code and Test Plan: November 21, Tuesday 11:59pm to Blackboard
* Flowchart and Evidence: November 28, Tuesday 11:59pm to Blackboard
* Presentation: November 30 or December 5

The project will consist of 280 points. Points will be distributed as follows:

Problem Statement – 20 points

Requirements Document – 40 points

Pseudocode Draft – 40 points

Test Plan – 30 points

Final Documented Code – 80 points

Evidence – 20 points

Flowchart – 20 points

Presentation – 30 points

Other:

* Use only Python code and the concepts that you learned in this course
* You may **only** use existing code if you a) get permission from me to do so, and b) acknowledge the code in your documentation.