Software Engineering
Assignment #1
Project Ideas for a <u>Computer Program</u>
Name: _____

A **computer program** consists of instructions provided to the computer so that it can complete a task. The computer can be made to do anything the programmer wants. The hardest job for the programmer is defining all of the functionality the program will have. If the programmer does not provide the computer with detailed instructions, it will not function as expected.

In this course we will begin creating programs. The first step in writing a program is to have a clear picture of what you would like to make. For this assignment, I would like you to think about a computer program you would like to create and define key features that will be included in the program. You do not need to have the skills to create this program at the present time, I am simply interested in the ideas that you have.

Use Word to write a paper that includes the following:

- At least one page double-spaced.
- A second page with graphics or pictures that illustrates something to be included in the program. This could be the layout of a screen or a graphic of a character in a game, any type of illustration that will help the reader to have a better idea of what your program will look like.
- Include details of what the program will do. For example, if you want to make a game, describe the characters and explain character movement and functionality. Provide pictures or graphics to show what the game will look like. The more **DETAILS** you include, the better your grade will be!

<u>Grading Rubric</u>

Topic sentence clearly identifies the main idea of the paper. (1 pts) _____
Paper is at least 1 typed page, double-spaced. (2 pts) _____
Paper uses complete sentences, correct spelling, punctuation, and grammar. (2 pts) _____
Transitions are used appropriately. (2 pts) _____
Paper provides a **detailed** description of the program, including all program functionality. (5 pts) _____
Paper includes software development tools that you would like to work with. (2 pts) _____
A detailed illustration is included on a second page. (6 pts) _____

TOTAL POINTS (20 possible) | |