Solution Design
Assignment #1 - Project Ideas for a Computer Program

Name: _____

Welcome back! I hope that you had a great summer and have lots of fun ideas you want to pursue this year. I want to start the semester by hearing about your project ideas. Remember that the most difficult job for a programmer is to define **all** the functionality a program will have. When thinking about functionality, you need to consider both what the program will do and what it won't do. If the programmer does not provide the computer with detailed instructions, it will not function as expected.

In this course we will create more advanced programs. For this assignment, I would like you to think about and research a computer program you would like to create; and define some of the key features that will be included in the program. You do not need to have the skills to create the program at the present time, I am simply interested in 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.

Use your time to research and dream about **fun**, **interesting** projects! If you have extra time, use it to begin creating graphics to use in your programs. Use the following links and any others that you find to help with your research. If you have links to other good resources that you would like to use this semester, please include the URL in your paper.

Internet Resources:

http://www.fornstrom.tjcomputermagnet.com/ especially Lessons > Solution Design 3 > Visual Studio Web Links

www.flashkit.com
www.actionscript.org/tutorials
http://creators.xna.com/ → Microsoft game development

Grading Rubric

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) _____