

# CS493 Software Engineering I

## Project Requirements

**Date Assigned:** Monday, September 20, 2010

**Date Due:** Thursday, September 27, 2010

**Points:** 25 points

The purpose of requirements elicitation is to completely describe the system from the user's point of view. For this document you do not need to consider how you will develop the system, but on what it is that you are going to develop.

For this assignment you are to list all of the user requirements for your project. The user requirements will be in the form of use cases. You need to produce a use case diagram for your system that provides a high-level overview of your system using Visio (use the built-in UML Use Case template).

On Friday 9/24 we will spend some time in class looking over your draft requirements (peer review) and I will provide you with some comments on how you can improve the use cases for the final version.

I have provided a template for this document as well as an example. You should use this template and example as a guide when writing out your use cases. GoogleDocs will not perfectly reproduce this layout.

When working on this assignment you should put yourself in the users' shoes. What do the users want to see from your system? What functionality do they expect?

It might help if you also start thinking about the user interface at this point. You might want to sketch out some UI's that you expect the user to interact with. Every interaction with a component of the UI will then be its own use case.

Since you are all developing games, there is additional information that you need to describe before you can write out the use cases. This information is:

- The back-story for your game.
- The objective of the game.
- The game play.
- The controls.
- The graphical user interface.
- The artwork.
- The music and sound effects.

You can go here for an example:

<http://www.cs.sunysb.edu/~cse380/hw/SpikedAcidGameDesignDocument.html>

Submit the text as a GoogleDoc. The document must be well-formatted and use proper spelling and grammar. Poor spelling and grammar will result in a severe point reduction. The Use Case diagram must be turned in as a PDF file (CS493\_UseCase\_PUNetID.pdf). This PDF file must be uploaded to GoogleDocs and shared with me ([ShereenKhoja@gmail.com](mailto:ShereenKhoja@gmail.com)). Uploaded PDF files must be less than 10 MB, but this should not be problem.