

CS493 Software Engineering I

Environment Survey and Coding Standards

Date assigned: Friday, September 30, 2011

Date due: Friday, October 10, 2011

Points: 10 points

For this assignment, you are to define all the pieces of your development environment. The purpose of this assignment is for you to identify everything you will need. If something you need doesn't fall under one of the categories listed below, then you should make sure you add it to the list. It is very important that you complete this assignment thoroughly. The success of your project depends on it.

At the very least, you must identify:

1. Platform (OS and/or architecture)
2. Programming Language(s)
3. Editor
4. Debugger
5. Compiler and Build System (i.e. Makefiles)
6. Libraries/Toolkits
7. Scripting Language for testing

If you're not sure of some of the details, you may talk to me about them. It's also possible that you may change some details as you go. This is completely acceptable.

You should also complete the coding standards for your project. Coding standards refer to the format and naming conventions you use for your code. You can make up your own standards if you'd like or you may use some existing ones. Some possibilities are:

1. GNU coding standards (<http://www.gnu.org/prep/standards/standards.html>)
2. Java coding conventions (<http://java.sun.com/docs/codeconv/html/CodeConvTOC.doc.html>)
3. C++ coding standards (<http://www.possibility.com/Cpp/CppCodingStandard.html>)
4. Google C++ style guide (<http://google-styleguide.googlecode.com/svn/trunk/cppguide.xml>)
5. The coding standards written by the CS faculty at Pacific for C++, C, and Java. These are available from their web pages.

Feel free to search on the web for other standards to use. When you've decided what you want to use, you must provide me with the standards. If you've made your own, you must list all the standards. If you're using existing ones, please tell me which one and provide a link to the standards.

Share a GoogleDoc with me (ShereenKhoja@gmail.com) by 2:15pm on Friday, October 10.