Lab 1 – Installation and Hello World!

# Purpose

* Install Visual Studio 2010
* Install SQL Server Management Studio Express
* Create your first C# project in Hello World

# Due Date

* This lab is due before the beginning of the Lab period (3:59:59pm) on January 18th

# Assessment

* This Lab is worth 1% of your total course mark.

# Estimated Time

* This Lab is estimated to take 2 hours.

This is only an estimate of the time required to complete this Lab. I would encourage you to work at your own pace and if at all possible obtain a laptop so that you can work on your assignments from anywhere

# Assigned Readings

* None this week

# Lab Supplies

To complete this lab you will require the following lab supplies:

* Visual Studio 2010
  + Available on MSDNAA
* SQL Server Management Studio Express (or SQL Server 2008)
  + Simply use an internet search to find the download location of the software
* Laptop or Caddy

# Summary of Tasks

1. Install Visual Studio 2010
2. Install SQL Server Management Studio Express
3. Create your first C# project ‘Hello World’

# Task 1

Install Visual Studio 2010. Use the advanced installation options to install all the features the suite has to offer.

# Task 2

Do a web search to find the Microsoft Download site for SQL Server Management Studio Express. Install the software.  
  
If you feel so compelled you can download and install SQL Server 2008 from MSDNAA. It has the Management Studio but is also the full suite of tools, not to mention the server itself.  
  
Later in the semester we will be using database to store data used in your applications.

# Task 3

Create your first C# project ‘Hello World’.

1. Open Visual Studio 2010
2. File -> New Project
3. Select Visual C# -> Windows from the ‘Installed Templates’ section.
4. Check ‘Console Application’, name the application ‘Lab1’ and save it in an appropriate directory.

Visual Studio will then create an empty project with the basic references used by most applications. It will also create a new class Program and a code file to match. Add the following code to the Main method:

Console.Out.WriteLine("Hello World!");

Console.Out.WriteLine(); // blank line

Console.Out.WriteLine(); // blank line

Console.Out.WriteLine("Press enter to exit.");

Console.In.ReadLine();

Press F5 or navigate to Debug -> Start Debugging to run you program.  
  
Simple!