# ASP.NET MVC– Lab Machine Setup

Ensure that your lab machine meets the following software requirements. If you’re missing one of the listed requirements, please take a moment to install it before continuing.

## Software Requirements

* Any of the following versions of Windows:
  + Windows Server 2003 (SP2)
  + Windows Server 2008
  + Windows XP Professional (SP2)
  + Windows Vista
  + Windows 7
* Visual Studio 2008 Service Pack 1
* Microsoft SQL Server 2005 or 2008 (any edition)
* ASP.NET MVC 1.0
* Microsoft Word 2007 or Word Viewer

*Note: in order to read the lab instructions, you need to install either 1) Microsoft Word 2007 or 2) the free Microsoft Word Viewer along with the Microsoft Office Compatibility Pack for 2007. You can download the free Word Viewer from:* [*http://link.pluralsight.com/wordviewer*](http://link.pluralsight.com/wordviewer) *and the free Office Compatibility Pack from* [*http://link.pluralsight.com/2007pack*](http://link.pluralsight.com/2007pack)*.*

# Database Setup

For labs that require a relational database, we’ll be working with a database named *moviereviews*. If you are comfortable working with SQL Server, then run the moviereviews.sql file in the Labs\Scripts directory where your class material resides. The script will create and populate a new SQL Server database.

If you need some additional help getting the database installed, then read further!

# Verifying You Have SQL Server Installed

1. Open a command prompt. If you are running under Windows Vista, launch the command prompt as Administrator. To run as Administrator:
   1. Find cmd.exe in the Vista Start menu.
   2. Right-click the icon
   3. Select “Run as administrator”
2. Run the following:

sqlcmd –S .\SQLEXPRESS -E

* 1. The –S represents the server name (just a “.” for localhost) and a database instance name (SQLEXPRESS).
  2. The –E means we are connecting with our Windows credentials.

1. If you are presented with a command prompt (it looks like a 1>), then you have **SQL Server Express** installed locally. Go to step 6.
2. If you did not connect, try the following command:

sqlcmd –S . –E

1. If you are presented with a command prompt (it looks like a 1>), then you have **SQL Server** installed.
2. Type exit and then press return. Leave the command prompt open.
3. Remember the server information you used to connect (. or .\SQLEXPRESS), you’ll need to use this when installing the database and when working with the labs.

# Granting Permissions

In this section, we will ensure you have the proper rights to create a database in SQL Server. You will need to know your login name, including the domain or machine name. If you don’t know your login or machine name, type whoami at the command prompt (for Vista and Server 2003), or type SET at the command prompt and look for the USERNAME and USERDOMAINNAME settings.

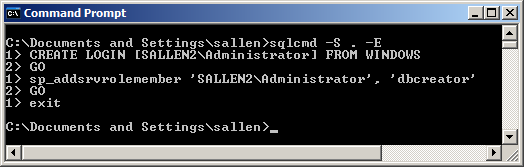
1. In the command prompt with administrative permissions, connect to your SQL Server using sqlcmd as we did in the last section.
2. Type the following command, where domain is your *domain* or machinename and *user* is your username(make sure to include the [ and ] characters in the command.:

CREATE LOGIN [domain\user] FROM WINDOWS

1. Enter the command GO on line 2>.
2. If you see an error saying that your login already exists, just continue to the next step. For other errors, see your instructor for assistance.
3. Type the command:

sp\_addsrvrolemember ‘domain\user’, ‘dbcreator’

1. On the second line, type GO and press enter.
2. Type exit, and close your command prompt.
3. Your account should now have permission to create databases. The following screenshot shows the commands in action:



# Creating the Database

To create the database we need to run the moviesreviews.sql file. You should do this as a normal user (in other words, if you opened a command prompt as administrator in the previous steps, than close that command prompt and open a new, non-elevated prompt).

To run the .sql file, run sqlcmd with a –i parameter followed by the path to the moviereviews.sql file. For example:

Sqlcmd –S . –E –I c:\lab\scripts\moviereviews.sql

… for a regular SQL install and …

Sqlcmd –S .\SQLEXPRESS –E –I c:\lab\scripts\moviereviews.sql

... for SQL Express.