

REGEX on SQL SERVER 2008

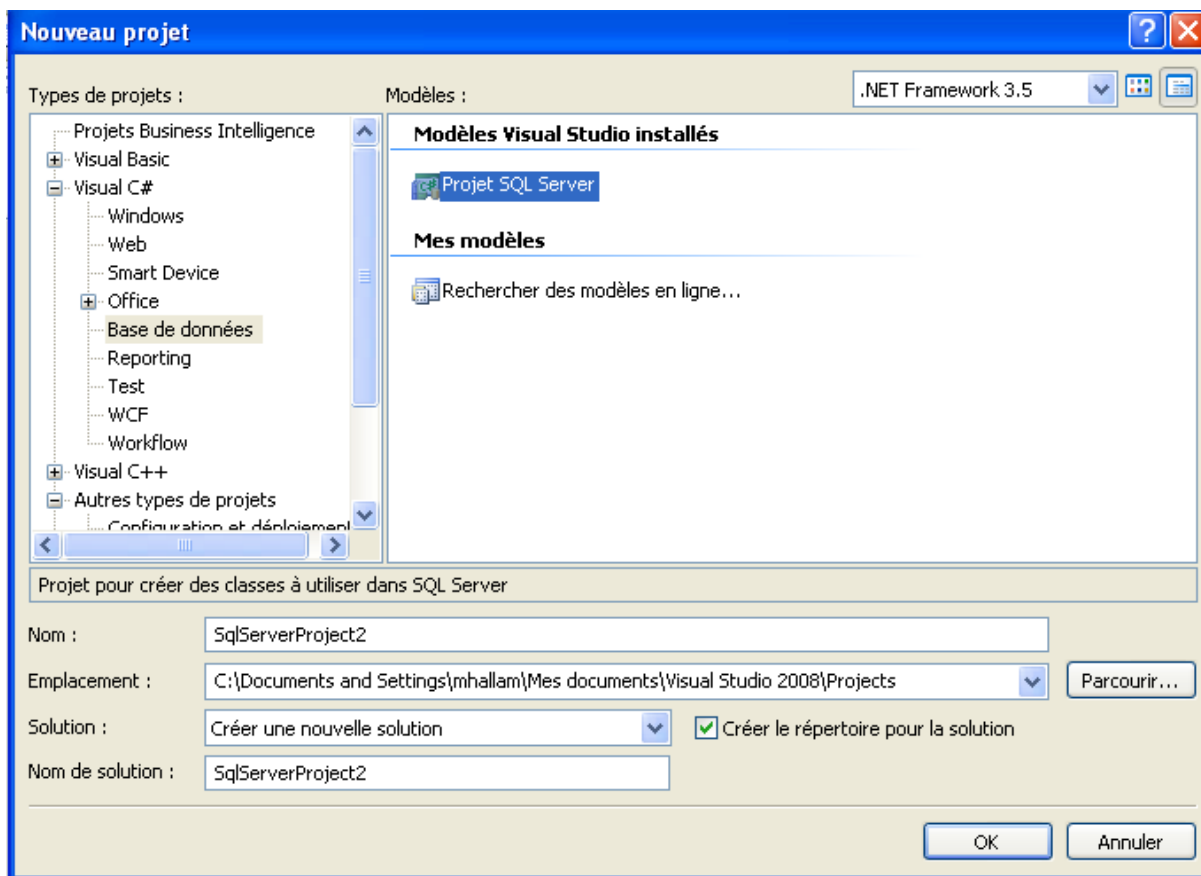
The customer should have Visual studio 2005 or 2008

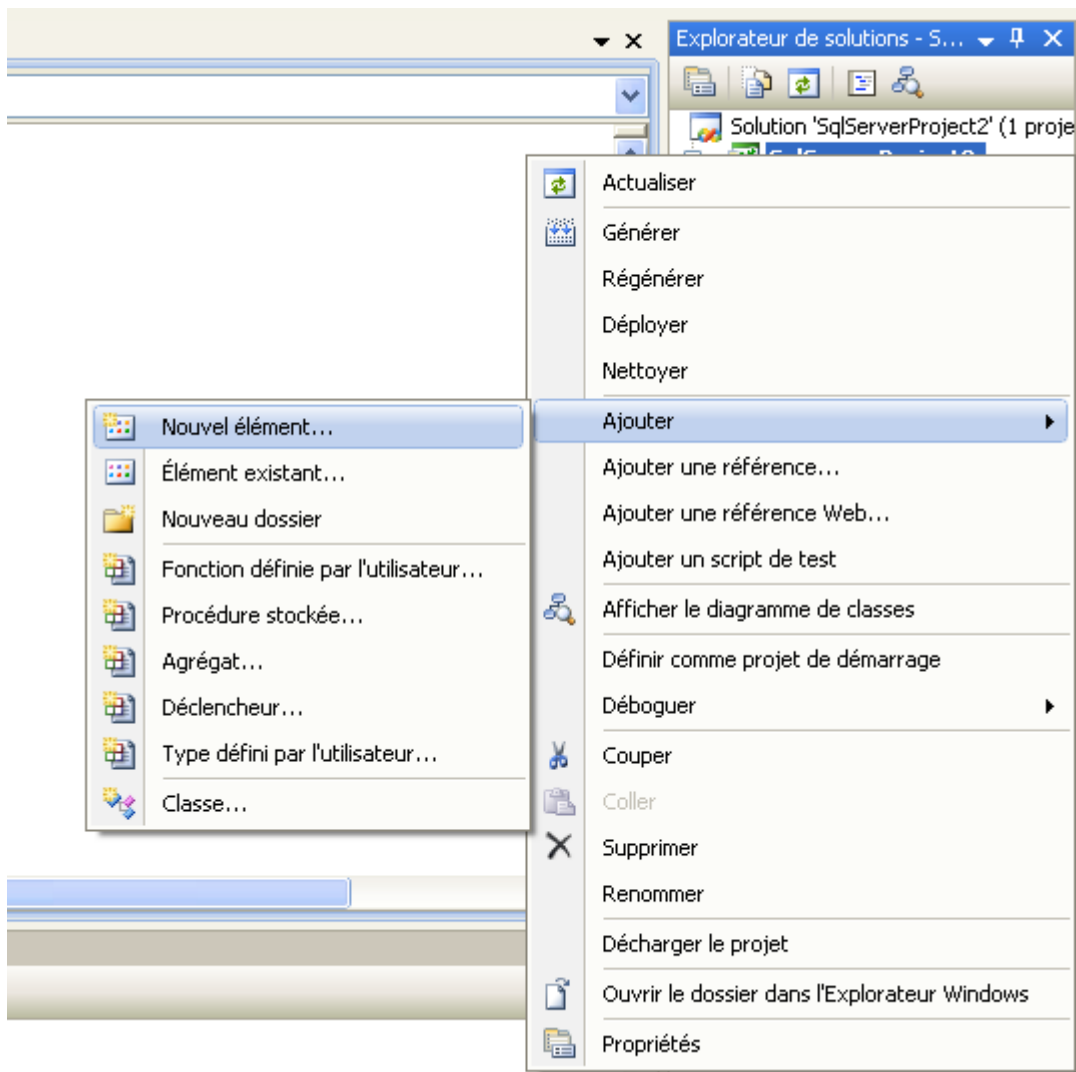
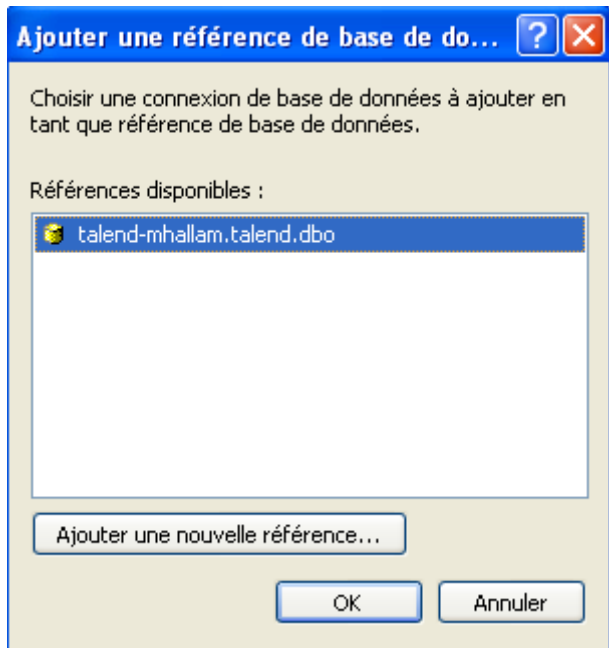
1-how to create the function:

On Visual Studio Create new project

C# project -> Database->SQL server project

Choisir la base

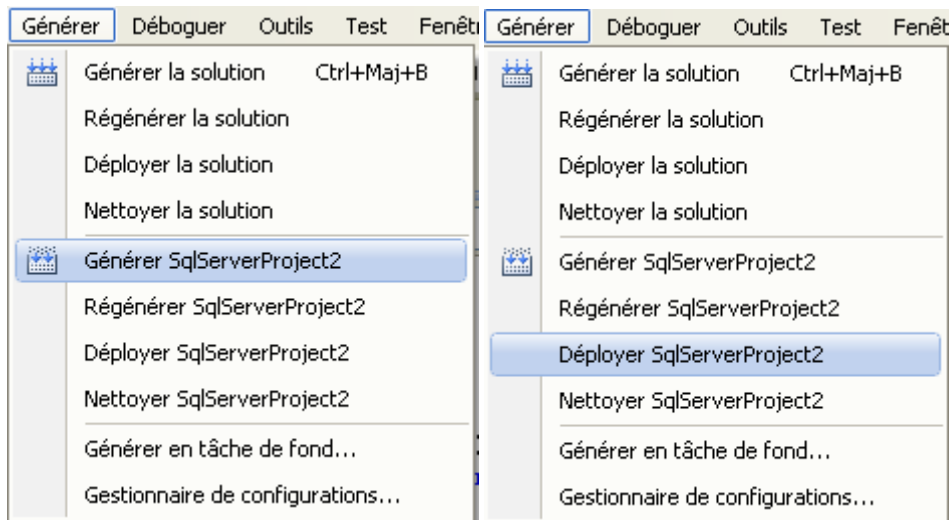




Function code:

```
using System;
using Microsoft.SqlServer.Server;
using System.Text.RegularExpressions;
public partial class RegExBase
{
    [SqlFunction(IsDeterministic = true, IsPrecise = true)]
    public static int RegExMatch( string matchString , string pattern)
    {
        Regex r1 = new Regex(pattern.TrimEnd(null));
        if (r1.Match(matchString.TrimEnd(null)).Success == true)
        {
            return 1 ;
        }
        else
        {
            return 0 ;
        }
    }
};
```

Generate and deploy the the project (just by click on the correspondent buttons)



Here is a table that allows you to test your function under SQL server 2008 Editor

You can copy this code and execute :

```
create table Contacts (
FirstName nvarchar(30),
LastName nvarchar(30),
EmailAddress nvarchar(30) CHECK (dbo.RegExMatch('[a-zA-Z0-9_\-]+@[a-zA-Z0-9_\-]+\.)+(com|org|edu|nz)', EmailAddress)=1),
USPhoneNo nvarchar(30) CHECK (dbo.RegExMatch('\([1-9][0-9][0-9]\) [0-9][0-9][0-9]\-[0-9][0-9][0-9][0-9]', UsPhoneNo)=1))

INSERT INTO [talend].[dbo].[Contacts]
([FirstName]
,[LastName]
,[EmailAddress]
,[USPhoneNo])
VALUES
('Hallam'
,'Amine'
,'mhallam@talend.com'
,'0129-2090-1092')
,( 'encoremoi'
,'nimportequoi'
,'amine@zichji.org'
,'(122) 190-9090')

GO
```

And now you can see if the function works well ,
In this example we search expressions that matches with our expression
'\([1-9][0-9][0-9]\) [0-9][0-9][0-9]\-[0-9][0-9][0-9][0-9]'

matche :

```
***** Script de la commande SelectTopNRows à partir de SSMS *****/
SELECT [FirstName]
,[LastName]
,[EmailAddress]
,[USPhoneNo]
FROM [talend].[dbo].[Contacts]
where [talend].[dbo].RegExMatch([EmailAddress], '[a-zA-Z0-9_\-]+@[a-zA-Z0-9_\-]+\.)+(com|org|edu|nz|au)') = 1
```


Let's for example try to add analyze our email from SQL database.
So don't forget to add regular expression for your email pattern.

