DB2Class3 User Guide

This guide describes DB2Class3 program. DB2Class3 program designed to generate the classes based on the SQL Server table schemes. The program creates classes in programming languages Visual Basic .NET and C#.

Classes are designed to work with ORM Nemiro.Data.dll.
The Nemiro.Data.dll library issued separately.

Homepage: http://data.nemiro.net

SYSTEM REQUIREMENTS

• Windows XP/Vista/7 or later
• .NET Framework 4.0
• Microsoft SQL Server 2005, 2008, 2008R2, 2012 or later
• Active network connection to access the SQL Server
• Keyboard, Mouse
• Microsoft Visual Studio 2010 or later

IMPORTANT: Program may need to access the network. Make sure your firewall settings are not blocking your connection for DB2Class3.

LICENSE FOR USE AND DISTRIBUTION

The DB2Class3 program is freeware.

This means:
The DB2Class3 program is freeware.

This means:
1. All copyrights to the DB2Class3 are exclusively owned by the author - Aleksey Nemiro.

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FIRST START

When you first start the DB2Class3 program will be the settings window.
In this window you can specify information about you. And also select the interface language.
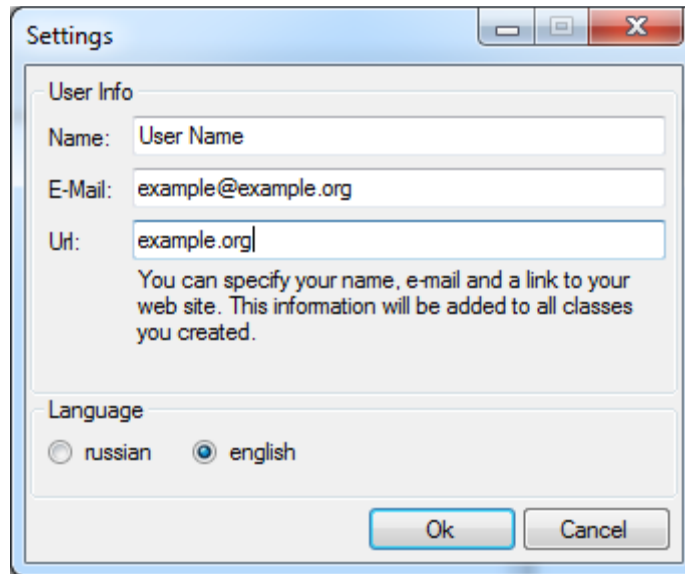

Fig. 1. The settings window.

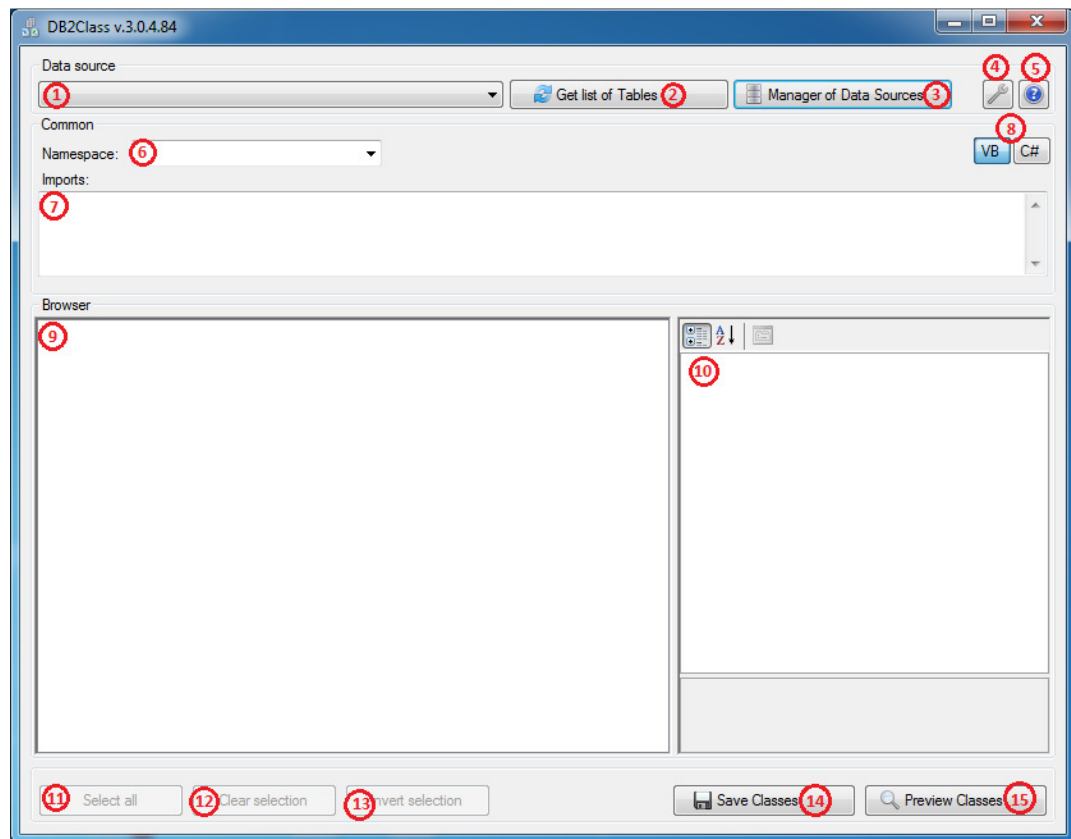You can at any time change the settings.

THE MAIN WINDOW

Fig. 2. The main window.

1. Data sources list.

2. Button to get a list of tables from the data source.

3. Button to open the data sources manager.

4. Program settings.

5. About DB2Class3.

6. The namespace for the generated classes. For example: MyApllication.

7. List of additional namespaces that are imported into the generated classes. Each element on a new line.

For example:
```
System.Text
System.Reflection
```

8. The programming language in which the code will be generated classes.
Visual Basic .NET or C#.

9. Tables browser.

10. Setting rules for generating code for the selected object.

11. Button to select all the tables to generate classes from them.

12. Button to deselect all tables.

13. Button to invert the selection tables.

14. Generate classes and save to files.

15. Generate classes and open in Visual Studio.

MANAGER OF DATA SOURCES

To open the data sources manager, click on the button «Manager of Data Sources» (3).
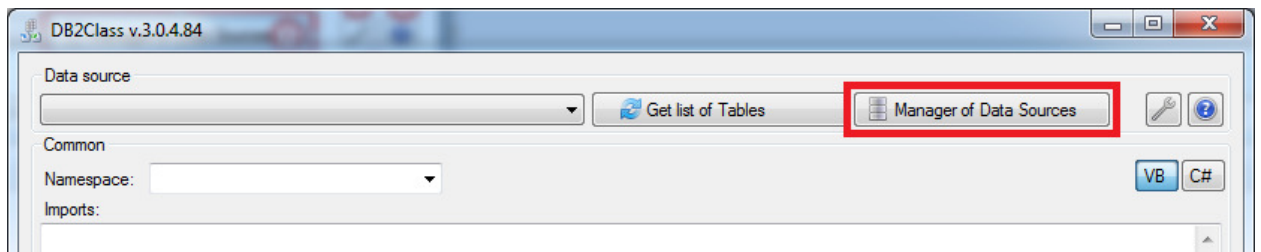

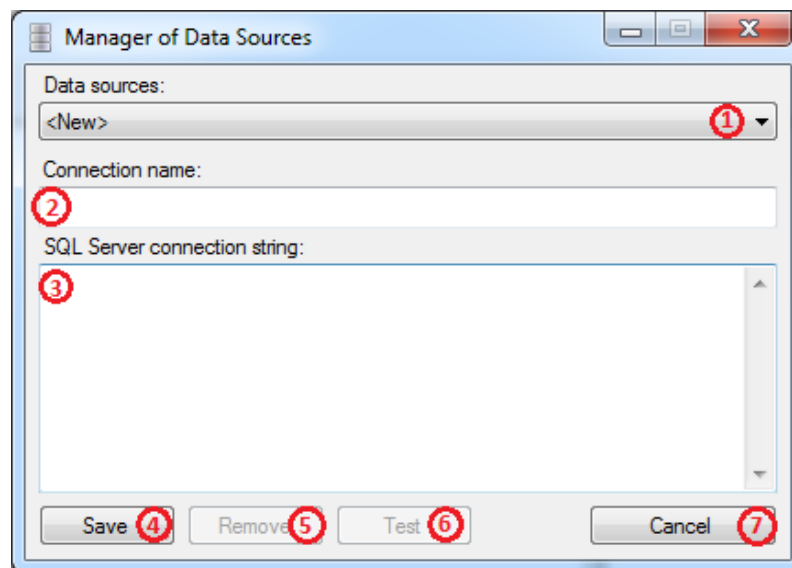Fig. 3. The button «Manager of Data Sources» in the main window.

Fig. 4. Manager of Data Sources.

1. Data sources list.

2. Selected data source name.

3. Selected connection string.

4. Button to save selected data source.

5. Button to remove selected data source.

6. Button to test connection string.

7. Close window button.

To create a new data source, select the <New> item.

Enter any data source name.

For example: `My Data Source`

Enter SQL Server connection string.

For example:

```
Data Source=.\SQLEXPRESS;Initial Catalog=test;Trusted_Connection=True;
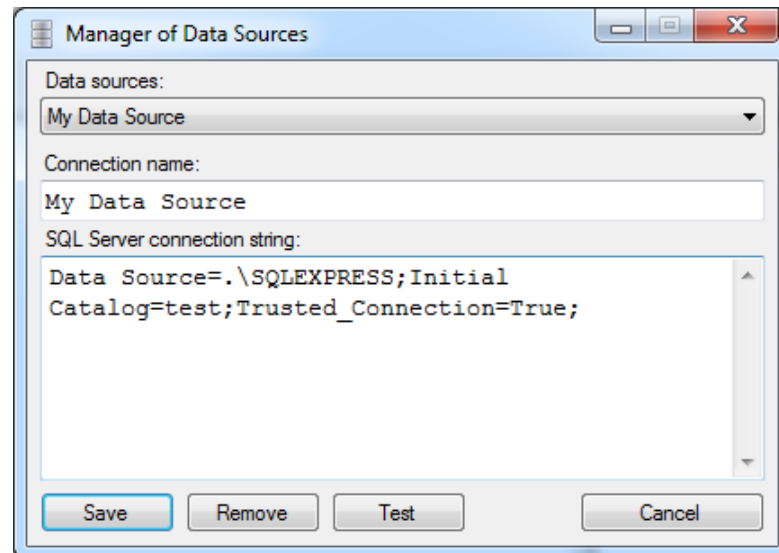```

Click «Save» to save the data source.



Fig. 5. Example of adding a data source.

The new data source appears in the list.

## GENERATE CLASSES

1. Select the data source from the list (1) and click on «Get list of Tables» (2).

2. Choose a programming language (8).

3. Select one or more tables in the browser (9).

4. Click «Save Classes» (14) to generate classes and save to files. Select the directory to which files will be saved.

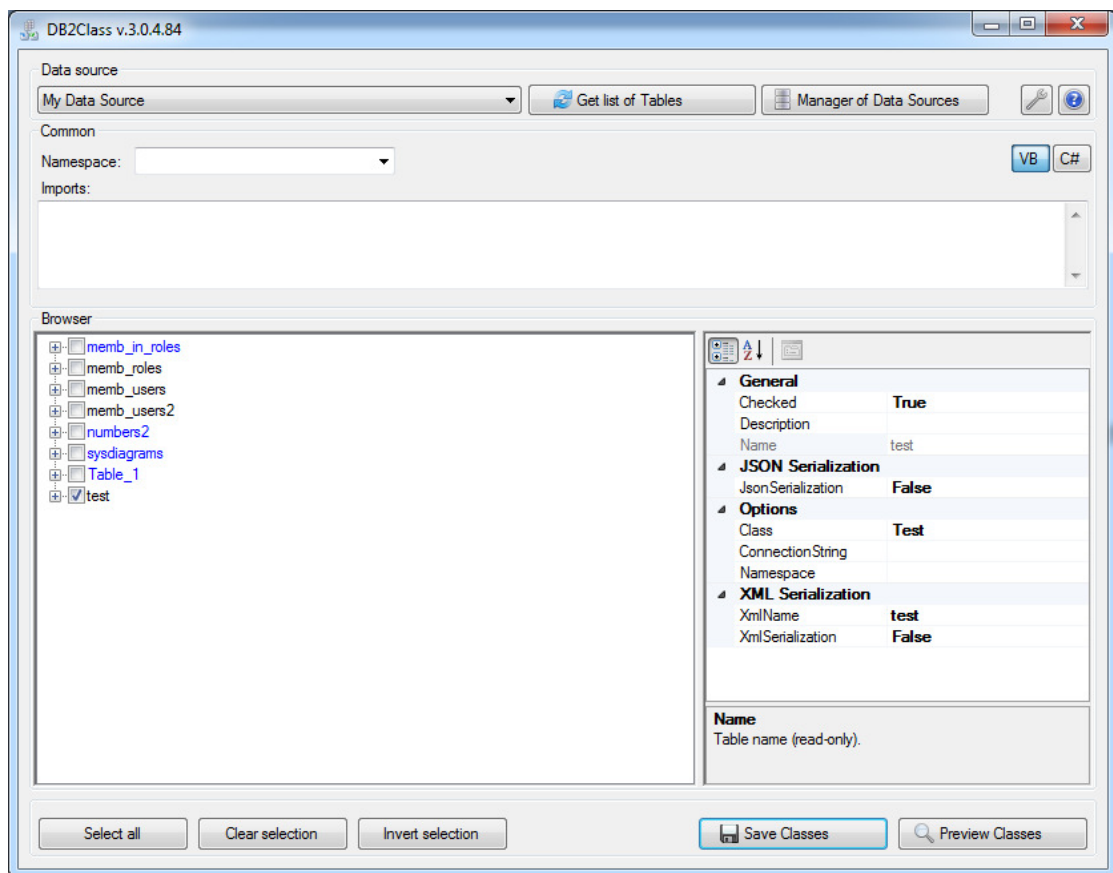Or Click «Preview Classes» (15) to generate classes and open in Visual Studio.

Fig. 6. Generate class for <test> table.

```vb
ufyeykoa.hpl.vb  ×
  1    Imports System.Data
  2    Imports Nemiro.Data
  3    Imports Nemiro.Data.Sql
  4
  5  ⊞ <...>
 27
 28  ⊟''' <summary>
 29    ''' The class of table "test".
 30    ''' </summary>
 31    ''' <remarks>
 32    ''' User Name, 3/16/2014
 33    ''' mailto:example@example.org
 34    ''' http://example.org
 35    ''' </remarks>
 36  ⊟<Table("test")> _
 37    Public Class Test
 38      Inherits BaseObject
 39
 40  ⊟#Region " ..Properties.. "
 41
 42  ⊟    ''' <summary>
 43        ''' Identifier (field: id)
 44        ''' </summary>
 45        <Column("id", SqlDbType.Int, ColumnAttributeFlags.PrimaryKey Or ColumnAttributeFlags.Identity)> _
 46        Public Property [Id]() As Integer
 47
 48  ⊟    ''' <summary>
 49        ''' (field: id_test)
 50        ''' </summary>
 51        <Column("id_test", SqlDbType.UniqueIdentifier, [Default]:=Guid.Empty)> _
 52        Public Property [IdTest]() As Guid
 53
 54  ⊟    ''' <summary>
 55        ''' (field: value, size: 3 chars)
 56        ''' </summary>
 57        <Column("value", SqlDbType.NVarChar, Size:=3, [Default]:="")> _
 58        Public Property [Value]() As String
 59
 60  ⊟    ''' <summary>
 61        ''' Date created (field: date_created)
 62        ''' </summary>
 63        <Column("date_created", SqlDbType.DateTime, [Default]:=ColumnDefaultValues.Now)> _
 64        Public Property [DateCreated]() As Date
 65
 66    #End Region
 67  ⊞   ..Constructor/Destructor..
107  ⊞   ..Methods..
117  ⊞   ..Static Methods..
144
145    End Class
146
```

Fig. 7. Generated class.