Activating AspxFormsGen 4.5

Note: You need internet connection to activate AspxFormsGen 4.5. You can install one (1) license of AspxFormsGen 4.5 for up to 2 computers you own or use for work.   You need one (1) license per developer and the license cannot be shared with other developers.

The first time you open AspxFormsGen 4.5 Professional Plus edition you will be presented with an activation form right after the Splash screen as shown in Figure 1. You will not be shown the activation form when using the Express edition.
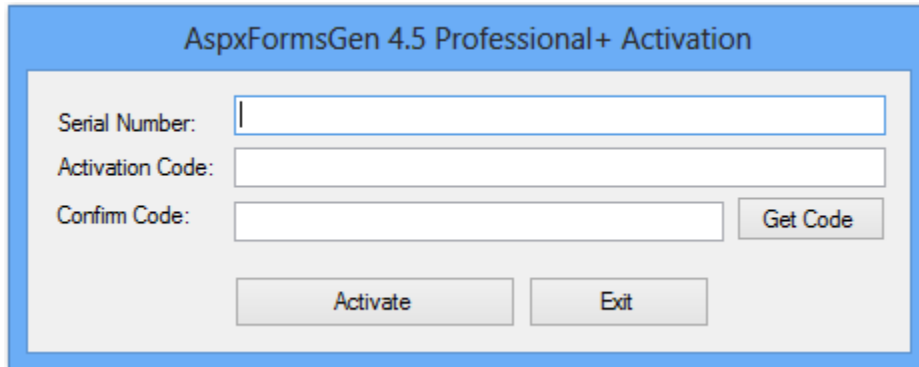

Figure 1 Activation Form

Enter the *Serial Number* and *Activation Code* we provided you in the respective text boxes. The *Serial Number* and *Activation Code* contains dashes "-", make sure to include these dashes when entering them. Then click the *Get Code* button to get the *Confirm Code*. See Figure 2.
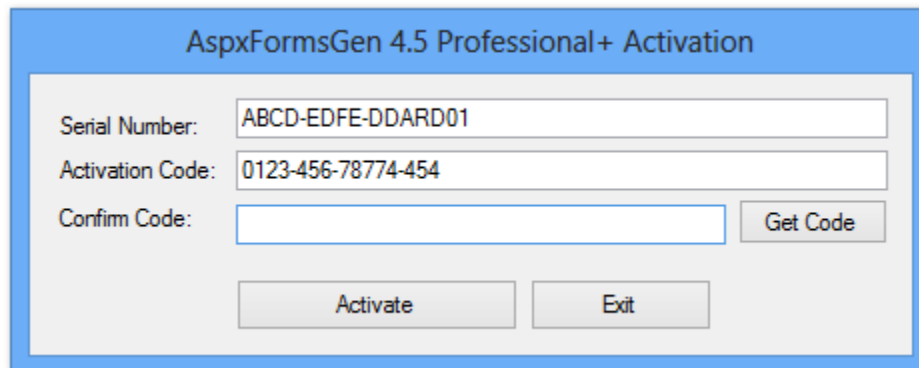

Figure 2

The *Confirm Code* will be sent via email to the original purchaser's email address we have on file. When the *Confirm Code* is sent, a pop up message will show as seen in Figure 3. Click the OK button.
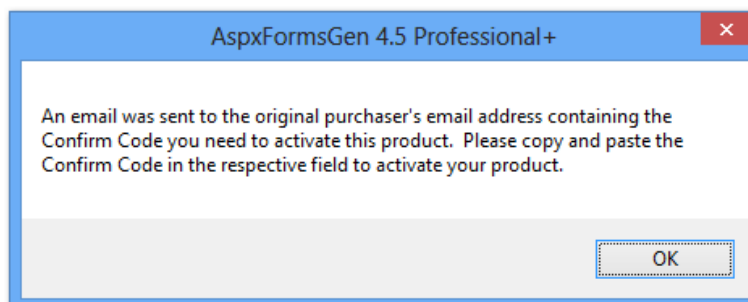

Figure 3 Confirm Code Sent

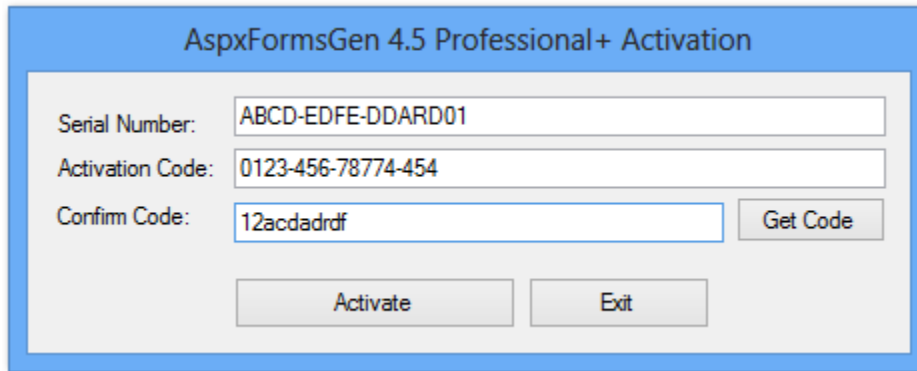Enter the *Confirm Code* in the respective box and then click the *Activate* button.

Figure 4 Enter Confirm Code

If you enter an invalid *Serial Number*, *Activation Code,* or *Confirm Code* a warning pops up. When this happens, click the *Ok* button (See Figure 5), then re-enter the *Serial Number*, *Activation Code,* and *Confirm Code* Again.
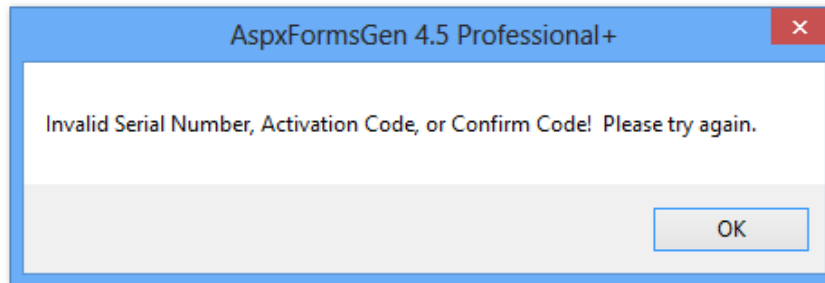

Figure 5 Invalid Serial Number, Activation Code, or Confirm Code

If you enter a valid *Serial Number*, *Activation Code* and *Confirm Code*, you will be presented with the main window of the application, see Figure 6. You will only see the activation form once. After that, you will always go straight to the main window.
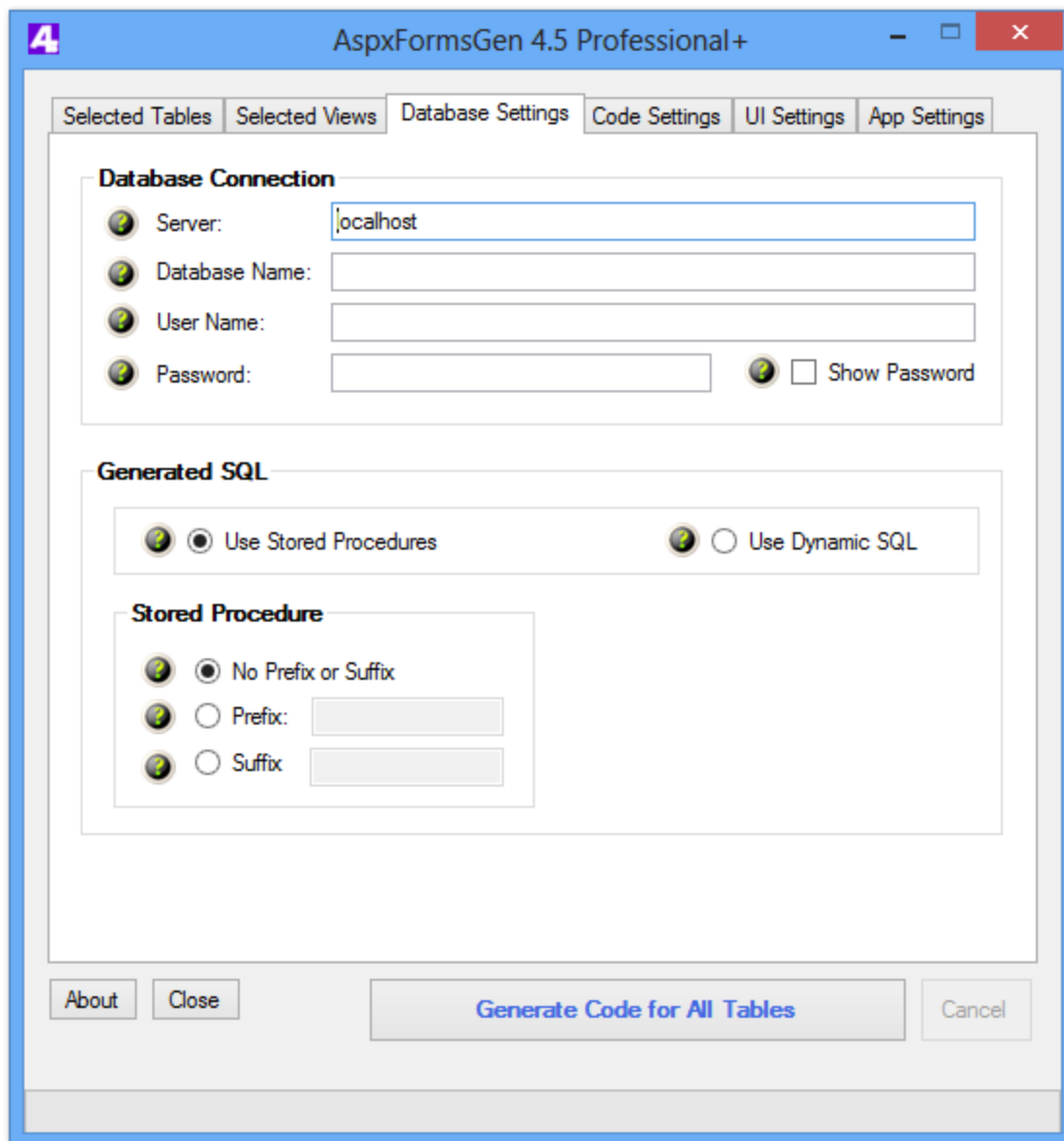
Figure 6 Main Window

A Simple Interface

To keep AspxFormsGen 4.5 simple, there's only one main interface as shown in Figure 5. The main window consists of six (6) tabs.

1. **Selected Tables**: AspxFormsGen generates code from all the tables in your database by default. You can choose to generate from selected tables only from the Code Settings tab, and then select just the tables to generate from on this tab.

2. **Selected Views**: You can choose to generate from selected views only from the Code Settings tab, and then select just the views to generate from on this tab.

3. **Database Settings**: This is where you enter the database you want to generate code from and whether you want to generate stored procedures or dynamic SQL. This is probably going to be your most used tab.

4. **Code Settings**: You'll find a selection here on where to generate your objects from: all tables, all views, selected tables, or selected views. This is also where you set the web site name, the root directory where you want the website to be generated, the namespace for your code, and most of all the language (either C# or VB.NET) you want the generated code to be in.

5. **UI Settings**: You can customize your own settings for the generated ASP.NET web forms here. You can choose themes for the GridView control and JQuery UI controls. You can also choose the kind of page validation. You can also select which web forms to generate and the folders or file prefix to use for each web page.

6. **App Settings**: These are application settings. Almost all generated code/web forms are overwritten every time you use AspxFormsGen 4.5. However, you can choose not to overwrite some key files from here. You can also reset all settings to its original default from here.

That seems like a lot of features, you're probably asking "*where's the One Click feature?*" Since AspxFormsGen 4.5 remembers the last settings you used such as, e.g. server, database name, directory, namespace, language etc., the next time you open AspxFormsGen 4.5, you can just click the Generate… button, that simple.

A Quick Tour

Let's learn how to generate ASP.NET 4.5 Web Forms, middle-tier, and data-tier codes using AspxFormsGen 4.5. **We're going to use *Microsoft's Northwind database* for this demo. Please Google and download it.**   Or you can use your own database; just follow the steps shown below.

1. Click the "*Generate Code for All Tables*" button. Notice that an error pops up showing us the required fields to fill. See Figure 7.
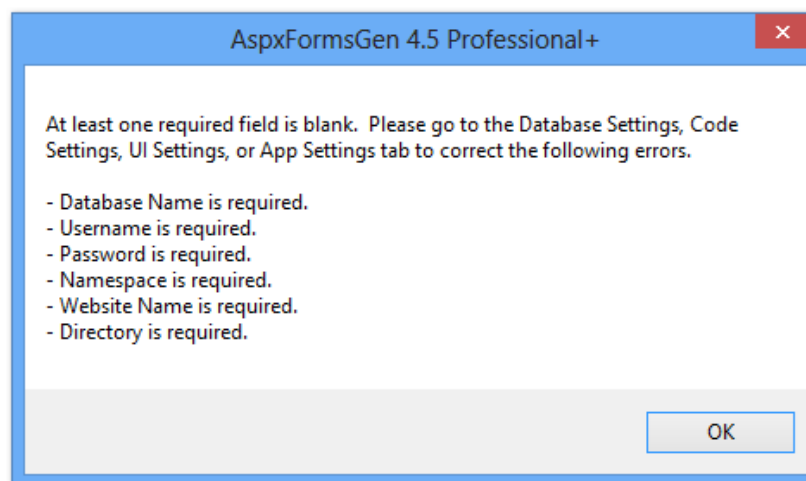

Figure 7 Error Message

2. Click the OK button to close the pop up. Go to the *Database Settings* tab and start filling the required fields. Do the same in the *Code Settings* tab. See Figures 8 and 9.

Figure 8 Database Settings Tab

Figure 9 Code Settings Tab

3. You can see the descriptions of each of these fields in the *Complete Guide* tutorial. For now, simply hover over the *Question Mark* image ⊘ if you need information from the respective fields.

4. Click the "*Generate Code for All Tables*" button. AspxFormsGen 4.5 will start generating objects. See Figure 10.
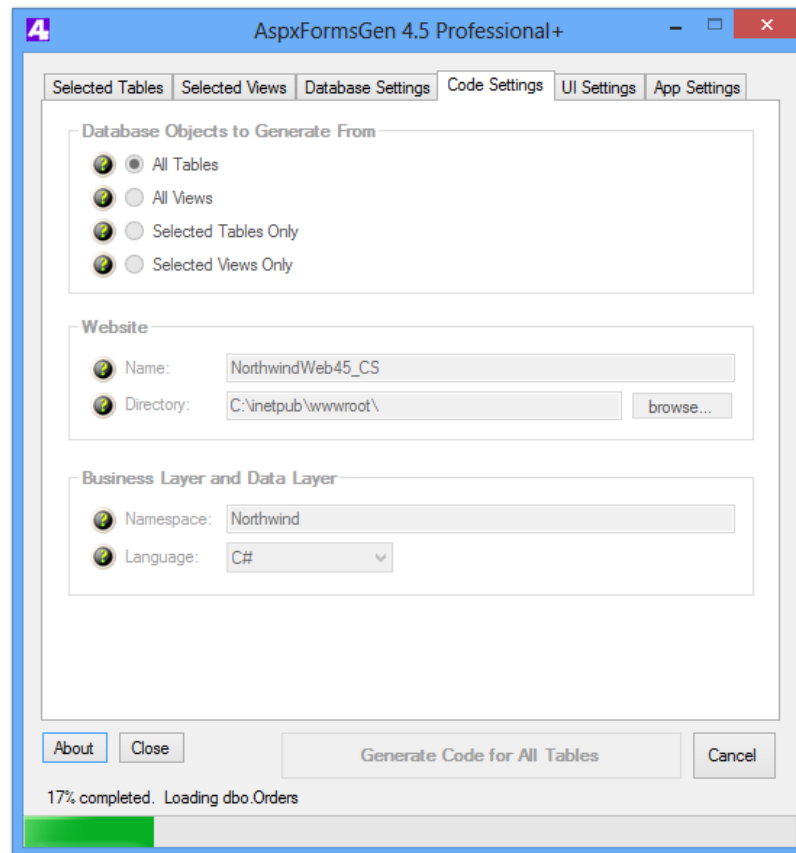

Figure 10 Generating Code

5. Wait for a few seconds. When AspxFormsGen 4.5 is done generating objects, a message pops up. See Figure 11.
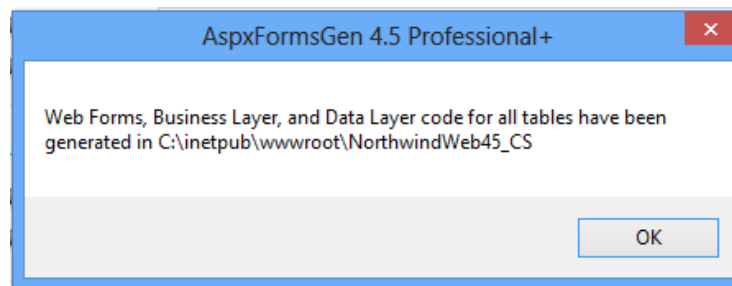
Figure 11 Done Generating Objects

6. Click the *OK* button to close the message. Then close AspxFormsGen 4.5 by clicking the *Close* button.

7. We're not going to go into any details on how to operate MS SQL Server Management Studio, but if you want to see the generated Stored Procedures, fire up MS SQL Server Management Studio, versions 2000, 2005, 2008, or 2012 then click on the *Stored Procedures* node of your respective database, for this example the *Northwind* database, you will see a list of generated stored procedures. See Figure 12.

- Northwind
  - Database Diagrams
  - Tables
  - Views
  - Synonyms
  - Programmability
    - Stored Procedures
      - System Stored Procedures
      - dbo.aspx_Categories_Delete
      - dbo.aspx_Categories_GetRecordCount
      - dbo.aspx_Categories_GetRecordCountWhereDynamic
      - dbo.aspx_Categories_Insert
      - dbo.aspx_Categories_SelectAll
      - dbo.aspx_Categories_SelectAllWhereDynamic
      - dbo.aspx_Categories_SelectByPrimaryKey
      - dbo.aspx_Categories_SelectDropDownListData
      - dbo.aspx_Categories_SelectSkipAndTake
      - dbo.aspx_Categories_SelectSkipAndTakeWhereDynamic
      - dbo.aspx_Categories_Update
      - dbo.aspx_CustomerCustomerDemo_Delete
      - dbo.aspx_CustomerCustomerDemo_GetRecordCount
      - dbo.aspx_CustomerCustomerDemo_GetRecordCountByCustomerID
      - dbo.aspx_CustomerCustomerDemo_GetRecordCountByCustomerTypeID
      - dbo.aspx_CustomerCustomerDemo_GetRecordCountWhereDynamic
      - dbo.aspx_CustomerCustomerDemo_Insert
      - dbo.aspx_CustomerCustomerDemo_SelectAll
      - dbo.aspx_CustomerCustomerDemo_SelectAllByCustomerID
      - dbo.aspx_CustomerCustomerDemo_SelectAllByCustomerTypeID
      - dbo.aspx_CustomerCustomerDemo_SelectAllWhereDynamic
      - dbo.aspx_CustomerCustomerDemo_SelectSkipAndTake
      - dbo.aspx_CustomerCustomerDemo_SelectSkipAndTakeByCustomerID
      - dbo.aspx_CustomerCustomerDemo_SelectSkipAndTakeByCustomerTypeID
      - dbo.aspx_CustomerCustomerDemo_SelectSkipAndTakeWhereDynamic
      - dbo.aspx_CustomerDemographics_Delete
      - dbo.aspx_CustomerDemographics_GetRecordCount
      - dbo.aspx_CustomerDemographics_GetRecordCountWhereDynamic
      - dbo.aspx_CustomerDemographics_Insert
      - dbo.aspx_CustomerDemographics_SelectAll
      - dbo.aspx_CustomerDemographics_SelectAllWhereDynamic
      - dbo.aspx_CustomerDemographics_SelectByPrimaryKey
      - dbo.aspx_CustomerDemographics_SelectDropDownListData
      - dbo.aspx_CustomerDemographics_SelectSkipAndTake
      - dbo.aspx_CustomerDemographics_SelectSkipAndTakeWhereDynamic
      - dbo.aspx_CustomerDemographics_Update
      - dbo.aspx_Customers_Delete
      - dbo.aspx_Customers_GetRecordCount
      - dbo.aspx_Customers_GetRecordCountWhereDynamic
      - dbo.aspx_Customers_Insert
      - dbo.aspx_Customers_SelectAll
      - dbo.aspx_Customers_SelectAllWhereDynamic
      - dbo.aspx_Customers_SelectByPrimaryKey
      - dbo.aspx_Customers_SelectDropDownListData
      - dbo.aspx_Customers_SelectSkipAndTake
      - dbo.aspx_Customers_SelectSkipAndTakeWhereDynamic
      - dbo.aspx_Customers_Update

Figure 12 Generated Stored Procedures

8. To view the generated web site, simply go to the directory you specified from the *Code Settings* tab of AspxFormsGen 4.5. You will see a list like the one shown in Figure 13.

Figure 13 Generated Web Site

9. To see the generated web site in action, fire up Visual Studio 2012. From the *File* menu click *Open Web Site* as shown in Figure 14.
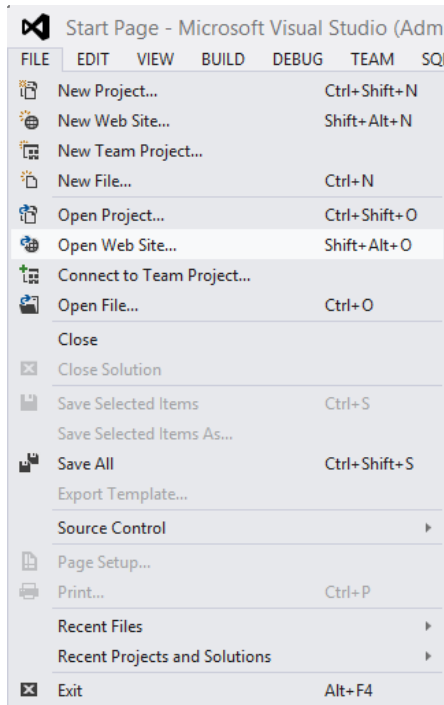
Figure 14 Visual Studio 2012, Open Web Site

10. Point to the web site directory, and then click *Open*. See Figure 15.
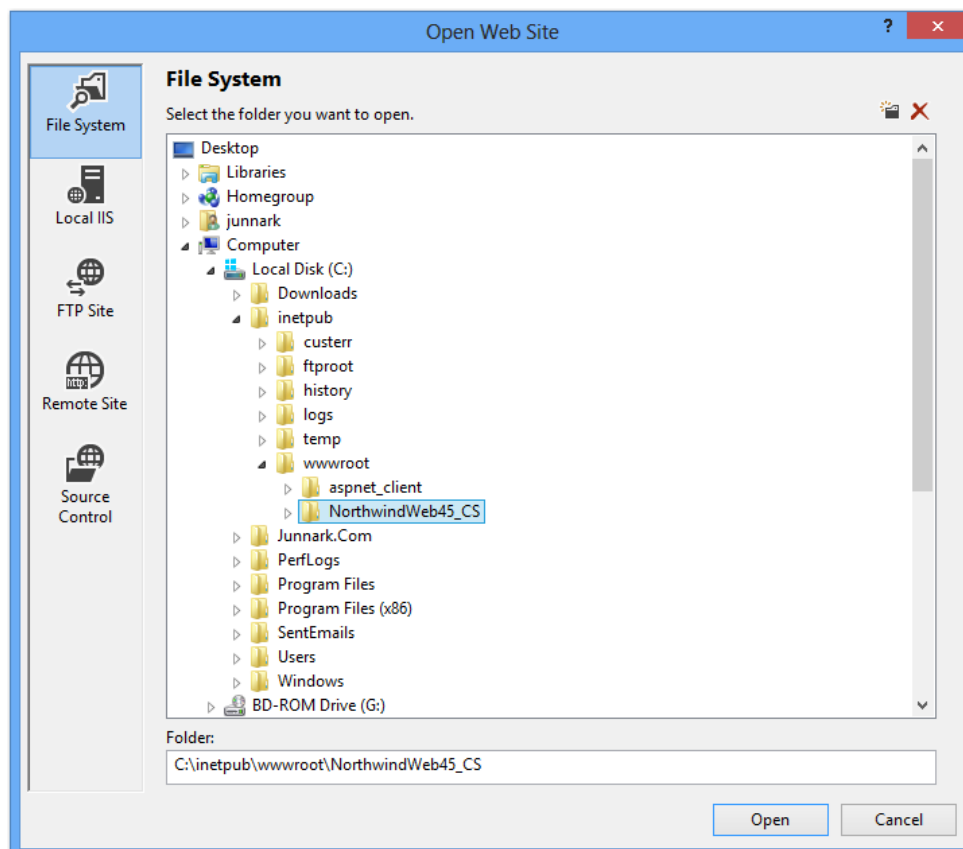
Figure 15 Generated Web Site

11. From the *Solution Explorer*, right-click on the *Default.htm* and then click *Set As Start Page*. See Figure 16.
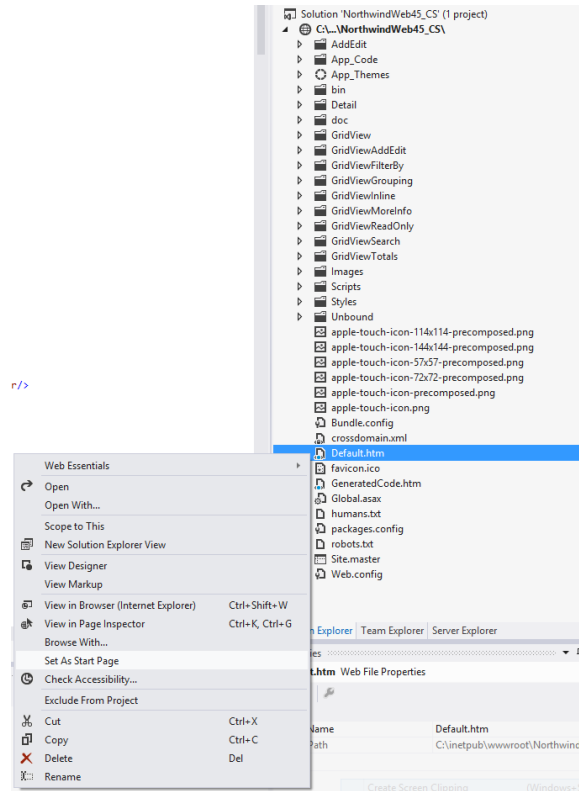
Figure 16 Set As Start Page

12. Run Visual Studio by pressing F5. You will see a list of all the generated ASP.NET 4.5 web forms. See Figure 17. You can click any link to preview the functionality of each of the generated web form. However, we're not going to discuss this in this tutorial. Please see the *Complete Guide* tutorial for more information.

Figure 17 List of Generated Web Forms

13. When you click any of the links you are redirected to that specific web page as seen in Figure 18. Play around to see the functionality of each web page.

Figure 18 Sample Generated Web Page (GridView w/ Add, Edit, Delete for Products Table)

14. Go back to the List of Generated Web Forms page (Figure 17). Click the link on the top left corner to see the List of Generated middle-tier classes, data-tier classes, and stored procedures (or dynamic SQL classes). See Figure 19. We're not going to discuss this in this tutorial. Please see the *Complete Guide* tutorial for more information.

Figure 19 List of Middle-Tier, Data-Tier, and Stored Procedures (or Dynamic SQL)

15. Close the web page and go back to Visual Studio 2012. The generated middle-tier and data-tier classes can be found under the *App_Code* folder. Please see Figure 20.
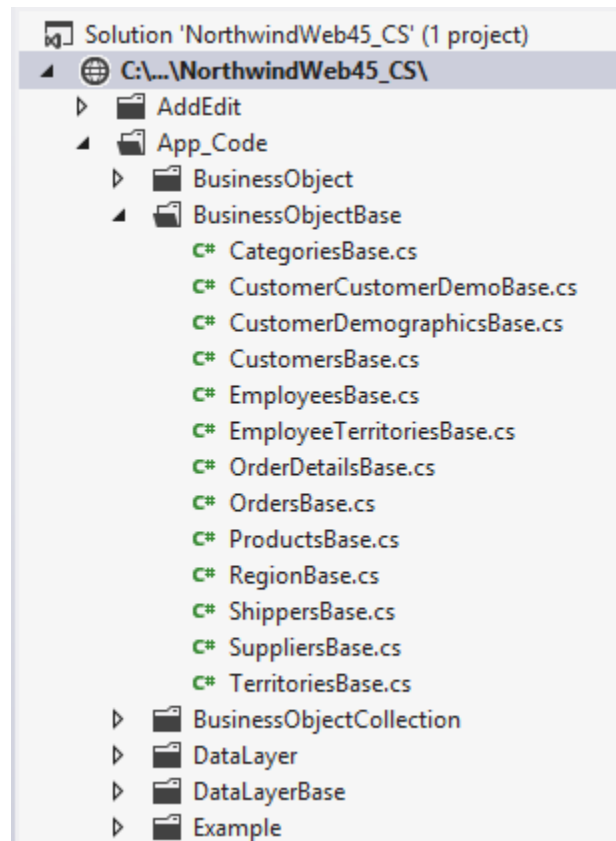

Figure 20 Middle-Tier and Data-Tier Classes Under App_Code Folder

Note: Some features shown here are not available in the Express Edition.

End of tutorial.