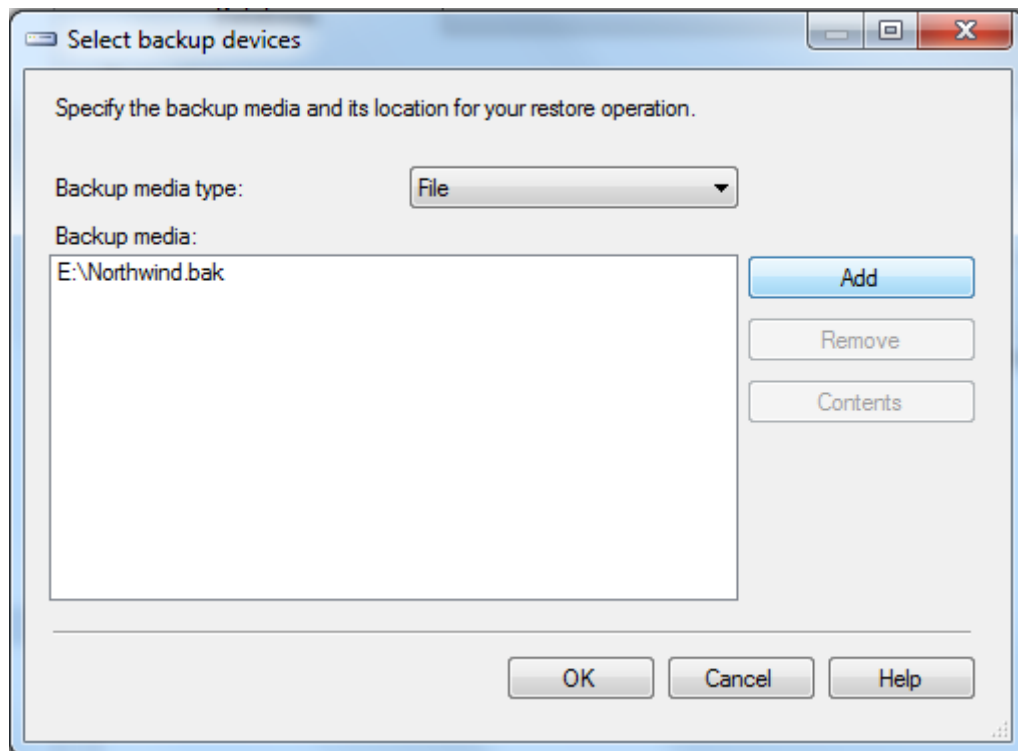
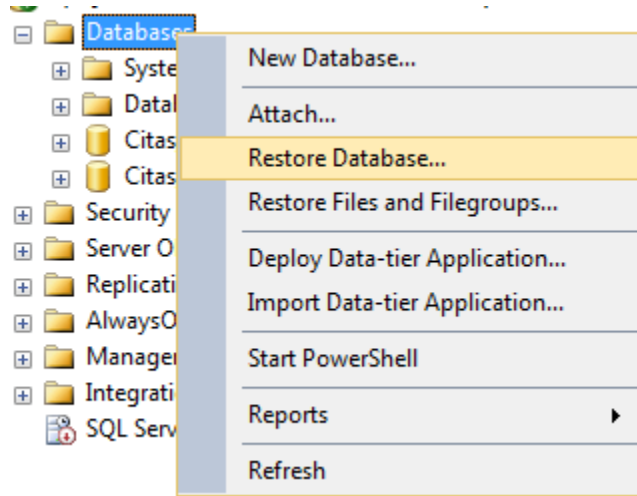


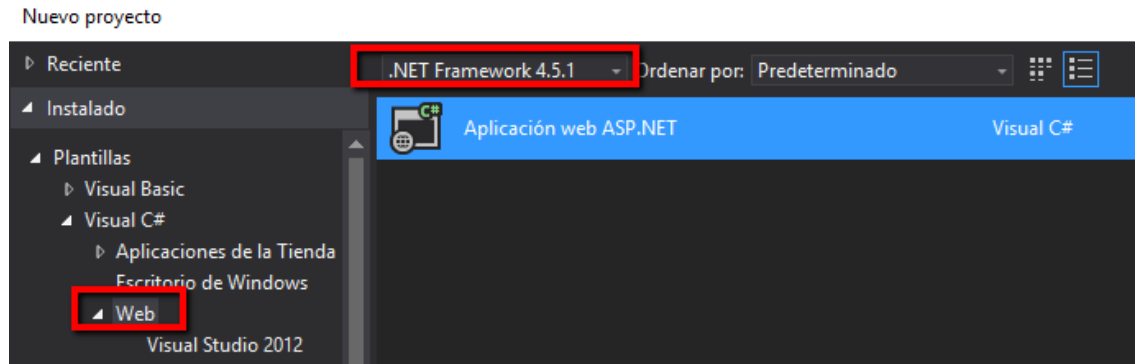
# jQWidgets

## Creación del proyecto

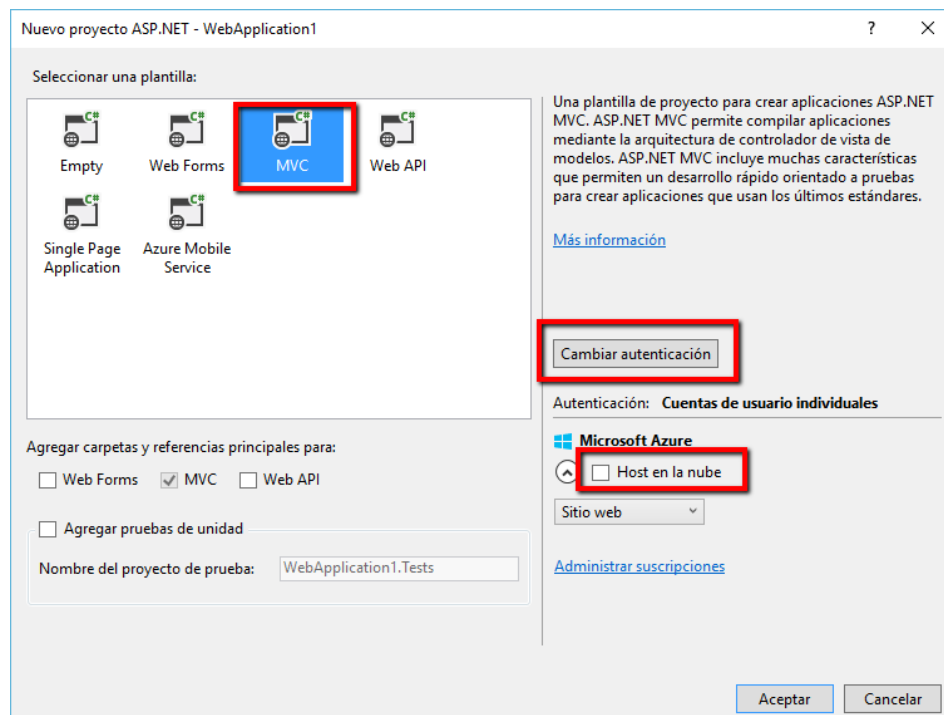
Restauramos la base de datos Northwind que se adjunta en Github.



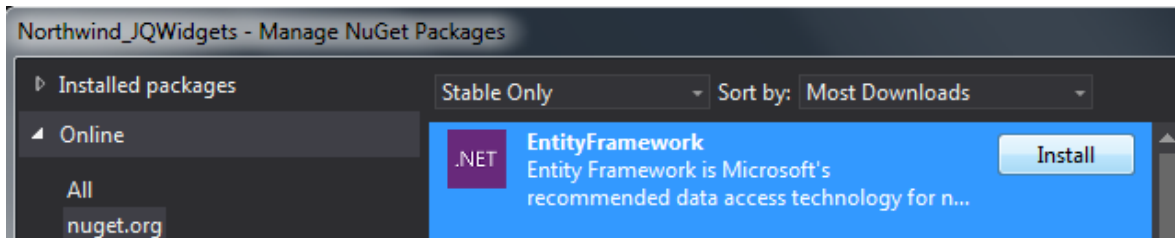
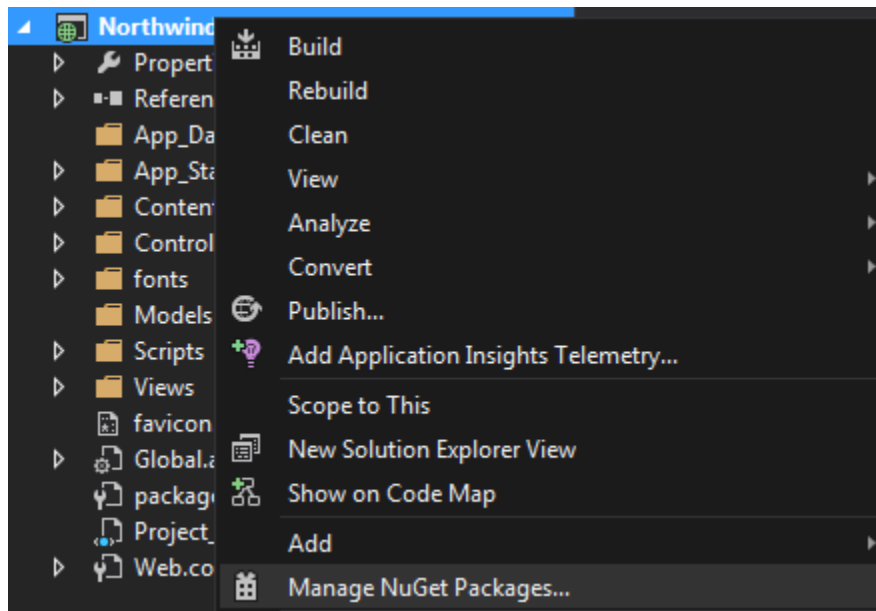
Crearemos una “Aplicación web ASP .NET” usando “.NET Framework 4.5.1”.



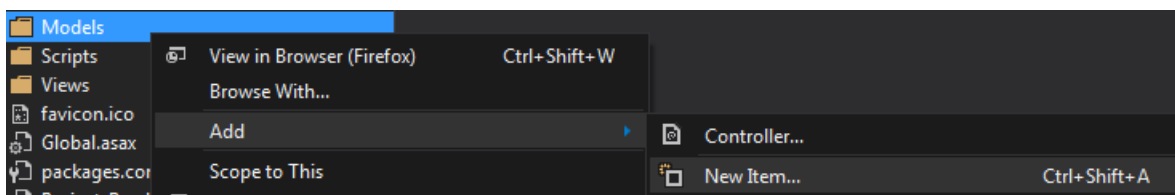
En la opción “Cambiar autenticación” seleccionamos “Sin autenticación”, así lo manejaremos en este proyecto. Igualmente no seleccionamos la opción “Host en la nube”. Y seleccionamos el proyecto MVC.

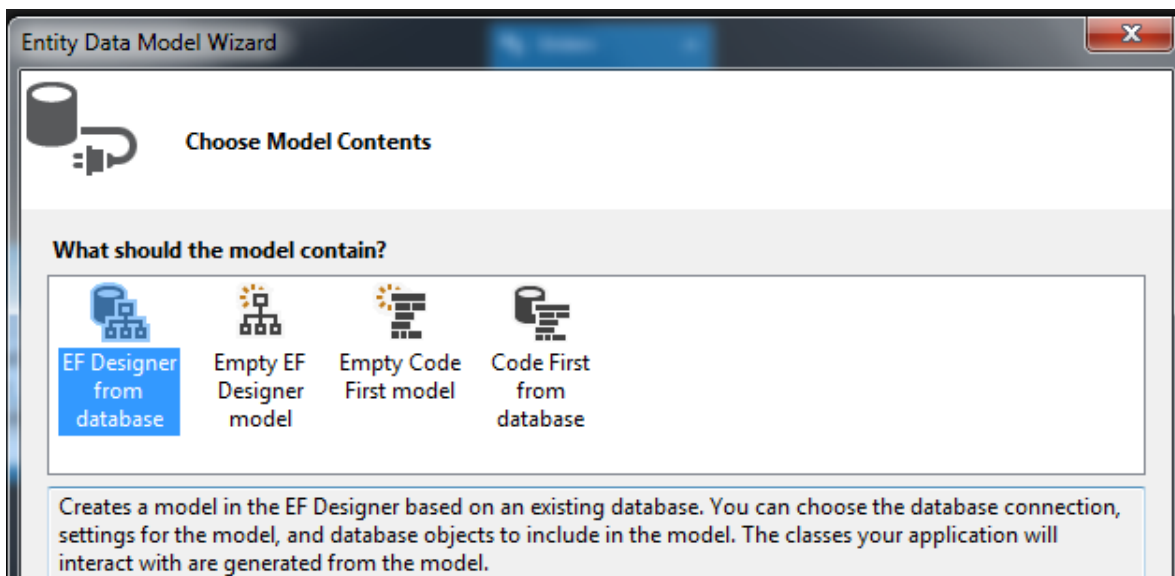
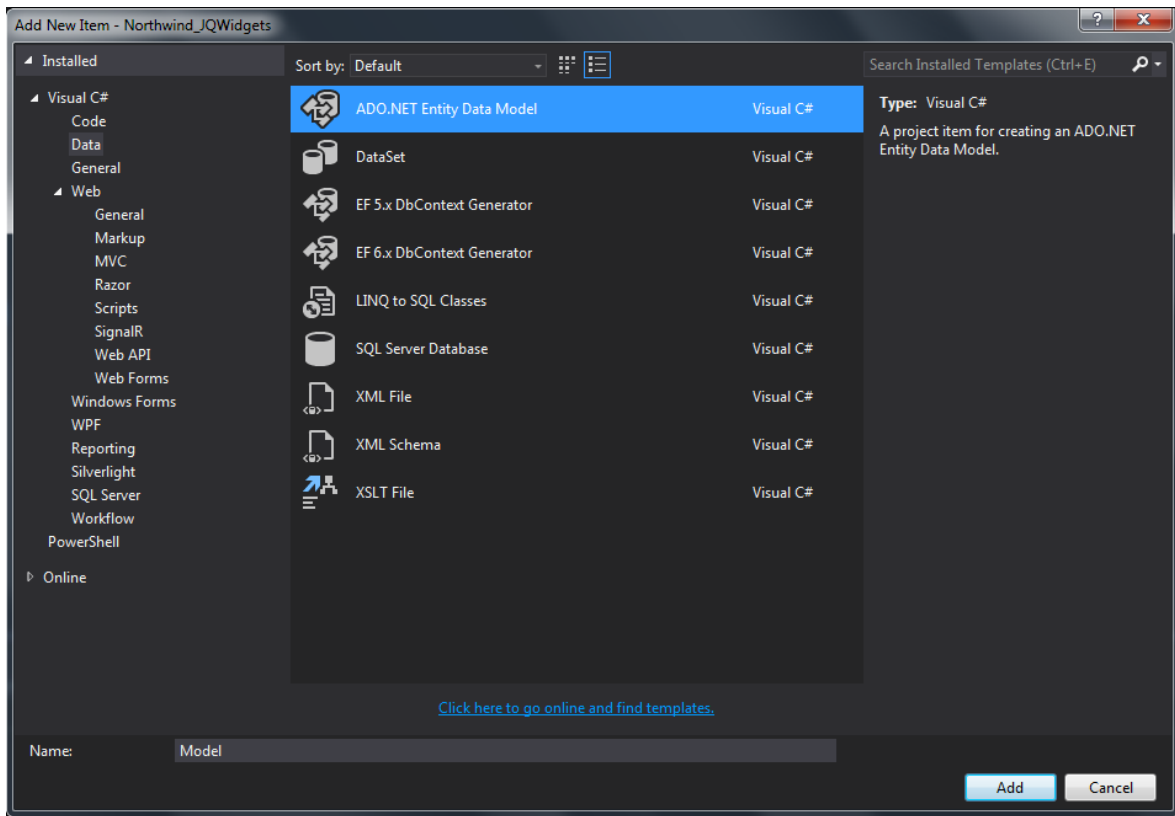


Administramos los paquetes NuGet y agregamos Entity Framework



Agregamos el modelo de clases.





Choose Data Source

Data source:

- Microsoft SQL Server
- Microsoft SQL Server Database File
- <other>

Description

Use this selection to connect to Microsoft SQL Server 2005 or above, or to Microsoft SQL Azure using the .NET Framework Data Provider for SQL Server.

Data provider:

.NET Framework Data Provider for SQL S ▼

☒ Always use this selection

Continue Cancel

Connection Properties

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source:  
Microsoft SQL Server (SqlClient) Change...

Server name:  
. Refresh

Log on to the server

☒ Use Windows Authentication

☐ Use SQL Server Authentication

User name:

Password:

☐ Save my password

Connect to a database

☒ Select or enter a database name:  
NORTHWND


☐ Attach a database file:  
 Browse...

Logical name:

Advanced...

Test Connection OK Cancel

Entity Data Model Wizard

 Choose Your Data Connection

Which data connection should your application use to connect to the database?

NORTHWNDEntities (Northwind\_JQWidgets) New Connection...

This connection string appears to contain sensitive data (for example, a password) that is required to connect to the database. Storing sensitive data in the connection string can be a security risk. Do you want to include this sensitive data in the connection string?

☐ No, exclude sensitive data from the connection string. I will set it in my application code.

☐ Yes, include the sensitive data in the connection string.

Connection string:

metadata=res://\*/Models.Model1.csdl|res://\*/Models.Model1.ssdl|  
res://\*/Models.Model1.msl;provider=System.Data.SqlClient;provider connection string="data  
source=.;initial catalog=NORTHWND;integrated security=True;multipleactiveresultsets=True;application  
name=EntityFramework"

☒ Save connection settings in Web.Config as:

NORTHWNDEntities


< Previous

Next >

Finish

Cancel

Entity Data Model Wizard

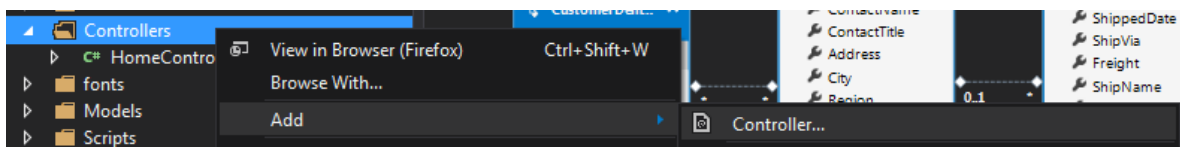
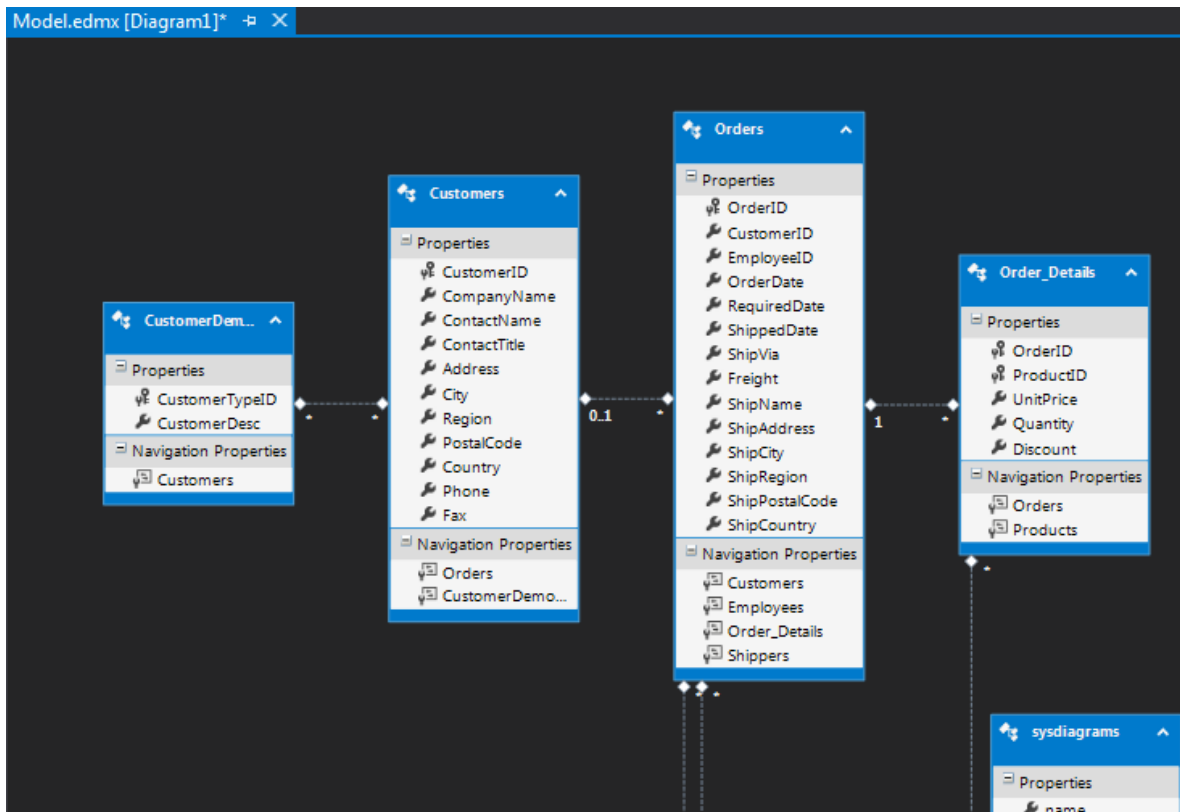
 Choose Your Database Objects and Settings

Which database objects do you want to include in your model?

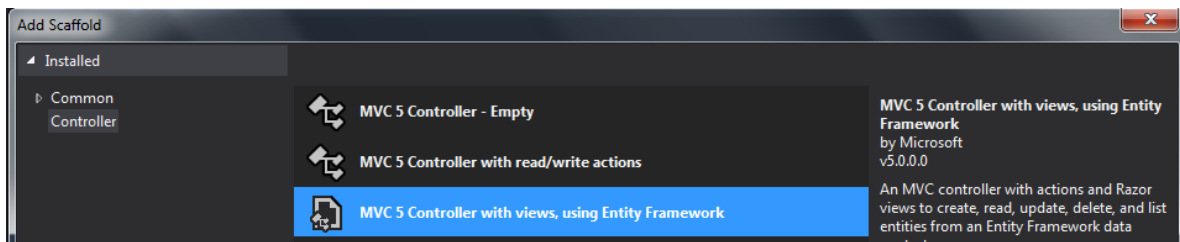
☒ Tables

☐ Views

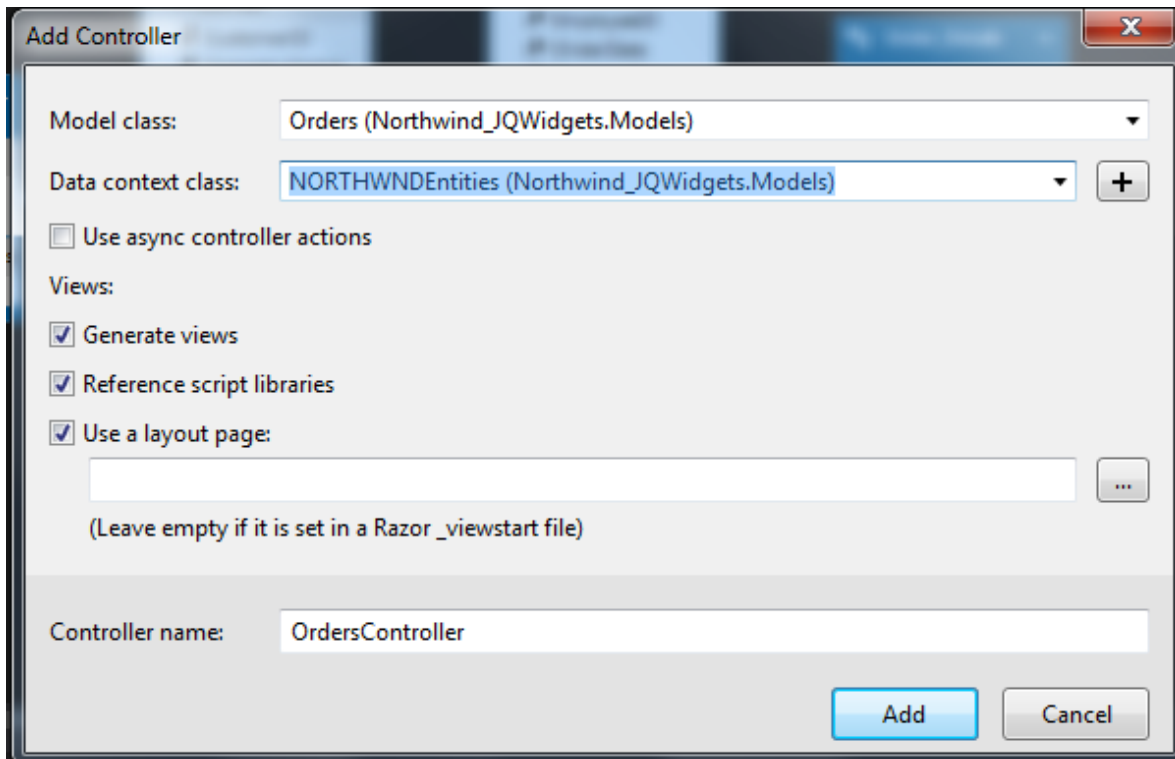
☐ Stored Procedures and Functions



Generamos las vistas.



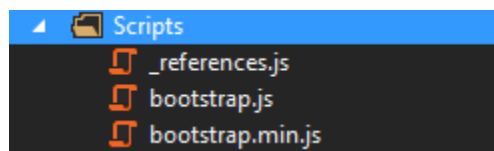


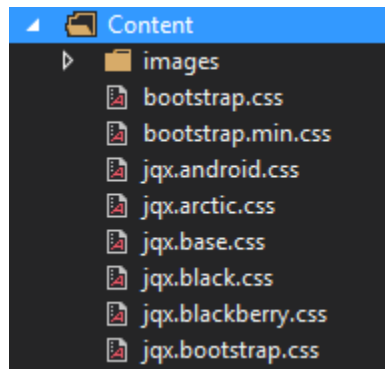


Así es como luce clasicamente las grillas. A continuación se usará jqWidgets para hacer más vistoso el programa y dinámico.

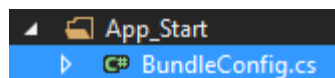
OrderDate	RequiredDate	ShippedDate	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode	ShipCountry	CompanyName	LastName
04/07/1996 12:00:00 a.m.	01/08/1996 12:00:00 a.m.	16/07/1996 12:00:00 a.m.	32.38	Vins et alcools Chevalier	59 rue de l'Abbaye	Reims		51100	France	Vins et alcools Chevalier	Buchanan
05/07/1996 12:00:00 a.m.	16/08/1996 12:00:00 a.m.	10/07/1996 12:00:00 a.m.	11.61	Toms Spezialitäten	Luisenstr. 48	Münster		44087	Germany	Toms Spezialitäten	Suyama
08/07/1996 12:00:00 a.m.	05/08/1996 12:00:00 a.m.	12/07/1996 12:00:00 a.m.	65.83	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil	Hanari Carnes	Peacock

Dentro de la sección de Scripts y Content agregamos los archivos de jqWidgets que se encuentran adjuntos en la solución.





En la clase BundleConfig creamos un contenedor de los archivos de jqWidgets que posteriormente usaremos.



```
//JQWidgets
bundles.Add(new ScriptBundle("~/bundles/jqwidgets").Include(
    "~/Scripts/jqxcare.js",
    "~/Scripts/jqxdata.js",
    "~/Scripts/jqxgrid.js",
    "~/Scripts/jqxgrid.selection.js",
    "~/Scripts/jqxgrid.pager.js",
    "~/Scripts/jqxlistbox.js",
    "~/Scripts/jqxbuttons.js",
    "~/Scripts/jqxscrollbar.js",
    "~/Scripts/jqxdatatable.js",
    "~/Scripts/jqxtreegrid.js",
    "~/Scripts/jqxmenu.js",
    "~/Scripts/jqxcalendar.js",
    "~/Scripts/jqxgrid.sort.js",
    "~/Scripts/jqxgrid.filter.js",
    "~/Scripts/jqxdatetimeinput.js",
    "~/Scripts/jqxdropdownlist.js",
    "~/Scripts/jqxslider.js",
```

```
BundleConfig.cs  _Layout.cshtml X
<div>
    <div>
        @Html.ActionLink("Application name", "Index", "Home")
    </div>
    <div class="navbar-collapse collapse">
        <ul class="nav navbar-nav">
            <li>@Html.ActionLink("Home", "Index", "Home")</li>
            <li>@Html.ActionLink("About", "About", "Home")</li>
            <li>@Html.ActionLink("Contact", "Contact", "Home")</li>
            <!--Nuevas vistas-->
            <li>@Html.ActionLink("Orders", "Index", "Orders")</li>
        </ul>
    </div>
</div>
<div class="container body-content">
    @RenderBody()
    <hr />
    <footer>
        <p>&copy; @DateTime.Now.Year - My ASP.NET Application</p>
    </footer>
</div>

@Scripts.Render("~/bundles/jquery")
@Scripts.Render("~/bundles/bootstrap")
<!--JQWidgets-->
@Scripts.Render("~/bundles/jqwidgets")
```

Todos los ejemplos mostrados en la demo se basan en la documentación que ofrece jqWidgets y se encuentra la información de los elementos usados al final de este documento.

Por mencionar conceptos importantes, estos elementos trabajan con JsonResult. Por ejemplo:

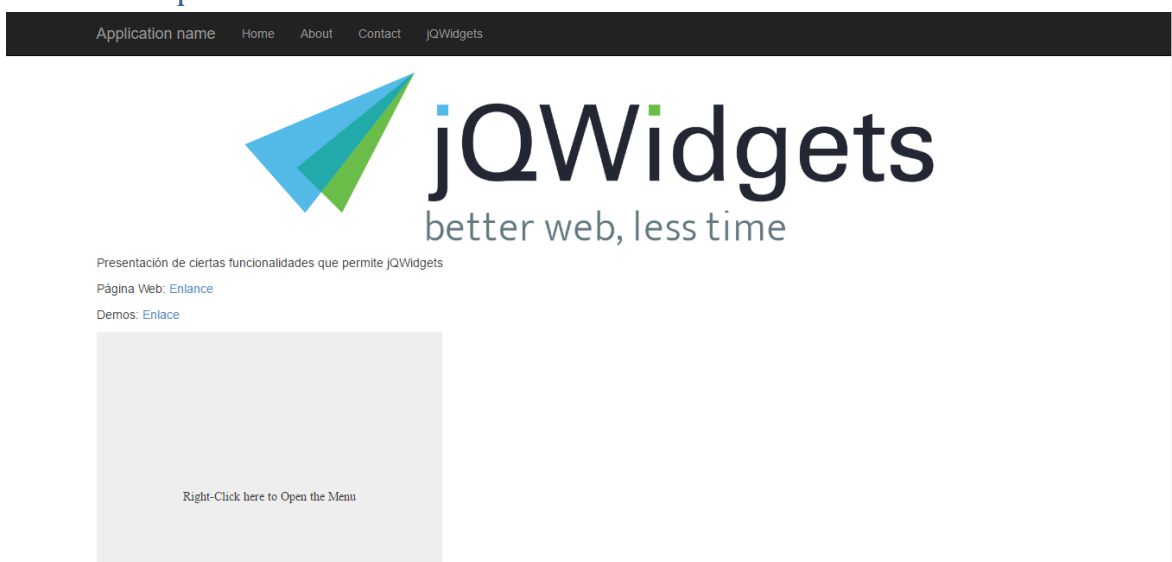
```
OrdersController.cs  BundleConfig.cs  _Layout.cshtml
Northwind_JQWidgets
Northwind_JQWidgets.Controllers.OrdersController

{
    db.Dispose();
}
base.Dispose(disposing);
}

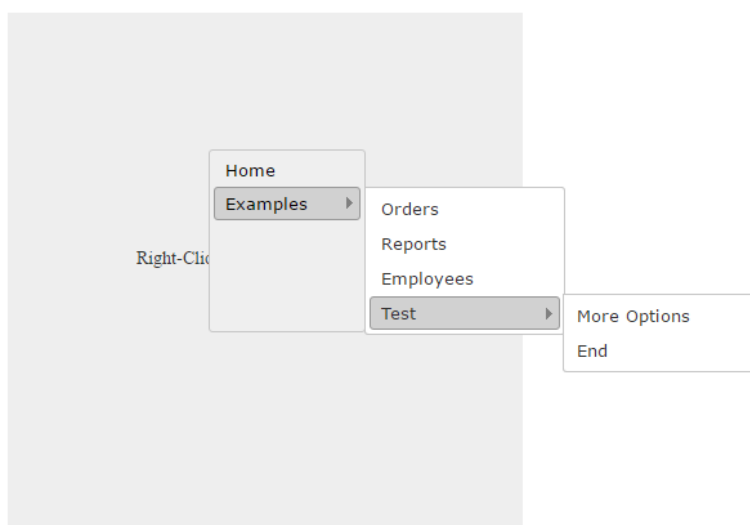
References
public JsonResult GetEmployees()
{
    var dbResult = db.Orders.ToList();
    var orders = (from row in dbResult
                  select new
                  {
                      row.OrderID, row.CustomerID, row.EmployeeID,
                      row.OrderDate, row.RequiredDate, row.ShippedDate,
                      row.ShipVia, row.Freight, row.ShipName, row.ShipAddress,
                      row.ShipCity, row.ShipRegion, row.ShipPostalCode, row.ShipCountry
                  });
    return Json(orders, JsonRequestBehavior.AllowGet);
}
}
```

Durante la presentación en clase se explicará sobre lo mencionado. Existen muchas herramientas que serán bien útiles, se recomienda visitar la página web.

## Vista Principal



## jqxMenu



## jqxNavBar



jqxGrid

Index

Create New

CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
VINET	5	7/4/1996	8/1/1996	7/16/1996	3	32.38	Vins et alco
TOMSP	6	7/5/1996	8/16/1996	7/10/1996	1	11.61	Toms Spe
HANAR	4	7/8/1996	8/5/1996	7/12/1996	2	65.83	Hanari Ca
VICTE	3	7/8/1996	8/5/1996	7/15/1996	1	41.34	Victuailles
SUPRD	4	7/9/1996	8/6/1996	7/11/1996	2	51.3	Suprêmes
HANAR	3	7/10/1996	7/24/1996	7/16/1996	2	58.17	Hanari Ca
CHOPS	5	7/11/1996	8/8/1996	7/23/1996	2	22.98	Chop-suey
RICSU	9	7/12/1996	8/9/1996	7/15/1996	3	148.33	Richter Su
WELLI	3	7/15/1996	8/12/1996	7/17/1996	2	13.97	Wellington
HILAA	4	7/16/1996	8/13/1996	7/22/1996	3	81.91	HILARION

Go to page: 1 Show rows: 10 1-10 of 830

Options

Edit Selected Row Delete Selected Row

Exporta Data

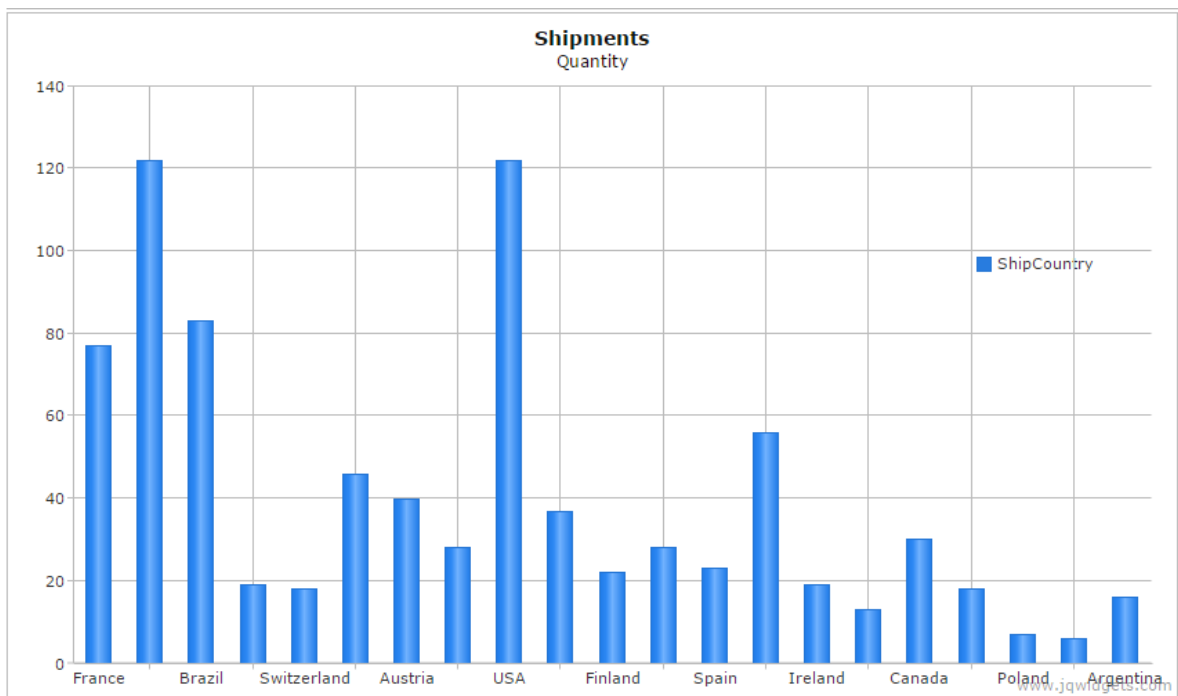
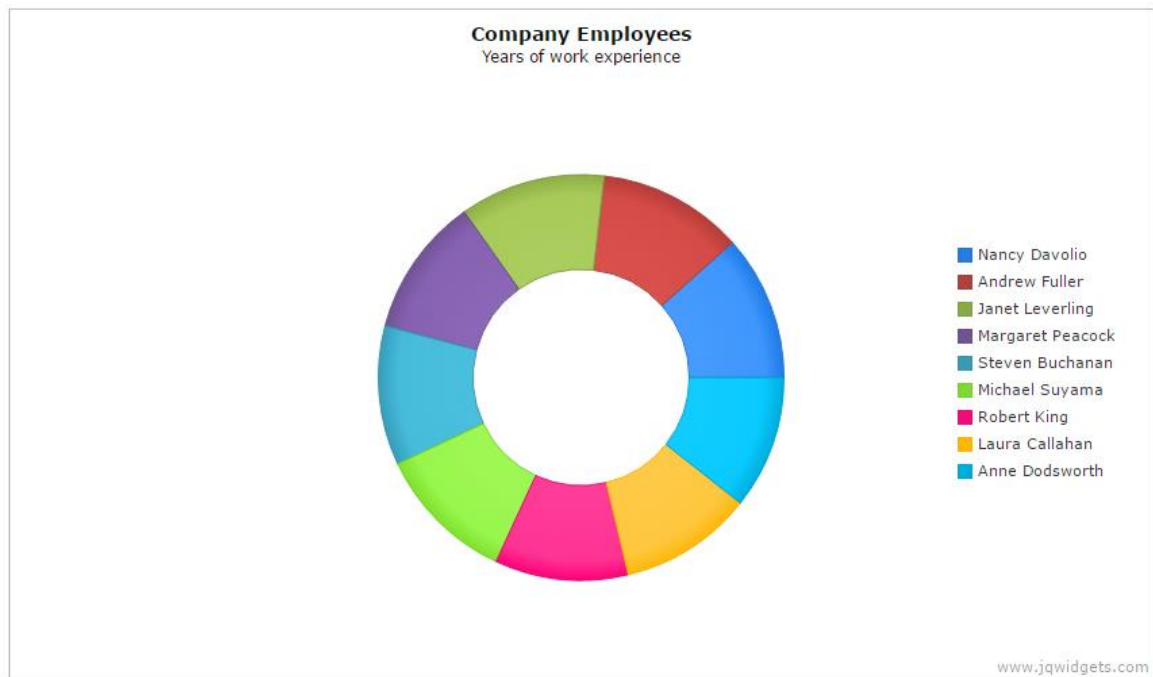
- Export to ExcelExport to XML
- Export to CSVExport to TSV
- Export to HTMLExport to JSON
- Export to PDF

Imprimir

Print

jqxChart

Index




## jqxListMenu


[Create New](#)

Back


B


Buchanan Steven

C


Callahan Laura

D


Davolio Nancy

Dodsworth Anne

F

Fuller Andrew

K



Back

B



### Buchanan Steven

Title Sales Manager

Notes Steven Buchanan graduated from St. Andrews University, Scotland, with a BSC degree in 1976. Upon joining the company as a sales representative in 1992, he spent 6 months in an orientation program at the Seattle office and then returned to his permanent post in London. He was promoted to sales manager in March 1993. Mr. Buchanan has completed the courses "Successful Telemarketing" and "International Sales Management." He is fluent in French.

Birth Date 04/03/1955 12:00:00 a.m.

Hire Date 17/10/1993 12:00:00 a.m.

Home Phone (71) 555-4848

Address 14 Garrett Hill

Postal Code SW1 8JR

City London

Country UK

Options [Edit](#) | [Details](#) | [Delete](#)

## Referencias

- ✓ Demos para ASP NET:
  - Link: <http://www.jqwidgets.com/jquery-widgets-demo/demos/aspnetmvc/index.htm>
- ✓ Grilla que permite filtrar, paginar, imprimir, exportar en otros formatos, etc
  - Elemento: jqxGrid
    - Link: <http://www.jqwidgets.com/jquery-widgets-demo/demos/jqxgrid/index.htm#demos/jqxgrid/defaultfunctionality.htm>
- ✓ Interactuar con los elementos seleccionados en la grilla para realizar un CRUD:
  - Elemento: jqxGrid
    - Link: <http://www.jqwidgets.com/community/topic/opening-a-new-view-from-jqxgrid-edit-button/>
    - Link: <http://www.jqwidgets.com/jquery-widgets-documentation/documentation/asp.net-integration/asp.net-grid-crud.htm>
- ✓ Desplazarse a las vistas que muestran las demos de jqWidgets
  - Elemento: jqxMenu



- Link: <http://www.jqwidgets.com/jquery-widgets-demo/demos/jqxmenu/index.htm#demos/jqxmenu/contextmenu.htm>
- Elemento: jqxNavBar
  - Link: <http://www.jqwidgets.com/jquery-widgets-demo/demos/jqxnavbar/index.htm#demos/jqxnavbar/minimized.htm>
- ✓ Listar los empleados
  - Elemento: jqxListMenu
  - Link: <http://www.jqwidgets.com/jquery-widgets-demo/demos/jqxlistmenu/index.htm#demos/jqxlistmenu/defaultfunctionality.htm>
- ✓ Reportes gráficos
  - Elemento jqxChart
  - Link: <http://www.jqwidgets.com/jquery-widgets-demo/demos/jqxchart/index.htm>