

# ASP.NET MVC



# Agenda

- A1: Introducción
- A2: Reglas de CSS
- A3: Colores
- A4: Texto
- A5: Cajas
- A6: Formularios, Listas y Tablas
- A7: Layout



# PARTE 1: INTRODUCCIÓN

# A1: MVC

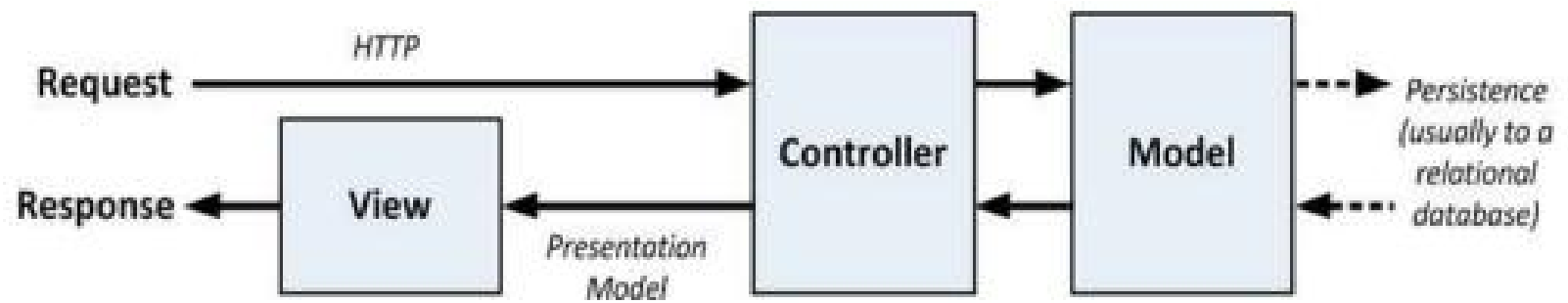
## MVC Framework

Framework para la construcción de aplicaciones Web que aplica el patrón MVC al Framework de ASP.NET

No viene a remplazar los Web Forms. Se convierte en una alternativa más para los desarrolladores

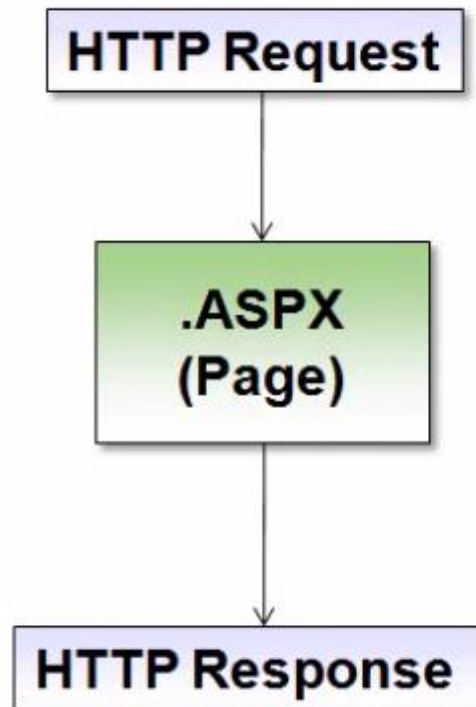
Produce URL's y código HTML más claro

# A1: MVC

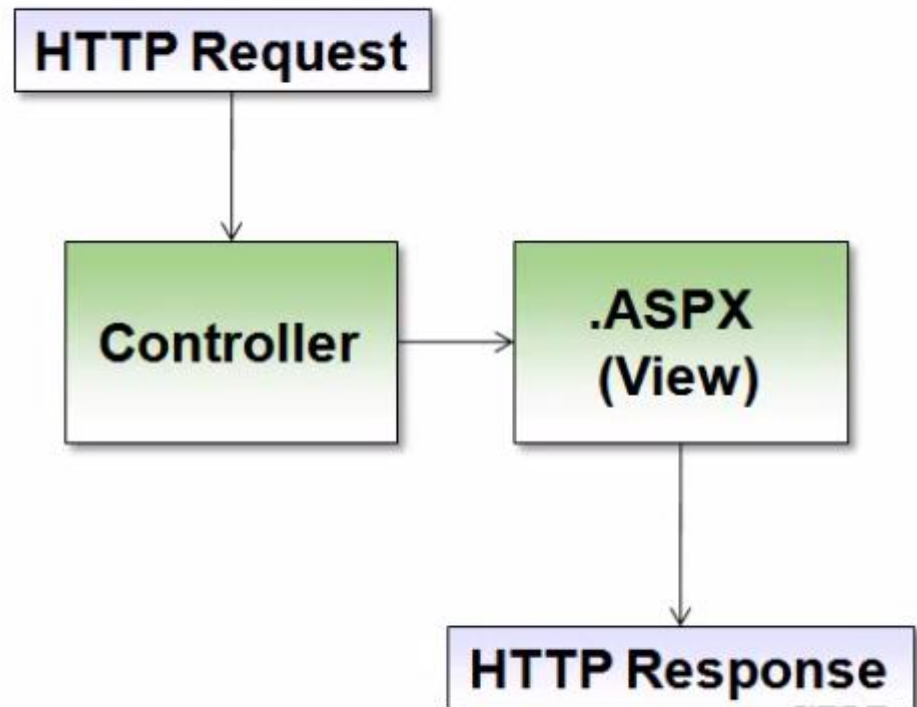


# A1: MVC

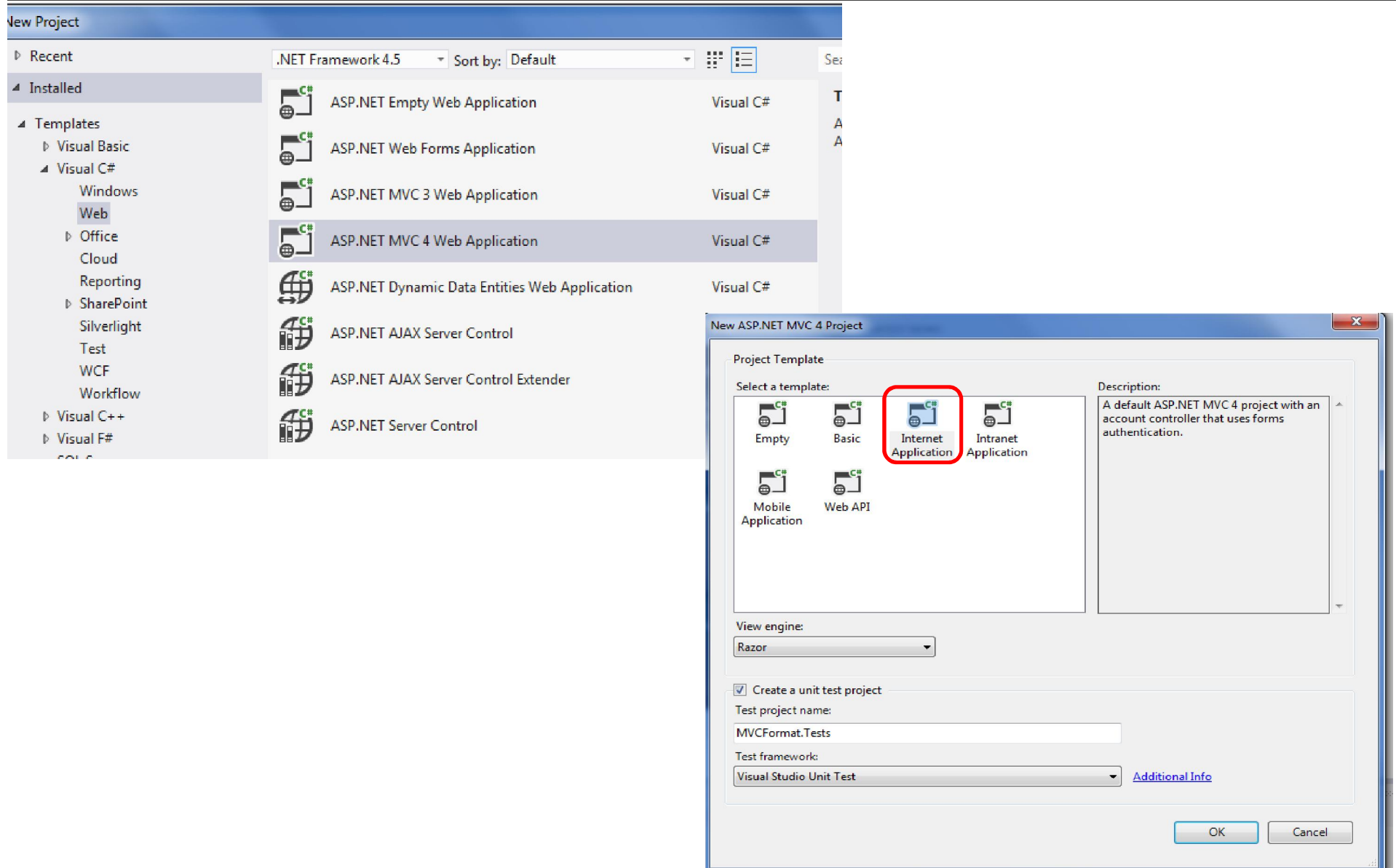
## ASP.NET Web Forms



## ASP.NET MVC



# A1: MVC



# A1: MVC

your logo here

Register

Log in

Home

About

Contact

## Home Page. Modify this template to jump-start your ASP.NET MVC application.

To learn more about ASP.NET MVC visit <http://asp.net/mvc>. The page features **videos, tutorials, and samples** to help you get the most from ASP.NET MVC. If you have any questions about ASP.NET MVC visit [our forums](#).

### We suggest the following:

1

#### Getting Started

ASP.NET MVC gives you a powerful, patterns-based way to build dynamic websites that enables a clean separation of concerns and that gives you full control over markup for enjoyable, agile development. ASP.NET MVC includes many features that enable fast, TDD-friendly development for creating sophisticated applications that use the latest web standards. [Learn more...](#)

2

#### Add NuGet packages and jump-start your coding

NuGet makes it easy to install and update free libraries and tools. [Learn more...](#)

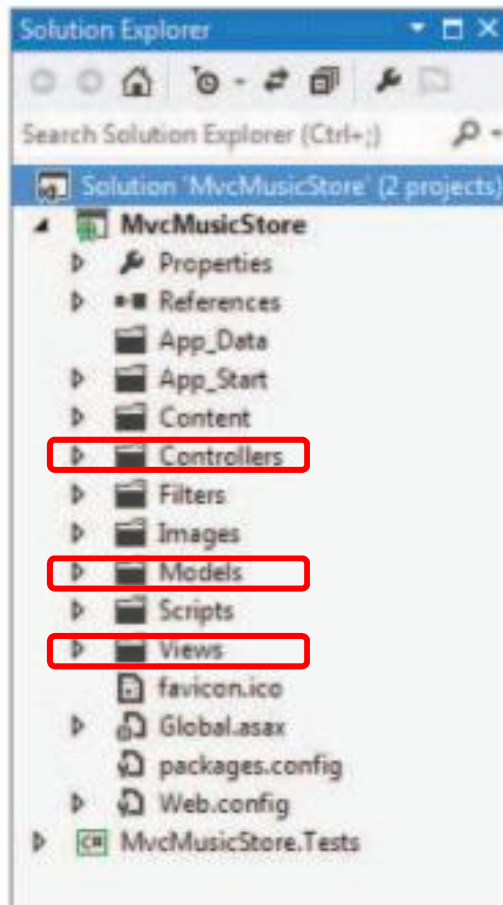
3

#### Find Web Hosting

You can easily find a web hosting company that offers the right mix of features and price for your applications. [Learn more...](#)

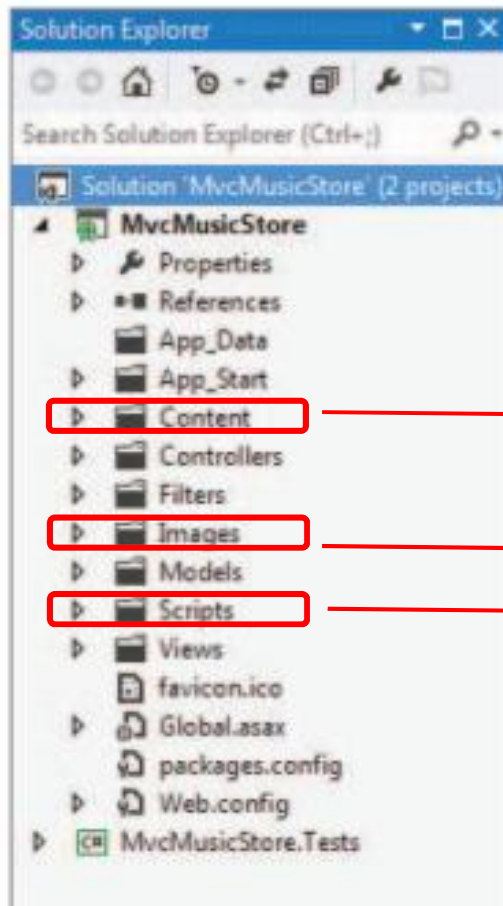


# A1: MVC



Carpetas para  
almacenar los  
componentes  
básicos del MVC

# A1: MVC

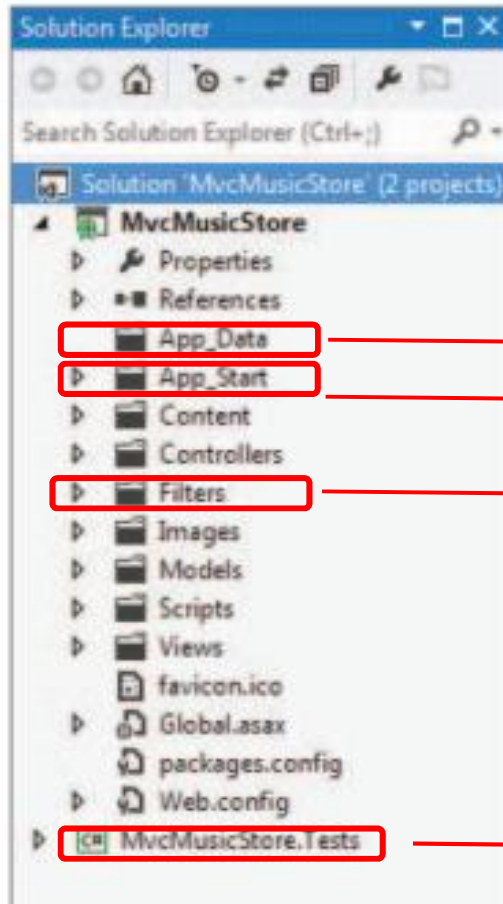


CSS

Imágenes

Archivos JavaScript

# A1: MVC



Referencia a elementos de almacenamiento

Archivos de configuración

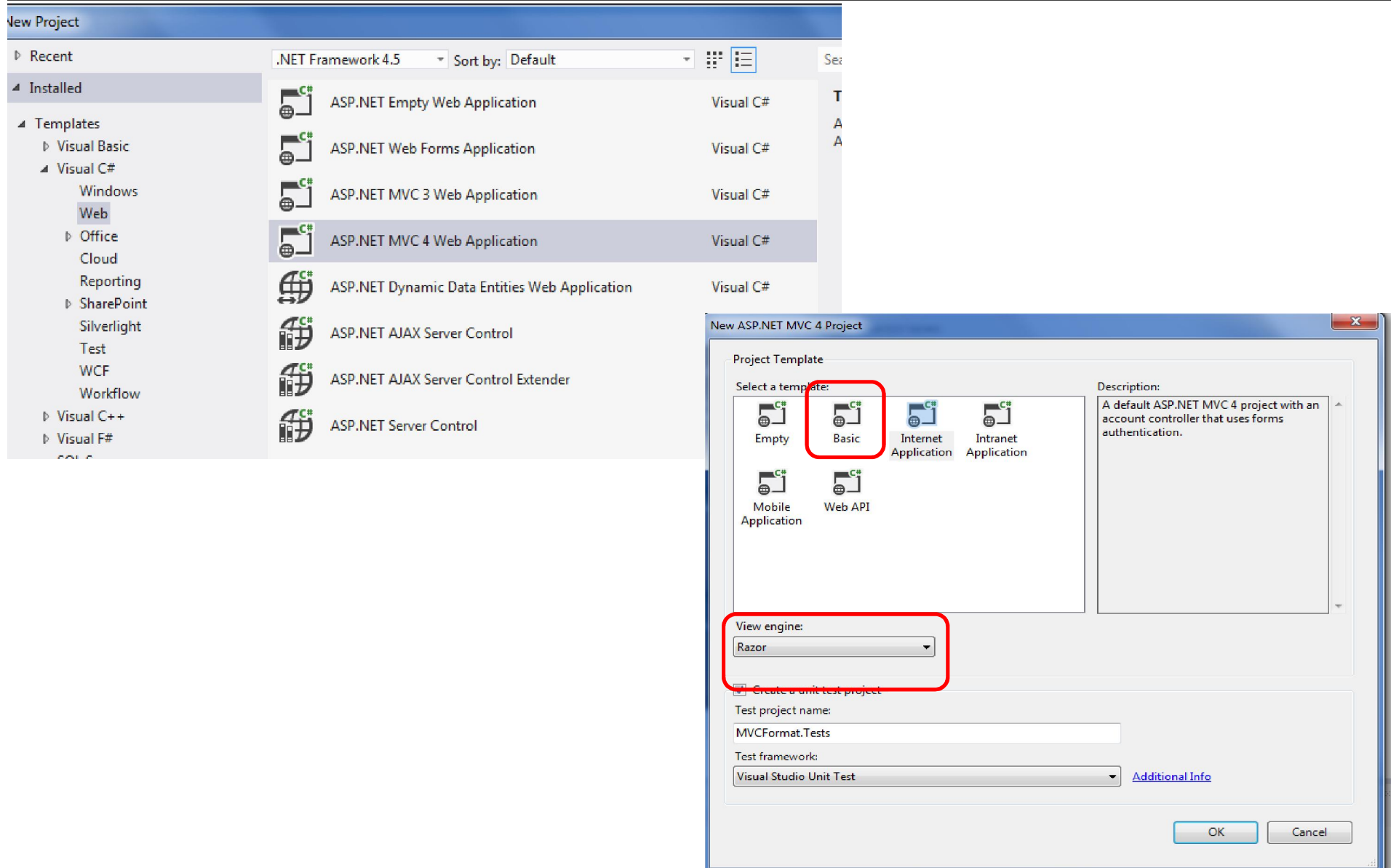
Controles de Filtros

Proyecto de pruebas



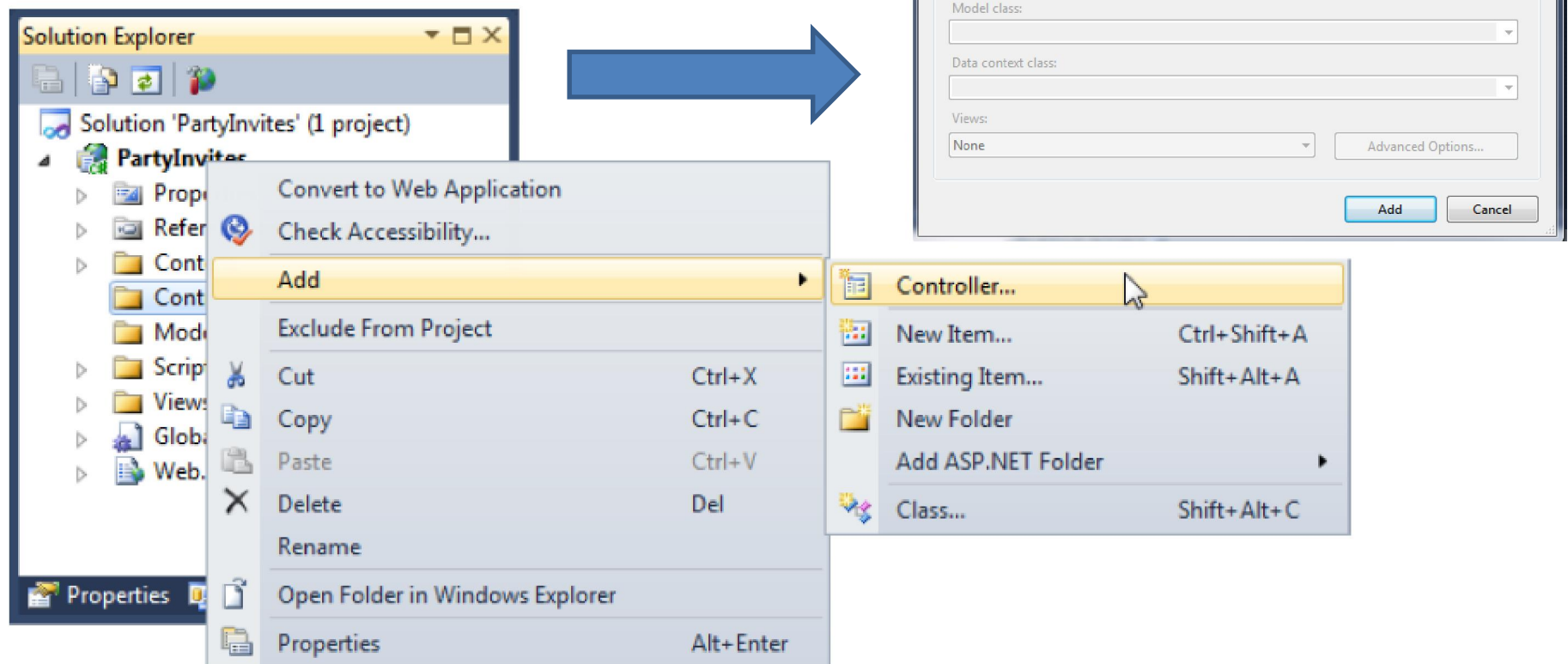
## PARTE 2: EJEMPLO BÁSICO

# A2: MVC: Ejemplo Básico: Crear Proyecto



# A2: MVC: Ejemplo Básico: Controller

- Agregar el HomeController



## A2: MVC: Ejemplo Básico: Controller

- Lógica del controlador
- Enrutamiento

```
public class HomeController : Controller
{
    //
    // GET: /Home/

    public ActionResult Index()
    {
        return View();
    }
}
```

## A2: MVC: Ejemplo Básico: Controller

- Error de ejecución

### Server Error in '/' Application.

*The view 'Index' or its master was not found. The following locations were searched:*

*~/Views/Home/Index.aspx  
~/Views/Home/Index.ascx  
~/Views/Shared/Index.aspx  
~/Views/Shared/Index.ascx  
~/Views/Home/Index.cshtml  
~/Views/Home/Index.vbhtml  
~/Views/Shared/Index.cshtml  
~/Views/Shared/Index.vbhtml*

**Description:** An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

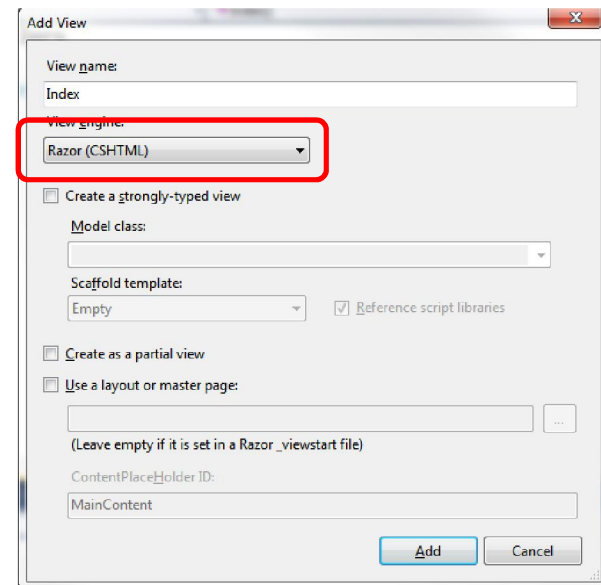
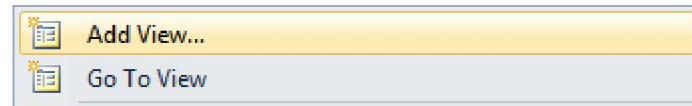
**Exception Details:** System.InvalidOperationException: The view 'Index' or its master was not found. The following locations were searched:



# A2: MVC: Ejemplo Básico: Vista

- Agregar la Vista Index
- Click derecho en el action method del **HomeController.cs** y seleccione la opción de agregar vista

```
public ActionResult Index()  
{  
    return View();  
}
```



# A2: MVC: Ejemplo Básico: Vista

- Código de la Vista

```
@{  
    Layout = null;  
}  
  
<!DOCTYPE html>  
  
<html>  
<head>  
    <title>Index</title>  
</head>  
<body>  
    <div>  
        Hello, world (from the view)  
    </div>  
</body>  
</html>
```

# A2: MVC: Ejemplo Básico: Vista

- Modificar Código de la Vista

```
@{
    Layout = null;
}

<!DOCTYPE html>

<html>
<head>
    <title>Index</title>
</head>
<body>
    <div>
        @ViewBag.Greeting, world (from the view)
        <p>We're going to have an exciting party.<br />
        (To do: sell it better. Add pictures or something.)
    </p>
    </div>
</body>
</html>
```

- Modificar Código del controlador

```
public class HomeController : Controller
{
    //
    // GET: /Home/

    public ActionResult Index()
    {
        int hour = DateTime.Now.Hour;
        ViewBag.Greeting = hour < 12 ? "Good morning" : "Good afternoon";
        return View();
    }
}
```

## A2: MVC: Ejemplo Básico: Modelo

- Agregar la clase GuestResponse en la carpeta de modelos

```
public class GuestResponse
{
    public string Name { get; set; }
    public string Email { get; set; }
    public string Phone { get; set; }
    public bool? WillAttend { get; set; }
}
```

## A2: MVC: Ejemplo Básico: Segunda Vista

Add View

View name:  
RsvpForm

View engine:  
Razor (CSHTML)

☒ Create a strongly-typed view

Model class:  
GuestResponse (MVCF3.PartyInvites.Models)

Scaffold template:  
Empty

☒ Reference script libraries

☐ Create as a partial view

☐ Use a layout or master page:

ContentPlaceHolder ID:  
MainContent

Add Cancel

- Agregar una vista fuertemente tipada que hace render de un objeto específico de dominio
- Agregar la vista de la misma manera como se ha creado la anterior

## A2: MVC: Ejemplo Básico: Segunda Vista

```
<!DOCTYPE html>

<html>
<head>
  <title>RsvpForm</title>
</head>
<body>
  @using (Html.BeginForm()) {
    <p>Your name: @Html.TextBoxFor(x => x.Name) </p>
    <p>Your email: @Html.TextBoxFor(x => x.Email)</p>
    <p>Your phone: @Html.TextBoxFor(x => x.Phone)</p>
    <p>Will you attend?
      @Html.DropDownListFor(x => x.WillAttend, new[] {
        new SelectListItem() {Text = "Yes, I'll be there", Value = bool.TrueString},
        new SelectListItem() {Text = "No, I can't come", Value = bool.FalseString}
      }, "Choose an option")
    </p>
    <input type="submit" value="Submit RSVP" />
  }
</body>
</html>
```

## A2: MVC: Ejemplo Básico: Controlador

```
public ActionResult Index()
{
    int hour = DateTime.Now.Hour;
    ViewBag.Greeting = hour < 12 ? "Good morning" : "Good afternoon";
    return View();
}
```

```
[HttpGet]
public ActionResult RsvpForm()
{
    return View();
}

[HttpPost]
public ActionResult RsvpForm(GuestResponse guestResponse)
{
    // TODO: Email guestResponse to the part organizer
    return View("Thanks", guestResponse);
}
```

## A2: MVC: Ejemplo Básico: Controlador

**Add View**

View name:  
Thanks

View engine:  
Razor (CSHTML)

☒ Create a strongly-typed view

Model class:  
    GuestResponse (MVCF3.PartyInvites.Models)

    Scaffold template:  
    Empty

☒ Reference script libraries

☐ Create as a partial view

☐ Use a layout or master page:  
      
(Leave empty if it is set in a Razor \_viewstart file)

ContentPlaceHolder ID:  
MainContent

**Add** **Cancel**