Creating Consistent Looking Web Sites

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 You only need to modify the master page and the pages based on this master will pick up the changes automatically.

- Looks like a normal ASPX page
 - Not a true ASPX page
 - Can not be requested in the browser.
 - It only serves as the template that real web pages (content pages) are based on.

• Instead of the @ Page directive, a master page uses an @ Master directive that identifies the file as a master page:

```
<%@ Master Language="C#" %>
```

 Just like a normal ASPX page, a master page can have a Code Behind file, identified by its CodeFile and Inherits attributes:

```
<%@ Master Language="C#" AutoEventWireup="true"
CodeFile="Frontend.master.cs" Inherits="MasterPages_Frontend" %>
```

 To create regions that content pages can fill in, you need to define ContentPlaceHolder controls in your page like this:

```
<asp:ContentPlaceHolder id="ContentPlaceHolder1" runat="server">
</asp:ContentPlaceHolder>
```

You can create as many placeholders as you like.

Content Pages

- Normal ASPX files
- Connected to a master page using the MasterPageFile attribute of the Page directive:

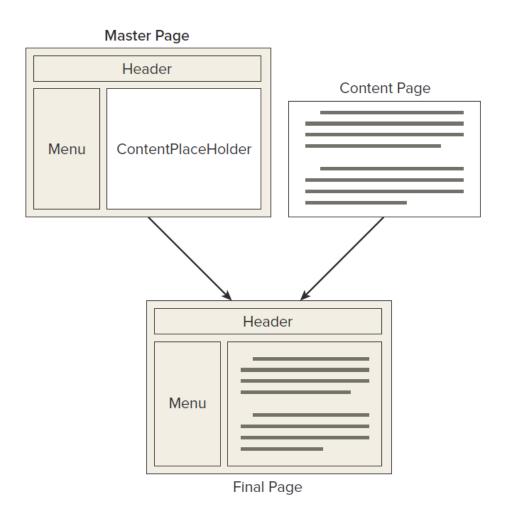
```
<%@ Page Title=" " Language="C#" MasterPageFile="~/MasterPages/Frontend.master"
AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>
```

Content Pages

 The page-specific content is then put inside a Content control that points to the relevant ContentPlaceHolder:

Points to the ContentPlaceHolder that is defined in the master page.

Runtime



Master Page Caveats

In a normal ASPX page:

```
<asp:Button ID="Button1" runat="server" Text="Click Me" />
```

• Inside an <asp:Content> control:

Auto generated ID of the master page

Master Page Caveats

Nested master pages:

```
<input type="submit" name="ct100$ct100$cpMainContent$ContentPlaceHolder1$Button1"
    value="Click Me" id="cpMainContent_ContentPlaceHolder1_Button1" />
```

 You should keep the IDs of your ContentPlaceHolder and Content controls as short as possible.

Base Page

- By default, pages in your web site inherit from the Page class defined in the System.Web.UI namespace.
 - However, in some circumstances this behavior is not enough and you need to add your own stuff.
- You can easily insert your own base page class between a web page and the standard Page class.

Page Life Cycle

- 1. Page Request
- 2. Start
- 3. Page Initialization
- 4. Load
- 5. Validation
- 6. Postback Event Handling
- 7. Rendering
- 8. Unload

Please READ http://msdn.microsoft.com/en-us/library/ms178472(v=vs.100).aspx