Master Pages in ASP.Net



Supplemental Material: ASPNET LESSON 3



Master Page Concepts

- Defines a consistent look and feel for a website
- Provides a re-usable, easy to manage mechanism to build the site layout
- Provide "place holders" for the content
- Content pages use the shell designed with the master page layout and content can be plugged-in to the Content controls.
- WYSIWYG support for viewing the content embedded in the master page at design time.



Web Forms in ASP.Net-.aspx Pages

- The main page type used in a ASP.Net projects is a web form
- This page type has a .aspx file extension
- A web form has a form tag with a runat="server" which means it is executed on a web server
- Sometimes you will hear this called "server-side" programming



Master Pages - .master file

- Master Pages are a web form even though the file extension is .master
- ASP.Net form pages that are created using a master page must be run from a Microsoft web server
- Running an application from the Visual Studio environment uses the local Microsoft web server called IIS



Creating a Master Page



Choose File->New->File then Master Page



Naming the Master Page

- As you choose to create a master page, name the page at the same time
- The Master Page should have the .master file extension
- For our purposes, uncheck the place code is a separate file box



How It Works

- Master pages are created to define common layout or blueprint for a group of pages
- This layout includes asp:contentplaceholder controls that are place holders for future content.
- Content pages created from a master page merge their content into the Master page layout.



The Master Page Template

- Master pages have a special @Master directive at the top of the file
- Do not change this directive in any way
- Master pages can contain HTML tags and other ASP.Net controls like the asp:contentplaceholder.

< @ Master Language = "C#" %>



Basics of a Master Page

Page Directive for the Master Page (template)

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<script runat="server">

</script>

<html xmlns="http://www.w3.org/1999/xhtml" >

<title>Untitled Page</title>

</head>



Basics of a Master Page

Delete the <script> </script> tags

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<script runat="server">

</script>

<html xmlns="http://www.w3.org/1999/xhtml" >

<title>Untitled Page</title>



Basics of a Master Page

Copy and paste the start.htm meta tags in the head

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

<head runat="server">
<meta name="author" content="Your name here..." /> <meta name="class" content="INFO 2450 - Web Content Design" />

<meta name="keywords" content="Project #, INFO 2450, UVSC, HTML Web Content Design, whatever else you want..." /> <meta http-equiv="Content-Type" content="text/html; charset=utf-

<title>Untitled Page</title>

Basics of a Master Page

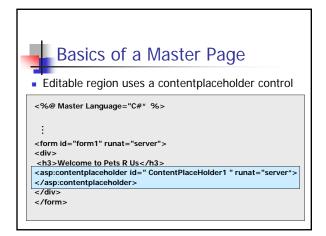
Link your CSS stylesheet in the head of the page

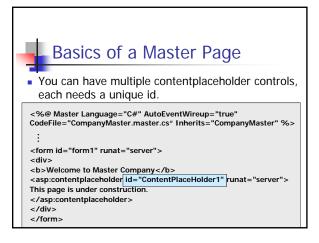
<head runat="server">
<meta name="author" content="Your name here..." /> <meta name="class" content="INFO 2450 - Web Content Design" />

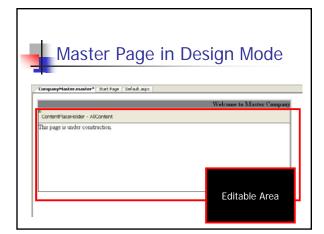
<meta name="keywords" content="Project #, INFO 2450, UVSC, HTML Web Content Design, whatever else you want. <meta http-equiv="Content-Type" content="text/html; charset=utf-

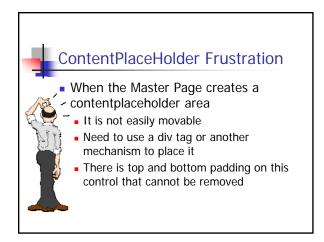
<title>Untitled Page</title>
k ref="StyleSheet.css" rel="stylesheet" type="text/css" /></ti>

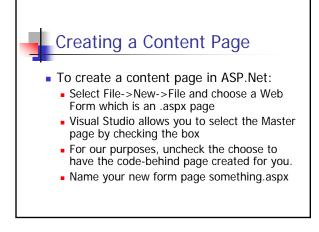
</head>

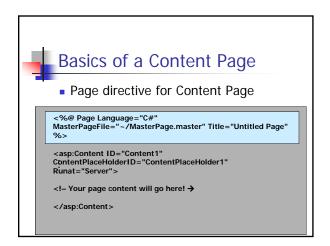


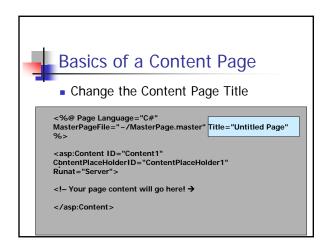


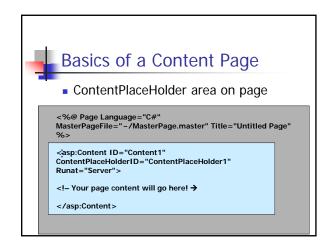


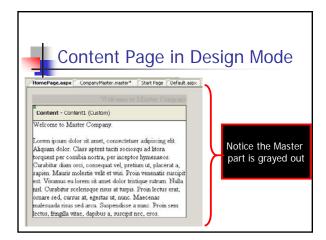


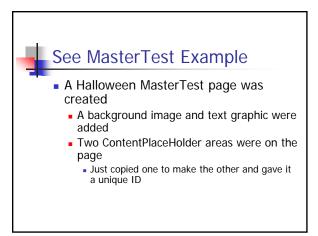


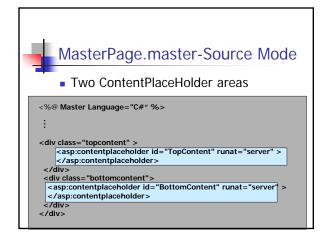










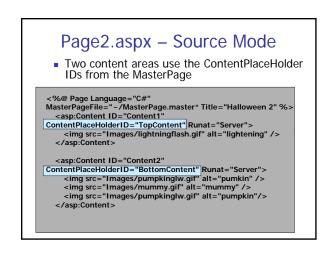




HomePage.aspx — Source Mode Two content areas use the ContentPlaceHolder IDs from the MasterPage













Summary

- The Master Page mechanism in ASP.Net is similar to templates in other languages
- The Editable areas are created with a ContentPlaceHolder control
- Content pages are created from a Master Page