

(420-PS4-AB) Master Pages in ASP .NET Web Forms



Outline

- Working with Master Pages
- Creating Master Pages
- Creating Content Pages
- Changing Master Pages dynamically



Defining a Common Page Layout

Common Header



Common Menu

Page Content



Working with Master Pages

- Master Pages allow a common page layout to be defined across a Website using a single file
- Master Page Features:
 - Extend the UserControl class
 - Can be nested to handle more complex page layout needs
 - Define areas where content should be placed within the defined page layout
 - Have a .master extension
 - Can have a code behind page



Creating Master Pages

- Can be created by adding a new item of type master Page
- Master Pages allow the overall layout of pages to be defined in one place:



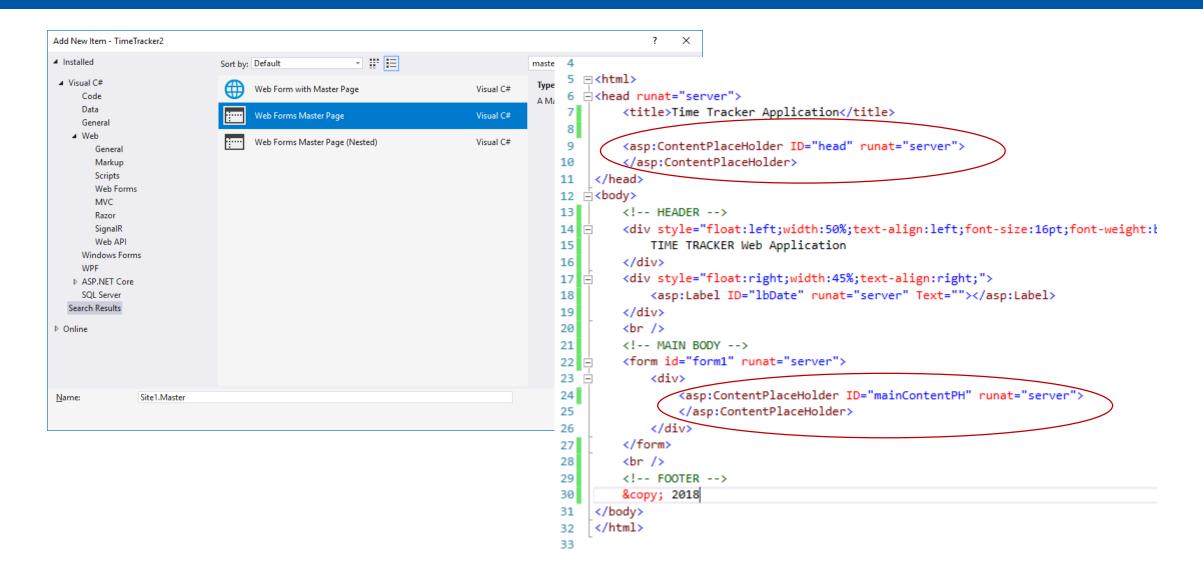
<u>Demo</u>: Master Pages

- Add a new master page to the any of the ASP .NET web forms Application
- Add the following in the master page:
 - Header with title name (big font and bold on the right)
 - Date label on the left
 - Footer with copy rights

Time Tracker Web Application	[lbDate]
© 2017	



Demo: Details





Creating Content Page

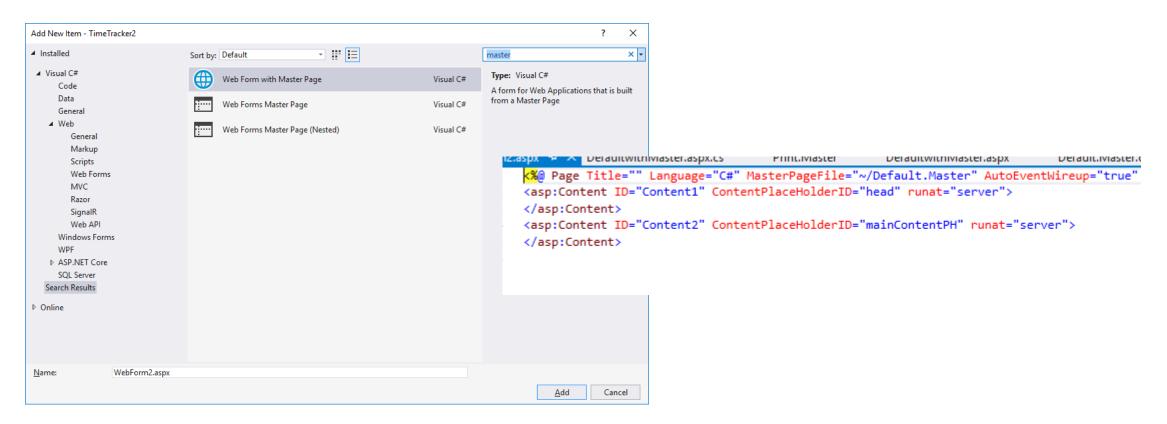
 Content Pages reference a Master Page and contain one or more Content Controls:

```
<%@ Page MasterPageFile="Mysite.master"%>
<asp:content id="bodyContent"
  contentPlaceHolder id="ph1" runat="server"/>
        Page Content Goes Here
</asp:content>
```



Demo: Master Pages

Add content pages to the master page you have created.





Dynamically Changing Master Pages

 Master Pages can dynamically be changed using the Page PreInit event handler in the code behind

```
void Page_PreInit (object src, EventArgs e)
{
    MasterPageFile = "~/CustomMasterPage.master";
}
```



<u>Demo</u>: Changing a Master Page

• Create a second master page without the header or footer for printing propose.

Add a hyper link to the same page with string query

```
<a href="default.aspx?Print=true">
    PRINTABLE VERSION
</a>
```



Demo: Changing a Master Page

Main page source

Code behind



Summary

- Master Pages provide a simple way to provide a Website with a common page layout.
- Master Pages contain a Master directive along with a ContentPlaceHolder server control.
- Content Pages contain a MasterPageFile attribute and one or more Content server controls.
- Master Pages can be changed dynamically

Q & A

