

# Re: How can I access a Master Page Public Property from a Base Page

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- *From:* [stcheng@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:stcheng@xxxxxxxxxxxxxxxxxxxxxxxx) (Steven Cheng[MSFT])
  - *Date:* Mon, 12 Nov 2007 06:05:44 GMT
- 

Hi Jay,

As for accessing properties in Master page, you can also consider the following means:

#define a public interface which contains the properties or method you need  
#let master implement the interface and in content page, simply cast Master page to that interface and call those interface methods. e.g.

```
=====Interface=====
public interface IError
{
string ErrorInfo {get;set; }
}

=====Master page=====
public partial class Masters_err : System.Web.UI.MasterPage, IError
{
.....
}
=====
```

thus, you do not need to define base classes. For the problem that the page doesn't display any UI after "Page\_Error" event, I think this is because when there occurs unhandled exception, the original page processing sequence is broken, therefore, you can not expect it to render the page content as normal (if there occurs unhandled exception). The "Page\_Error" or "Application\_Error" event just provide you a point to capture this error status and the recommended approach to show error info is defining a custom error page or manually do redirection in "Page\_Error" event (to your own error page). You can store the last error info in SessionState if necessary.

Sincerely,

Steven Cheng

Microsoft MSDN Online Support Lead

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From: Jay Pundy <jpondy@xxxxxxxxxxxxxx>  
Newsgroups: microsoft.public.dotnet.framework.aspnet  
Subject: Re: How can I access a Master Page Public Property from a Base

Page

Date: Fri, 09 Nov 2007 07:18:50 -0500

Almost there but...

I created a BaseMaster class that inherits from System.Web.UI.MasterPage

And

placed my Public Property there:

```
Public Class BaseMaster : Inherits System.Web.UI.MasterPage
```

```
Private Sub Page_Load(ByVal sender As Object, ByVal e As
```

```
System.EventArgs)
```

```
Handles Me.Load
```

```
'Make the error table row invisible
```

```
CType(Page.Master.FindControl("rowError"), HtmlTableRow).Visible =
```

```
False
```

```
End Sub
```

```
Public Property ErrorMessage() As String
```

```
Get
```

```
Return CType(Page.Master.FindControl("txtError"),  
HtmlGenericControl).InnerText
```

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```
End Get
Set(ByVal value As String)
Trace.Write("BaseMaster.ErrorMessage.Set")
CType(Page.Master.FindControl("txtError"),
HtmlGenericControl).InnerText = value
CType(Page.Master.FindControl("rowError"),
```

```
HtmlTableRow).Visible =
```

```
True
End Set
End Property
```

```
End Class
```

In my Master Page I now inherit from BaseMaster and I CAN now access the Property from my content pages:

```
CType(Page.Master, BaseMaster).ErrorMessage = "Some Error Message."
```

BUT...

All of my Pages inherit from a BasePage class that contains a Page\_Error handler

from where I would like to access the MasterPage property when an error occurs:

```
Public Class BasePage : Inherits System.Web.UI.Page
```

```
Private Sub Page_Error(ByVal sender As Object, ByVal e As
```

```
System.EventArgs)
```

```
Handles MyBase.Error
CType(Page.Master, BaseMaster).ErrorMessage =
Server.GetLastError.Message
End Sub
```

```
End Class
```

The problem now is that when I generate an error on the content page the Page

Error handler in my BasePage class fires and it sets the public property

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in my

BaseMaster but nothing is displayed on the page (the URL is correct for the content page) the only HTML rendered is:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=Content-Type content="text/html;
charset=windows-1252"></HEAD>

<BODY></BODY></HTML>
```

There is no Master and no Content HTML. I'm missing a call to something somewhere.

On Fri, 9 Nov 2007 03:03:01 -0800, Jay Pundy <jpondy@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

I am trying to access a Public property on a Master Page from a Base Page.

On the content pages I have the MasterType Directive set up as follows:  
<% @ MasterType virtualpath="~/Master.master" %>

```
On the Master Page I have a public property exposed:
Public Property ErrorMessage() As String
Get
Return txtError.InnerText
End Get
Set(ByVal value As String)
txtError.InnerText = value
rowError.Visible = True
End Set
End Property
```

From the Content Page I can access the property:

```
Me.Master.ErrorMessage = "Some Error Message."
```

If I try and access the Master Page Property from an inherited Base Page

with:

```
Me.Master.ErrorMessage = "Some Error Message."
the IDE highlights the error with:
ErrorMessage is not a member of System.Web.UI.MasterPage
```

Is there some way I can cast the Base Page Master property to the

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strongly

typed Master Page and access the ErrorMessage property?