

ASP.NET - MULTI VIEWS

http://www.tutorialspoint.com/asp.net/asp.net_multi_views.htm

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MultiView and View controls allow you to divide the content of a page into different groups, displaying only one group at a time. Each View control manages one group of content and all the View controls are held together in a MultiView control.

The MultiView control is responsible for displaying one View control at a time. The View displayed is called the active view.

The syntax of MultiView control is:

```
<asp:MultiView ID= "MultiView1" runat= "server">
</asp:MultiView>
```

The syntax of View control is:

```
<asp:View ID= "View1" runat= "server">
</asp:View>
```

However, the View control cannot exist on its own. It would render error if you try to use it stand-alone. It is always used with a Multiview control as:

```
<asp:MultiView ID= "MultiView1" runat= "server">
  <asp:View ID= "View1" runat= "server"> </asp:View>
</asp:MultiView>
```

Properties of View and MultiView Controls

Both View and MultiView controls are derived from Control class and inherit all its properties, methods, and events. The most important property of the View control is Visible property of type Boolean, which sets the visibility of a view.

The MultiView control has the following important properties:

Properties	Description
Views	Collection of View controls within the MultiView.
ActiveViewIndex	A zero based index that denotes the active view. If no view is active, then the index is -1.

The CommandName attribute of the button control associated with the navigation of the MultiView control are associated with some related field of the MultiView control.

For example, if a button control with CommandName value as NextView is associated with the navigation of the multiview, it automatically navigates to the next view when the button is clicked.

The following table shows the default command names of the above properties:

Properties	Description
NextViewCommandName	NextView
PreviousViewCommandName	PrevView
SwitchViewByIDCommandName	SwitchViewByID
SwitchViewByIndexCommandName	SwitchViewByIndex

The important methods of the multiview control are:

Methods	Description
SetActiveview	Sets the active view
GetActiveview	Retrieves the active view

Every time a view is changed, the page is posted back to the server and a number of events are raised. Some important events are:

Events	Description
ActiveViewChanged	Raised when a view is changed
Activate	Raised by the active view
Deactivate	Raised by the inactive view

Apart from the above mentioned properties, methods and events, multiview control inherits the members of the control and object class.

Example

The example page has three views. Each view has two button for navigating through the views.

The content file code is as follows:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs"
Inherits="multiviewdemo._Default" %>

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

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

    <head runat="server">
        <title>
            Untitled Page
        </title>
    </head>

    <body>
        <form >

            <div>
                <h2>MultiView and View Controls</h2>

                <asp:DropDownList ID="DropDownList1" runat="server"
onselectedindexchanged="DropDownList1_SelectedIndexChanged">
                </asp:DropDownList>

                <hr />

                <asp:MultiView ID="MultiView1" runat="server" ActiveViewIndex="2"
onactiveviewchanged="MultiView1_ActiveViewChanged" >
                    <asp:View ID="View1" runat="server">
                        <h3>This is view 1</h3>
                        <br />
                        <asp:Button CommandName="NextView" ID="btnnext1" runat="server" Text =
"Go To Next" />
                    </asp:View>
                </asp:MultiView>
            </div>
        </form>
    </body>
</html>
```

```

        <asp:Button CommandArgument="View3" CommandName="SwitchViewByID"
ID="btnlast" runat="server" Text = "Go To Last" />
    </asp:View>

    <asp:View ID="View2" runat="server">
        <h3>This is view 2</h3>
        <asp:Button CommandName="NextView" ID="btnnext2" runat="server" Text =
"Go To Next" />
        <asp:Button CommandName="PrevView" ID="btnprevious2" runat="server"
Text = "Go To Previous View" />
    </asp:View>

    <asp:View ID="View3" runat="server">
        <h3> This is view 3</h3>
        <br />
        <asp:Calendar ID="Calender1" runat="server"></asp:Calendar>
        <br />
        <asp:Button CommandArgument="0" CommandName="SwitchViewByIndex"
ID="btnfirst" runat="server" Text = "Go To Next" />
        <asp:Button CommandName="PrevView" ID="btnprevious" runat="server"
Text = "Go To Previous View" />
    </asp:View>

</asp:MultiView>
</div>

</form>
</body>
</html>

```

Observe the following:

The MultiView.ActiveViewIndex determines which view will be shown. This is the only view rendered on the page. The default value for the ActiveViewIndex is -1, when no view is shown. Since the ActiveViewIndex is defined as 2 in the example, it shows the third view, when executed.

MultiView and View Controls

View3 ▾

This is view 3

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Mon	Tue	Wed	Thu	Fri	Sat	Sun
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Go To Next

Go To Previous View