

ASP.NET - HTML SERVER

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

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The HTML server controls are basically the standard HTML controls enhanced to enable server side processing. The HTML controls such as the header tags, anchor tags, and input elements are not processed by the server but are sent to the browser for display.

They are specifically converted to a server control by adding the attribute `runat="server"` and adding an id attribute to make them available for server-side processing.

For example, consider the HTML input control:

```
<input type="text" size="40">
```

It could be converted to a server control, by adding the `runat` and `id` attribute:

```
<input type="text" runat="server" id="txt1">
```

Advantages of using HTML Server Controls

Although ASP.NET server controls can perform every job accomplished by the HTML server controls, the later controls are useful in the following cases:

- Using static tables for layout purposes.
- Converting a HTML page to run under ASP.NET

The following table describes the HTML server controls:

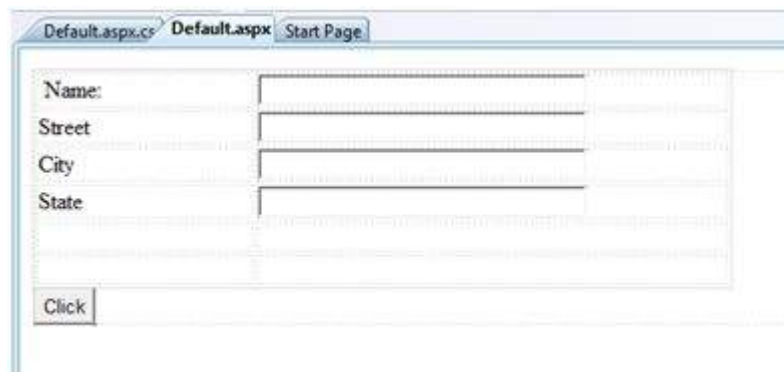
Control Name	HTML tag
HtmlHead	<head>element
HtmlInputButton	<input type=button submit reset>
HtmlInputCheckbox	<input type=checkbox>
HtmlInputFile	<input type = file>
HtmlInputHidden	<input type = hidden>
HtmlInputImage	<input type = image>
HtmlInputPassword	<input type = password>
HtmlInputRadioButton	<input type = radio>
HtmlInputReset	<input type = reset>
HtmlText	<input type = text password>
HtmlImage	 element
HtmlLink	<link> element
HtmlAnchor	<a> element
HtmlButton	<button> element
HtmlForm	<form> element

HtmlTable	<table> element
HtmlTableCell	<td> and <th>
HtmlTableRow	<tr> element
HtmlTitle	<title> element
HtmlSelect	<select> element
HtmlGenericControl	All HTML controls not listed

Example

The following example uses a basic HTML table for layout. It uses some boxes for getting input from the users such as name, address, city, state etc. It also has a button control, which is clicked to get the user data displayed in the last row of the table.

The page should look like this in the design view:



The code for the content page shows the use of the HTML table element for layout.

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

        <style type="text/css">
            .style1
            {
                width: 156px;
            }
            .style2
            {
                width: 332px;
            }
        </style>
    </head>

    <body>
        <form >
            <div>
                <table style="width: 54%;">
                    <tr>
                        <td >Name:</td>
                        <td >
                            <asp:TextBox ID="txtname" runat="server" style="width:230px">

```

```

        </asp:TextBox>
    </td>
</tr>

<tr>
    <td >Street</td>
    <td >
        <asp:TextBox ID="txtstreet" runat="server" style="width:230px">
        </asp:TextBox>
    </td>
</tr>

<tr>
    <td >City</td>
    <td >
        <asp:TextBox ID="txtcity" runat="server" style="width:230px">
        </asp:TextBox>
    </td>
</tr>

<tr>
    <td >State</td>
    <td >
        <asp:TextBox ID="txtstate" runat="server" style="width:230px">
        </asp:TextBox>
    </td>
</tr>

<tr>
    <td > </td>
    <td ></td>
</tr>

<tr>
    <td ></td>
    <td ID="displayrow" runat="server" >
    </td>
</tr>
</table>

</div>
<asp:Button ID="Button1" runat="server" onclick="Button1_Click" Text="Click" />
</form>
</body>
</html>

```

The code behind the button control:

```

protected void Button1_Click(object sender, EventArgs e)
{
    string str = "";
    str += txtname.Text + "<br />";
    str += txtstreet.Text + "<br />";
    str += txtcity.Text + "<br />";
    str += txtstate.Text + "<br />";
    displayrow.InnerHtml = str;
}

```

Observe the following:

- The standard HTML tags have been used for the page layout.
- The last row of the HTML table is used for data display. It needed server side processing, so an ID attribute and the runat attribute has been added to it.