http://asp.net-tutorials.com/user-controls/using/

A **UserControl is a separate, reusable part of a page**. You can put a piece of a page in a UserControl, and then reuse it from a different location.

A notable difference is that UserControls can be included on multiple pages, while a page can't.

UserControls are used much like regular server controls, and **they can be added to a page declaratively**, just like server controls can.   
  
A big advantage of the UserControl is that **it can be cached**, using the OutputCache functionality described in a previous chapter, so instead of caching an entire page, you may cache only the UserControl, so that the rest of the page is still re-loaded on each request.   
  
An example where a UserControl could come in handy, is a control for showing information about a certain user on a community website. In the next couple of chapters, we will create a UserControl from scratch, make it fit to our purpose, and then use it on a page.

**I Building a userControl**

1, add web user control to the project (.ascx) extention , here name (UserInfoBoxControl.ascx)

2, add the markup like below

<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="UserInfoBoxControl.ascx.cs" Inherits="SimpleUserControls.UserInfoBoxControl" %>

<b>Information about <%=this.UserName %></b>

<br /><br />

<%=this.UserName %> is <%=this.UserAge %> years old and lives in<%=this.UserCountry%>

3, The variable like UserName, UserAge, UserCountry come from code behind , we need to add code for that

public partial class UserInfoBoxControl : System.Web.UI.UserControl

{

public string UserName { get; set; }

public string UserCountry { get; set; }

public int UserAge { get; set; }

protected void Page\_Load(object sender, EventArgs e)

{

}

}

**II Consuming the userControl**

1, Declare/ Register the user control

In page or web.config

Page registration :

<%@ Register TagPrefix="UC" TagName="UserInfoBoxControl" Src="~/UserInfoBoxControl.ascx" %>

Web.Config registration :

User control should be in a separate folder or will get a error pasted below

<pages>

<controls>

<add assembly="Microsoft.AspNet.Web.Optimization.WebForms" namespace="Microsoft.AspNet.Web.Optimization.WebForms" tagPrefix="webopt" />

<add tagPrefix="UC" tagName="Stock" src="~/Controls/Stock.ascx" />

</controls>

</pages>

2, Adding to the page

<UC:Stock runat="server" ID="myStock" Category="FMCG" CurrentPrice="339" Name="ITC" />

