User Controls

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User Control

- Looks like server controls.
- Encapsulates markup, controls and code that you need reapetedly throughout the site.
- You can reuse in pages.
- `.ascx` extension
- Cannot be requested in the browser directly.
  - Add to a content or a master page or another user control.

Creating User Control

- Add New Item
- Doesn't have an **@Page** directive
- **@Control** directive

```
<%@ Control Language="C#" AutoEventWireup="true" CodeFile="WebUserControl.ascx.cs" Inherits="WebUserControl" %>
```

Adding User Control

- Two steps:

  1. Register the control by adding @**Register** to the page or control

  2. Add the tags for the user control to the page and optionally set some attributes on it.

```
<%@ Register Src="ControlName.ascx" TagName="ControlName" TagPrefix="uc1" %>
```

Points to the user control you want to use

The name for the tag that is used in the control declaration in the page

The prefix of the **TagName** that is used in the control declaration

Adding User Control

- When the control is registered add it to the page using `TagPrefix:TagName` construct.

- **@Register** directive:

```
<%@ Register Src="~/Controls/Banner.ascx" TagName="Banner" TagPrefix="uc1" %>
```

- Add the control to your page:

```
<uc1:Banner ID="Banner1" runat="server" />
```

View State

- Please read:

  http://msdn.microsoft.com/en-us/library/ms972976.aspx