

**STUDENT ACTIVITY 1.5 KEY**

MTA Course: Web Development Fundamentals

Topic 1.5: Understand controls

File name: WebDevFund\_SA\_1.5\_key

**Lesson Objective:**

**1.5:** Understand controls *This objective may include but is not limited to:* various types of controls, including user, server, Web, and validation controls; know which is the appropriate type of control for a scenario.

**Part 1**

1. Open Visual Studio and create a new ASP.NET website project.
2. Create any new user control (using the Add New Item dialog box).
3. Describe the steps needed to accomplish this in the space below. Cite specific code that you used to do this.

**Suggested Solution:**

Open the website project to which you want to add user controls. If you do not already have a website project, you can create one.

1. On the website menu, click Add New Item.
2. The Add New Item dialog box appears.
3. In the Add New Item dialog box, under Visual Studio®–Installed Templates, click Web User Control.
4. In the Name box, type a name for the control. By default, the .ascx file name extension is appended to the control name that you type.
5. From the Language list, select the programming language that you want to use.
6. Optionally, if you want to keep any code for the user control in a separate file, select the Place Code In Separate File check box.
7. Click Add.

**Part 2**

1. Convert an existing ASP.NET page that you have created previously to a user control by changing the file extension of the page to .ascx and modifying the markup in the source of the control. Describe the steps needed to accomplish this in the space below. Be specific.

*Answers will vary.*

2. Using that same ASP.NET project, design and implement a validation control. Specify in the space below the syntax required to do this. For a refresher on building validation controls visit the following link:

*<http://msdn.microsoft.com/en-us/library/aa720677%28VS.71%29.aspx>.*

*Possible solution provided in the link.*

3. Using an existing ASP.NET Web page, provide an example (by file name, including extension) of the location where (file type) one might expect to find each of the following types of controls:

Control	File Name	File Type
Web User control	<i>Answers will vary.</i>	.ascx
Server control	<i>Answers will vary.</i>	.vb or .cs
Validation control	<i>Answers will vary.</i>	.vb or .cs