

STUDENT ACTIVITY 4.1

MTA Course: Web Development Fundamentals
Lesson name: Web Development Fundamentals 4.1
Topic: Understand client-side scripting
File name: WebDevFund_SA_4.1

Resources, software, and additional files needed for this lesson:

- A Windows[®]-based PC with installed Web development software.
Examples include Microsoft[®] Visual Studio 2008[®], or
 - Microsoft Visual Basic 2008[®], Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Basic>)
 - Microsoft Visual C# 2008[®], Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-CS>)
 - Microsoft Visual Web Developer 2008, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Web-Developer>)
- Use these sites for additional information:
Video lessons and references on using JavaScript with ASP.NET:
<http://www.asp.net/learn/videos/video-276.aspx>
<http://www.asp.net/learn/videos/video-279.aspx>

Directions to the student:

1. View the video: <http://www.asp.net/learn/videos/video-275.aspx>
2. Answer the following questions:
 - a. Explain how the hidden field changes its value after clicking the Get Data button in the first portion of the video.
 - b. What advantages does the developer get when the JavaScript code is moved to an external JavaScript file?
 - c. Explain how the developer is using the ClientScriptManager class?
 - d. Download the VB or C# version of the code. Run the programs making changes and setting breakpoints to test your understanding of client-side scripting. Record your steps, experiences, and problems.
3. Be prepared to discuss your findings as a group.