

STUDENT ACTIVITY 2.2

MTA Course: Web Development Fundamentals

Lesson name: Web Development Fundamentals 2.2

Topic: Distinguish between DataSet and DataReader objects.

File name: WebDevFund_SA_2.2

Lesson Objective:

2.2: Distinguish between DataSet and DataReader objects. *This objective may include but is not limited to:* the ability to choose the proper data object to use based on application requirements/design.

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

- A Windows®-based PC with installed Web development software.
Examples include 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:
DataSet and DataReader
<http://msdn.microsoft.com/en-us/library/haa3afyz.aspx>
<http://msdn.microsoft.com/en-us/library/system.data.dataset.aspx>
<http://msdn.microsoft.com/en-us/magazine/cc188717.aspx#S4>

Directions to the student:**Part 1**

1. Open Visual Studio and create a new ASP.NET website project.
2. Complete the following activity for creating a DataSet at the following link:
<http://msdn.microsoft.com/en-us/library/04y282hb%28VS.80%29.aspx>

Part 2

1. Open Visual Studio and create a new ASP.NET website project.
2. Complete the following activity demonstrating the use of DataReader at the following link:
<http://support.microsoft.com/kb/310107>

Part 3

1. Reflect on the two activities and summarize the key aspects of each.
2. Describe how each example demonstrates these points.

Note: Be prepared to present your solution to the class.