Code Repository Exercises

Ajax

Purpose: The purpose of this exercise is to familiarize you with Asynchronous Javascript and XML (AJAX) and its use in ASP.NET applications. You will see how the basic AJAX extension controls can be used to implement asynchronous partial-page postbacks to improve the user's experience. You will also become familiar with the tools in the AJAX control toolkit and implement at least two of them on a test page.

Directory Name: Ajax

Instructions:

1. Copy the *NewGreetingCardMaker.aspx* and *NewGreetingCardMaker.aspx.cs* files that you created in the Web Controls exercise into the directory for this exercise. Re-name the copied files to *AjaxNewGreetingCardMaker.aspx* and *AjaxNewGreetingCardMaker.aspx.cs*, respectively. Ajax-ify the greeting card maker. The panel containing the card itself should be placed within an UpdatePanel that is asynchronously refreshed whenever the user changes one of the formatting selections (see pages 803-804 of the MacDonald book for example code). In addition, add an UpdateProgress control to notify the user of Ajax processing. (You can introduce latency into the postback to test the UpdateProgress. See page 807 for example code.)

2. Download and install the Ajax Control Toolkit as described on pages 811-813 of the MacDonald book. Create a new .aspx page called *AjaxToolkit.aspx* in the directory for this exercise. Choose **at least two** of the Ajax toolkit controls and implement them on this page. **Be sure to include descriptive text on your page that identifies the controls you implemented and what they do.** Try to select controls that you think might be useful for your project. (You can see demonstrations of the controls at http://www.asp.net/ajaxlibrary/act_tutorials.ashx.)

Header on Default.aspx: Ajax

Pages linked from Default.aspx: *AjaxNewGreetingCardMaker.aspx, AjaxToolkit.aspx*