CPRG 256

LAB ASSIGNMENT 8

INTRODUCTION TO AJAX

On your computer, create a directory titled ‘cprg256/lab8’.

PART A:

Create a webpage titled ‘showpics.html’. Using the photographs and the captions from Assignment 1 or your Midterm Project, complete the following:

The webpage will list the captions for each picture. Each time you mouse over the caption, the corresponding picture will be displayed in an area below it.

Note: The ‘XMLHTTPRequest’ object has difficulties identifying a picture. Create a very simple webpage with one line containing the <img> tag that will list the location of the picture. The ‘XMLHTTPRequest’ object will look for an HTML page rather than a \*.jpg file.

Each caption for your picture should be in a uniquely named <div> tag. E.g. <div id=”caption1”>. Your JavaScript will require event listeners for each of these <div> tags. Each time you ‘mouse over’ a caption, your JavaScript program will call a function that creates an ‘XMLHTTPRequest’ object. This object will find the html file that matches the caption and display it on the page. When you ‘mouse out’, the picture will disappear.

Part B:

Use your code from Part 3 from your midterm project, ’New City Bakery’. Your web page will display the registration form, but change the JavaScript so that the ‘Submit’ button will validate the form and then display the customer’s information on the page.

Display buttons or hyperlinks that will call up one of the required forms. Each selection will call an ‘XMLHTTPRequest’ object and this will load the appropriate HTML form on the page.

Create separate HTML pages for the ‘Round’ or ‘Rectangle’ cakes. Each page will contain a form that will prompt for dimensions, layers and extras and then display the total cost.

Note: please also include any necessary CSS files for these webpages.

When you have completed this, demonstrate it to your instructor.

Zip your ‘cprg256/lab8’ directory and upload it to the Brightspace site under Assignments/Lab Assignment 8.