CS 275: Web Programming
Programming Assignment 7 – Extra Credit
April 23, 2014
Due: April 30th, 2014 by the beginning of the class period

For this assignment, we will practice working with AJAX and PHP.

Extend our previous programming assignment to implement the following functionality:

1. *User name chooser with AJAX*

   Since our database from our previous assignment uses authentication, write a web page that utilizes AJAX, which allows the user to register as an authenticated user and to choose an unused user name to register for your system. In addition to the password field(s), there should be a text field that allows the user to type in their desired user name. As the user is typing their desired user name, a list of all registered users whose user IDs match the letters typed should be displayed, so that the user typing their info knows which user names have already been registered. In order to accomplish this, your code should send an asynchronous request to a PHP script on the server side as the user is typing, which will in turn connect to the authentication database and send back the list of user names to display to the current user. As soon as the chosen user name is available, a message to that effect should be displayed to the user. All of this functionality must be implemented without a page refresh.

2. *Query results in a table without reloading*

   Extend the previous assignment that among other, allowed the user to retrieve the data queried by a specific time-range. This time, the results from a time-range search should be displayed in a table format on the same page, and without any reloading of the page. You must use AJAX to communicate with a PHP script that will retrieve time-range query results to the user.

Only authenticated users must be able to work with the system. To that end, implement the authorization process with MySQL, PHP, and session control that makes sure that only authenticated users can work with your project. The web user for this project will be coming from 'localhost', named 'webUser' with 'acm1234' as its password. During the testing phase, I will be creating some new users to test the functionality of your user name chooser with AJAX, but please have the user with user id 'bkerkez' with password 'acm1234'.

Please make sure that the end-user can navigate your pages in a meaningful way and that all of the functionality for this project can be reached from the start page called 'index.html' or 'index.php'.

Turn In Procedures:

In addition to an electronic copy of your assignment, please turn in a printout of your source code.

You may turn in your assignment via email (bkerkez@yahoo.com) or in person on a CD, flash drive, or other computer media. Please follow the turn in procedures outlined below.

In case you would like to turn in your assignment via email, please place the following in the subject line of your email:

CS275 Assignment 7

Please make sure that I receive your assignments before the due date and time. Late programming assignments will be accepted for 24 hours after they are due and will be penalized by a 50% deduction. No assignments will be accepted after the 24 hour period expires.