Summary

In this assignment you are given a list of UTEP CS graduates in a spreadsheet. You will upload the data into a MySQL database. Then you will build a web page where users can display the data from the database in many different ways.

Description

You need to do the following:

1. Upload the data from the CS graduates spreadsheet to your UTEP’s MySQL database server.

2. Create a web page that displays the contents of the database in some default format of your choice.

3. Create an interface on the page to modify what is displayed. The interface should let the user do the following.
   (a) Filter the list to display only the records with various criteria (just one year, specific degrees, last name starts with ‘L’, etc.)
   (b) Display the records sorted in different ways (sort with increasing or decreasing order, based on different attributes)
   (c) Select different attributes (columns) to display.
   (d) Decide how many records to display per page, and have a way to go from page to page when the data to display exceeds the current records per page setting.

4. You can implement the functionality in one of many options:
   (a) Use a form and issue a GET or POST request whenever the user changes the display
(b) Download the whole database into a giant JavaScript array and use JavaScript to modify the display locally

(c) Use AJAX to communicate with the server

5. Since 4(a) is the easiest way to implement the functionality, implementing (b) or (c) gives you up to 5 points extra credit.

Submission

Put a copy of your web page files on the course web server. Please place the files under a directory with a name that is hard to guess, so that other students would not know how to access your pages. Write a report that contains the following:

1. How long did you spend to do this assignment?

2. The name of the directory where your files are,

3. How did you implement the functionality for updating the display?

4. What problems (if any) did you encounter in this assignment, and if yes, how did you solve the problems?

5. Comment on how useful this assignment was as a way to learn about user interface for displaying database information.

Turn in by sending an e-mail with a .zip attachment containing your files and your report. Please use the subject line according to which course you are registered for:
“CS4339 Assignment 3b submission’ or “CS5339 Assignment 3b submission”.

Late submissions

The penalty for a late submission is the same as in previous assignments.

Due date

Tuesday, November 27, 11:00pm.