Homework #1 (due 02/19)

Purpose: Reinforce PHP Concepts

You are a PHP developer working on a project to develop a web application that keeps track of players' statistics for Cal State Fullerton Basketball team. One of the functionalities offered by the application is for users to enter players' game data (playing times, scores, assists, rebounds etc.) after each game is played.

In this assignment, you are to demonstrate your understanding of:
1) PHP syntax and semantics,
2) Multiple .php file solution design and management,
3) Arrays,
4) Functions
5) Classes
6) Embedding PHP scripting inside .html documents and how .html documents communicate with .php scripts
7) Using server-side text files as a means of data persistence
8) String manipulation, including regular expression

by performing the task listed below and submitting the output described through TITANium by the due date.
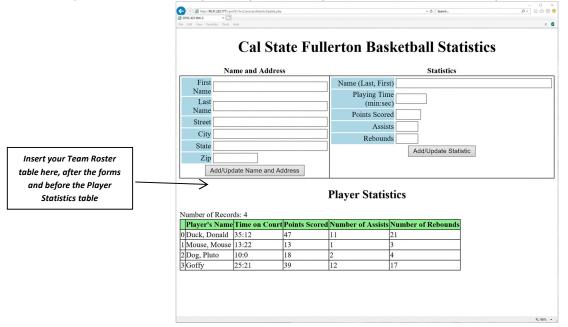
Task 1: You are to use the files provided to establish your baseline point of departure. Copy the files provided onto your server such that you can execute them. Place them, for example, in your document_root directory or as show in the example below, a subdirectory of the document root.
Files:
- home_page.php
- PlayerStatistic.php
- processStatisticUpdate.php

Once you have the documents in place on your server, point your browser to home_page.php. You should see something like:

Notice the table at the bottom is empty, and that's okay. Populate the Statistics form and hit the "Add/Update Statistic" button. Repeat a few times. As you do, you will see your entries added to the Player Statistics table, something like this:

Insert your Team Roster table here, after the forms and before the Player Statistics table

Task 2: Now that your baseline point of departure is working, you are to implement the Name and Address form to behave in a similar manner as the Statistics form to produce a Team Roster table. In particular:

- Modify home_page.php to display the contents of the team roster database in table format similar to the Player Statistics table.
- Create a new class called Address in file Address.php that with private attributes name, street, city, state, and zip. Provide the following member function with signatures and behaviors similar to class PlayerStatistic:
  - name   (getters and setters)
  - street   (getters and setters)
  - city   (getters and setters)
  - state   (getters and setters)
  - zip   (getters and setters)
  - __construct()
  - __toString()
  - toTSV()
  - fromTSV

note that getters return the value of the instance attribute, and setters return $this supporting chaining.

- Create a .php script called processAddressUpdate.php to process Name and Address data submitted to the server by an operator pressing the Update/Add Name and Address button. Note: Updates need not be implemented, simply add duplicate database records.
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Task 3: Run your program and take screen shots showing your empty Team Roster table, and one or two more as you add records to the team roster database. Archive (zip, tar, whatever) <u>everything into a single file</u> and submit:

- Your screenshots
- All your .php files. There should be 5 total, the three I gave you (you updated one of them) and the 2 new ones you created.
- Your database files. There should be two of them, one for the team roster, and one for the player statistics.

Note: you can point your browser to http://99.31.220.177/cpsc431/hw2/home_page.php *to run my baseline point-of departure program. This might provide a sense of how it should look and feel.*