

Comp 306

Mobile Development

Lab 8

Name: _____

Due: 29 Nov 2018

1. For this lab you will be using the database that you designed and your team implemented in lab 7. You can either use that database (make sure that you have access to the database) or export (or “dump”) the database that your team created and then import it into your own account.

- a. The person who created the database should run this command:

```
mysqldump -u theirMySQLAccountName -p db7x > tempDB.sql
```

where “**db7x**” is the name of the database that your team used. Note that **theirMySQLAccountName** is the account name of the person who created this database for lab 7.

- b. Team members may now copy the file **tempDB.sql** into their home directories.
- c. Next, change your directory to the directory where you copied the database.
- d. Run the command

```
mysql -u yourMySQLAccountName -p dbX < ithaca.sql
```

where **dbX** is the database that you were assigned in class. See the class web site for database assignments. Note that **yourMySQLAccountName** is your account name, not the name of the person that originally created the database.

2. Now create PHP scripts that return the results of the following queries. If your script needs to receive information, use POST. Your scripts must be in your **public_html** directory. You do *not* have to use JSON in these scripts.
 - a. Write a script that takes no information and returns the name (first and last) of all sales people and their offices.
 - b. Write a script that takes no information and returns the names of all sales people who work with HP (note that more than one person should work with HP. If that’s not true in your database, modify the database so that it is true).

- c. Write a script that receives (via POST) a sales person name and returns all the customers that sales person works with. There is an example web page that you can copy into your **public_html** directory and use to test your script. Either:
 - i. go to the class web site (Assignments->Labs->lab8.html), download the file and use a sftp program to upload the file to your **public_html** directory on the server
 - ii. or log into the server and copy the file from **/home/barr/Student/Comp205/examples/lab8.html** to your **public_html** directory.
 - d. To test the scripts in a and b you just need to go to the script in a browser. For example, if my answer to part a was stored in a file named script1.php, I would enter <http://cs-ithaca.eastus.cloudapp.azure.com/~barr/script1.php> in the URL bar at the top of the browser.
 - e. For the script in c, you'll need to create a HTML file with a form. The form will just need a text box for the name of the sales person. If your database has separate fields for first and last name, your HTML form will need two text boxes.
3. When the scripts from part 2 are complete show it to the instructor or TA and have them sign this sheet. **You must turn in this sheet.**

Instructor/TA signature