CSCI 330 Database Systems
Homework 2
Total Point: 20 (5% of course grade)

Goal

The goal of this homework is to learn and practice more SQL commands (both basic and intermediate) for MySQL.

What to do

1. Login to MySQL server (**mysql.cs.wwu.edu**) by using the database credentials (username and password) provided in the class.

2. We will use a publically available database named Chinnok (http://chinookdatabase.codeplex.com).

   The schema of this database is available here: http://chinookdatabase.codeplex.com/wikipage?title=Chinook_Schema&referringTitle=Home.

   Use the SQL script (Chinook_MySql.sql) which is available on canvas. This SQL script file was collected from the website (with a minor modification) mentioned above. It might take a couple of minutes to finish executing the entire script (~16K lines of SQL code).

   Please keep in mind: The first two queries of the script are as follows:

   CREATE DATABASE **yourusername**_Chinook;

   USE **yourusername**_Chinook;

   Please replace "yourusername" text with your actual username.

3. Write SQL queries for the following.

   a. Find distinct track names that start with "Z". Sort the output alphabetically.

   b. Find the first names of the employees who are older than their supervisor. **Hint**: ReportsTo attribute in Employee table stores the EmployeeId of the supervisor. Sort the output alphabetically.

   c. Find the name of the highest priced track. If more than one track has the highest price, return the names of all such tracks. Sort the output alphabetically based on the track name.

   d. Find a list containing the total amount spend by a customer. Include the customer's id and the last names along with the total amount. For customers

who did not make any purchase, make sure to include them as well (the total should be 0.00 for those customers).

e. Find the title of the highest priced album.

f. Fin a distinct list containing the titles of albums that are never sold. Consider an album never sold if none of its tracks are sold. Sort the output alphabetically.

g. Create a view that returns customers' first and last names along with corresponding sums of all their invoice totals. Name the view as "CustomerInvoices".

What to submit

You have to submit all the SQL queries and the output of the query. If the output contains more than six tuples then give the top six tuples.

Submission Instructions

- Put all SQL queries and output in one single doc/docx file.
- Convert the file to pdf file. The file name should be **YourLastName-330-HW2.pdf**.
- Upload the pdf file on canvas.

Late Policy:

- No late work will be accepted.