CIS 3368 - Homework 1, Spring 2024 – **Deadline February 10th 11:59pm**

Command Line based drink order manager

This homework requires you to have a remote MySQL database setup in AWS.

1. Please create a new table for this assignment named **drinks**. In this table you need at least the following columns:

    id, drinkname, price, color, description

2. You may add additional columns as you like. The **id** should be **autogenerated**. Use appropriate data types. I recommend you use **MySQL Workbench** for creating the table. (https://www.mysql.com/products/workbench/). But you can use any tool that you are comfortable with. Fill your table with at least 10 records using MySQL Workbench.

3. The main objective of this project is to record the order of drinks and calculate the total price. It's important that you set up the commands, which users can use to pick drinks in the **command line**.

    The program initially outputs the list of all available drinks and prices, each represented by a number starting at 1, for instance:

    1 – Manhattan: $12.99

    2 – Tequila Sunrise: $14.98

    etc.

    The user is asked if they want to start an order, or get information about a drink. If they choose to get information, they can enter a number that represents the drink they want more info on, and the program outputs the corresponding drink's description and its color. If the user wants to start an order, the user is asked to enter the number of the drink they want to add to the order. Once the number is entered, the program should ask the user if they would like to add another drink. This repeats until the user no longer wants to add drinks to the order. Once the order is complete, the program calculates the total and prints the receipt to console (a list of all ordered drinks, their corresponding price, and the total for the entire bill).

4. Utilize the python-mysql-connector module to connect to your database and read the records.

Other Requirements

- Make sure the username and password for the database you setup are credentials you're willing to share. **Do not use personal passwords for this homework,** which you might be using anywhere else. **Make sure the database password is of significant length.**

- **Make sure your project compiles and runs.**

   If the project doesn't run, you will forfeit points.

Using GitHub Classroom to setup the remote repo for this assignment

To set up the remote GitHub repository for your submission correctly, please follow the link below to accept the assignment via GitHub classroom.

https://classroom.github.com/a/gdwPe-ZR

You will then have an empty repository in GitHub.

What to Turn in

Commit your source code (**properly commented**) to your private repository in the GitHub classroom. **Do not zip the files together. Do not use the file upload function on Github, or you will forfeit points.** Your GitHub repository should show **at least 3 meaningful commits** illustrating how you worked through the problem (for instance initial commit + add functionality + output functionality as individual commits)

Submit the **link to your GitHub repository** containing your homework via **CANVAS**. You can make the CANVAS submission as soon as you have your url, **so you don't forget.**

Basic Grading rubric for this homework

Item	Points
DB Table setup in AWS, adding records	10
Code for working Command Line Menu	15
Code to output drink information	20
Code to output the correct receipt and total price	35
Submitted via GitHub Classroom/**Link provided in CANVAS**	5
3 meaningful commits showing progress, **no file upload**	15
Total	**100**