CIS 3368 - 19296 - Homework 1, Spring 2022

Command Line based Garage Manager

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

- 1. Please create a separate table for this assignment named **garage**. In this table you need at least the following columns:
 - id, make, model, year, color. You may add additional columns as you like.Fill your table with at least 15 records. I recommend you use MySQL Workbench for

creating the table and inserting data into the table. Use appropriate data types.

- (https://www.mysql.com/products/workbench/). But you can use any tool that you are comfortable with.
- 2. The main objective of this project is to manage cars in a garage. It's important that you set up the commands users can use to enter the car details on the command line.
 Implement a menu of options for a user to modify the car details. Each option is represented by a single character. The program initially outputs the menu, and outputs the menu again after a user chooses an option and finished the corresponding process. The program ends when the user chooses the option Quit. The menu should look like this:

MENU

- a Add car
- d Remove car
- u Update car details
- r1 Output all cars sorted by year (ascending)
- r2- Output all cars of a certain color
- q Quit
- 3. Implement all the features as listed in the menu using a database table to store the car records. Utilize the python-mysql-connector module.

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/CexmdHdy

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.** Your GitHub repository should show **multiple meaningful commits** illustrating how you worked through the problem.

Submit the link to your GitHub repository containing your homework via Blackboard.

Basic Grading rubric for this homework

Points
10
60
20
5
5
100
(up to -50)