**Assignment: SQL #1
Getting Data out of the Database**

For this assignment, you will be working with the same movie rental database as the in-class exercise (MovieDB). The schema is also the same, so you can use the one provided for the in-class exercise as a guide.

You will construct **a single SQL query** using MySQL Workbench that provides the answer to each of the questions below. You should also provide the answer to the question. Some of the questions can be answered by querying one table; others will require joining multiple tables to get the answer.

**Guidelines**

* You must submit your answers electronically in a single Word document. You can copy and paste the SQL query and the results from SQL Workbench.
* You must include your name at the top of the document.
* Your answers should be emailed, as an attachment, to your instructor with the subject:

 **MIS2502: SQL Assignment #1**

* The email must be sent by the start of class the day the assignment is due.

***If you do not follow these instructions, your assignment will be counted late.***

**Evaluation**

Your submission will be graded using two factors:

* A correctly formed SQL query that answers the specific question asked (no extra rows or columns).
* Providing the correct answer to the question (the answer the query provides).

**Questions**

1. What is the rental rate and replacement cost for the film “Pet Haunting”?
2. What are the special features for the film “Terminator Club”?
3. What are the three most popular first names among the actors in the database?
4. Which movies are the most expensive to rent on average with regard to rating (i.e., G, PG, R, NC-17)?
(HINT: List average prices for all ratings, with the highest average price at the top of the list)
5. How many PG-13 movies mention a ‘robot’ in their description?
(Hint: use WHERE…LIKE with a wildcard. Remember, %dog% will match any value containing “dog”)
6. Who were the stars of the movie “Mosquito Armageddon”?
7. Who has starred in movies in the Mandarin language?
(Two hints: (1) Create the query to only return the first five, in alphabetical order by last name; (2) Be sure to reference the language name “Mandarin” in your query.)
8. Who has rented the fewest movies? How many movies did they rent?
(Hint: Get a list of all customers and the number of movies they rented, arranged in ascending order and returning only the first row – assume there’s only one customer with the lowest value.)
9. What is the longest G-rated movie in English? And how long is it?
(Hint: Use a subselect statement with the MAX() function to return only the longest movie.)
10. What was the longest movie starring Salma Nolte? And how long is it?
(Hint: Use a subselect statement with the MAX() function to return only the movie with the greatest length by Salma Nolte.)