**CS-248 Assignment Web 7 (50 points)**

**Due Tuesday April 4th by the start of class**

Tiny IMDB is a small subset of the IMDB database with a limited number of movies and actors included. Enter a few queries to become familiar with the database (browse the database). Answer the following questions by writing the proper SQL for each query by testing the query at the web page from class. Paste the SQL query (not the results) into this document and dropbox the document for submission.

<http://mscs-php.uwstout.edu/2010sp/cs/248/002/masont/tinyimdb/imdbsql.php>

Write the SQL queries to answer the following questions (test on the webpage above and paste or write on this document):

1. List all of the contents of the Directors table.

SELECT \*

FROM Directors

1. List the unique genres stored in the movies\_genres table.

SELECT DISTINCT genre

FROM movies\_genres

1. Output the count of the number of total actors in this database.

SELECT count(\*)

FROM Actors

1. Output the count of the number of female actors in this database.

SELECT count(\*)

FROM Actors

WHERE gender = "F"

1. What is the average, minimum, and maximum rank of movies?

SELECT avg(rank), min(rank), max(rank)

FROM Movies

1. List all actors’ names and their roles in movies during the 1970s.

SELECT name, role

FROM Movies

JOIN Roles ON Movies.id = roles.movie\_id

WHERE year >= 1970 and year < 1980

1. Return all the actors roles and the director information for the movie Star Wars.

SELECT role, director\_id

FROM Movies

JOIN Roles ON Movies.id = roles.movie\_id

JOIN Movies\_Directors md ON Movies.id = md.movie\_id

WHERE name = "Star Wars"

1. List all directors for movies released in 2000 or after.

SELECT director\_id

FROM Movies

JOIN Movies\_Directors md ON Movies.id = md.movie\_id

WHERE year >= 2000

1. List all roles played by actress with first name Uma where the movies are in the action genre stored in this database.

SELECT role

FROM Roles

JOIN Actors ON Actors.id = Roles.actor\_id

JOIN Movies ON Roles.movie\_id = Movies.id

JOIN Movies\_Genres mg ON mg.movie\_id = Movies.id

WHERE first\_name = "Uma" and genre = "Action"

1. List all actors and their roles for each comedy genre movie in the database.

SELECT first\_name, last\_name, role

FROM Roles

JOIN Actors ON Actors.id = Roles.actor\_id

JOIN Movies ON Roles.movie\_id = Movies.id

JOIN Movies\_Genres mg ON mg.movie\_id = Movies.id

WHERE genre = "comedy"