

CS 451 - Fall 2006

Final Project/Exam

Due Date: December 11, 1:25 p.m. (Final Exam = 20%)

Place: ELS 104

I Overview:

1. Download and install MySQL (assuming there's no version installed) on a Linux machine in lab 104. Type `ps -A | grep mysqld` to check if the mysql daemon is running. Downloads are available at <http://www.mysql.org>.
2. Create a user and a password in the MySQL users table.
3. Create a database that grants all privileges to the user you created.
4. Download and install php with mysql support (assuming it is not installed). Run a simple php script that calls `mysql_connect()` to check if php has support for mysql.
5. Create tables that represent the ER diagram (attached below), remember to include keys and foreign keys in the table definitions (25 pts).
6. Populate the tables with data (the data should allow you to successfully fulfill the queries outlined below). (10 pts)
7. Create a set of php functions that support adding a user, modifying a user, deleting a user, adding a video, and deleting a video. Assume the functions be imbedded into an html page. (25 pts)
8. Create a query in php that searches for video by the owner's state of residence and a video keyword. (15 pts)
9. Create a query in php where you have to use a join and projection. (10 pts)
10. Be able to login to show me the actual data in the database, thus be familiar with the following MySQL commands: use, show, select, describe, create, join. I will ask you to log into MySQL to peruse and query the database. (15 pts)

II Grading:

1. We will use the final exam time to demonstrate the functionality of your database and php code.
2. You will be asked to run your php scripts.
3. You will be asked to login into MySQL and execute various commands.

NAME _____

II Grade Sheet: (print and bring to class)

Task	Possible Points	Actual Points	Comments
Create DB/Tables	25		
Populate with Data	10		
Create Functions	1 Add User (5) 2 Modify User (5) 3 Delete User (5) 4 Add Video (5) 5 Delete Video (5)		
Create Query 1	15		
Create Query 2	10		
Demonstrate MySql Knowledge	15		
TOTAL	100		

