**CPSC332 Final Project**

Due 12/9

Part 1 Due 11/18 20% of Project grade

Design an E-R Diagram for an Art Gallery. Gallery keeps information about:

**Artist** their Name(unique), Phone, Address, Birth place, Age & Style of Art,

**Art Work**, Artist, Unique title, Type of art, date of creation if known (can be NULL), date acquired by gallery, Price, location (Blue Room, Front Room, Basement, etc.)

**Customer**, Customer Number, Phone, Art preferences

**Art shows,** Artist, date and time, location, contact, contact phone

Part 2 Due 12/2 30% of project grade

Make a database from the art gallery ER assignment that you have already submitted. You may, if you wish, expand the earlier ER. Then, being creative, populate each table with at least 4 tuples each.

Submit printouts of both the populated tables, and the scripts used to accomplish them.

Some Types include

* Surrealism. ...
* Conceptual Art. ...
* Pop Art. ...
* Photorealism. ...
* Hyperrealism. ...
* Minimalism. ...
* Religious
* Works of 19th century
* Still Life
* Pottery
* Sculpture

Part 3 Due 12/9 50% of project grade

Access Gallery Database Using a High-Level Language

Acceptable Languages:

C or any version (C++,C#, etc.)

PHP

XML

Java

Python

Write an application that allows a user to:

Print records from the DB

Access any record based on attribute values

Sort a report according to art style

Produce a second report showing customers whose art preference is the same as shown in any given art show. Include customer name and phone in report.

Program may use either dynamic or static sql, but static is preferred.

Submit your program source and object code and a printout of query results.

**Grading Rubric**

Part 1 – ER Diagram Due 11/18

Show all required tables, Primary and foreign keys, and relationships

Diagrams must utilize software, such as MS Vizio or similar application, not hand drawn

Part 2 – Create database and populate it. Due 12/2

All tables conform to ER diagram submitted in part 1. If changes are required, resubmit part 1

Some styles should include more than one artist

eg

Joe Jones – Sculpture

Jane Smith - Sculpture

Part 3 Due 12/9

Program is properly documented (I believe good programming includes liberal commenting.) This becomes essential in businesses in which programs are maintained by someone other than the original programmer.

Report is complete

Report is properly formatted