MARMARA UNIVERSITY

FACULTY OF ENGINEERING
COMPUTER SCIENCE & ENGINEERING
DEPARTMENT

CSE3055
DATABASE SYSTEMS
Homework #2

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I hereby swear that the work done on this homework is totally my own; and on my honor, I have neither given nor received any unauthorized and/or inappropriate assistance for this homework. I understand that by the school code, violation of these principles will lead to a zero grade and is subject to harsh discipline issues.
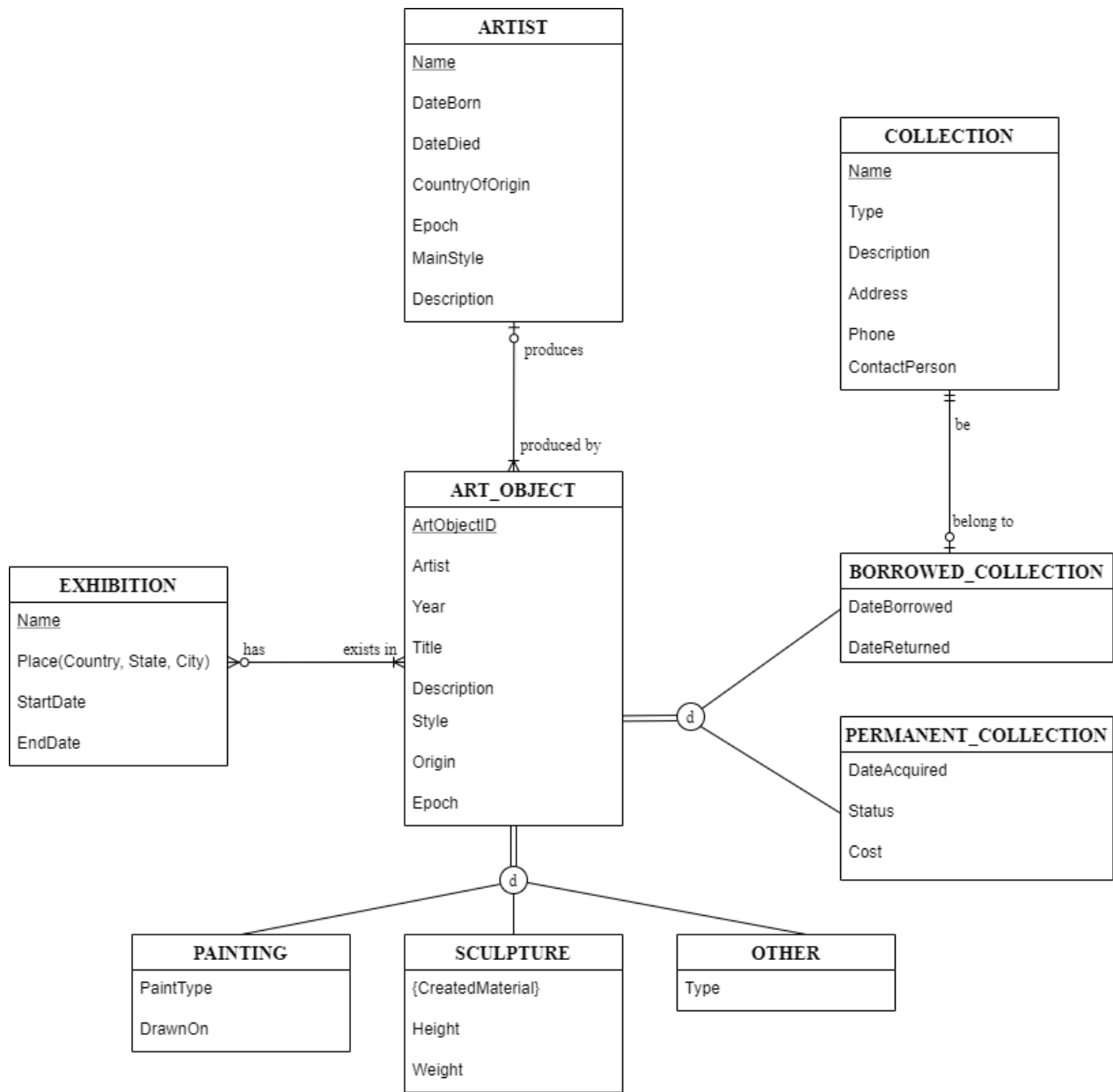
1)

Assumptions:

1) Each SSN of Professors considered as unique.

2) Each SSN of Graduate Student considered as unique.

3) Each ProjectNumber of Project considered as unique.

4) Each DepartmentNumber of Department considered as unique.

5) Each graduate student must have exactly one professor as a supervisor.

6) Each department is run by exactly one professor.

7) Each department is worked by one or more professor.

8) Each department must have one or more graduate students.

9) Each graduate student is advised by exactly one advisor.

10) Each advisor may advise many students.

2)

Assumptions:

1) Each collection may be at most one borrowed collection at the same time.

2) Each borrowed collection must belong to exactly one collection.

3) Each artist must produce one or many art objects.

4) Each art object may be produced by at most one artist.

5) Each exhibition must have one or many art objects.

6) Each art object may exist in many exhibitions.

7) Each art object has to have a style attribute, so that style has to exist in ART_OBJECT.