

Intro to Database HW1

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Chapter1 Intro

Exercise 1.10:

relation ships

1. **STUDENT** can **TAKE COURSE**, **TAKE** should be a M to N relationship
2. **COURSE BELONE_TO SECTION**, **BELONE_TO** should be a 1 to N relationship
3. **STUDENT HAS GRADE_REPORT**, **HAS** should ba a 1 to N relationship
4. **PREREQUISITE HASCOURSEAS_DESTINATION COURSE**, **HASCOURSEAS_DESTINATION** should be a N to 1 relationship
5. **PREREQUISITE PREREQUEST** should be a N to 1 relationship

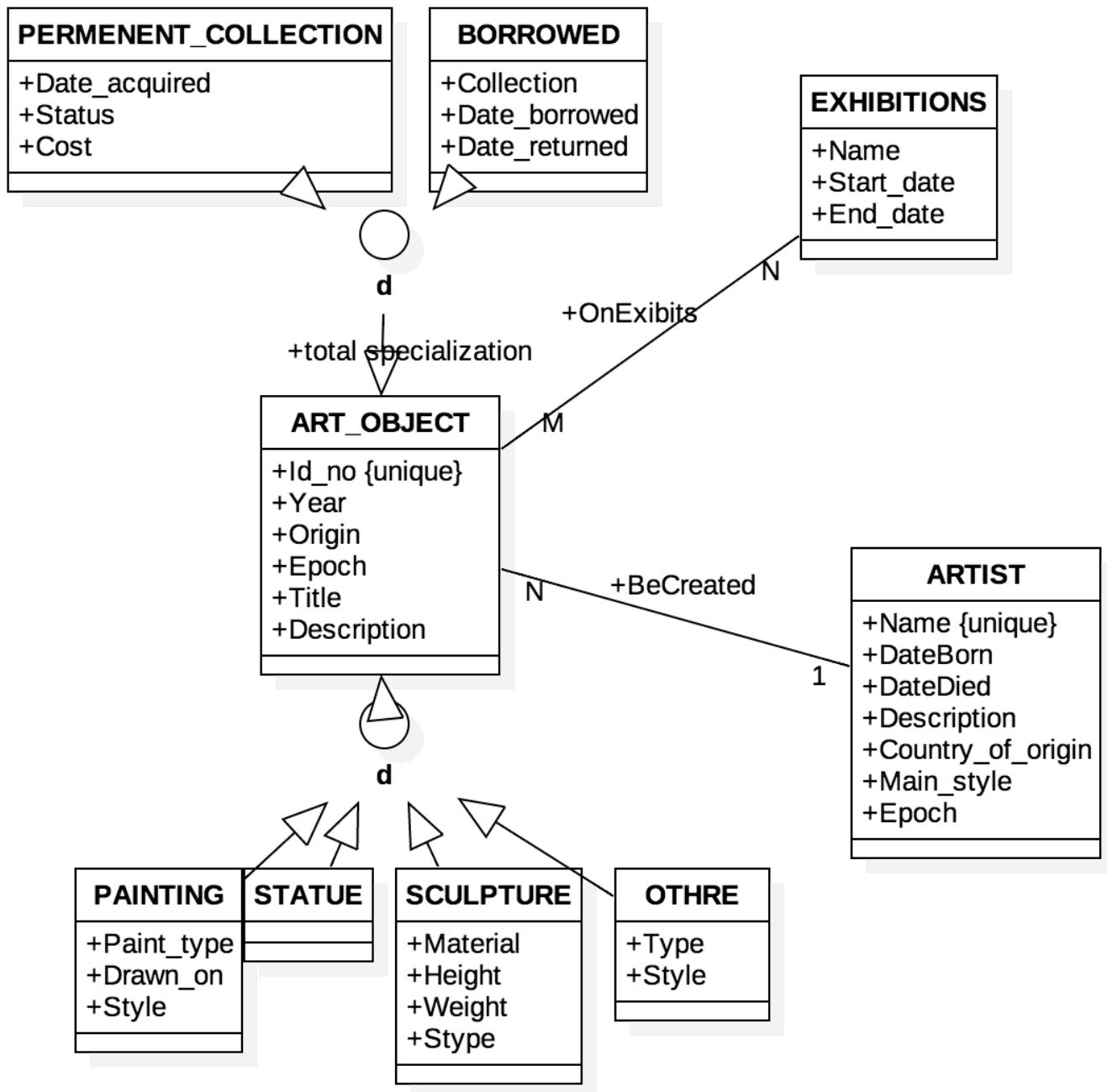
Chapter3 Entity Relationship

Exercise 3.21:

Exercise 4.20:

The EER diagram of the designed database is shown as follow:

Some diagrammatic notation is not found in starUML(the UML tool I use), the specification/generalization is replaced by Generalization(UML) to a interface with d(stands for disjointness), and the completeness for specification is shown as text. {unique} stands for key attribute.



Exercise 4.26:

diagram c is wrong for the superclass is not shown in the diagram