Term Project
bool-aid
L02 - 28
ENSF 300 L01

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Github Link:

https://github.com/ENSF-300-F23/museum-project-bool-aid.git

Part 1 Conceptual Database Design:

Material

Height

Style

Style

Weight

Туре

An *ARTIST* has a unique name as its primary key which can be referenced by *ART_OBJECTs*. We assumed that an *ARTIST* can make multiple pieces of art, but an art piece only has one artist. An *ART_OBJECT* has a unique ID number as its primary key. It must be a painting, sculpture, statue, or another kind of art piece. It must also be part of the permanent collection or borrowed collection. We made subclasses of *ART_OBJECT* to meet these conditions, although we decided to combine the sculpture and statue subclasses into a single subclass because they had the exact same attributes. An *ART_OBJECT* must be a *PAINTING*, *SCULPTURE_STATUE*, or *OTHER*; and must be either *PERMANENT_COLLECTION* or *BORROWED_COLLECTION*. If an *ART_OBJECT* is *BORROWED_COLLECTION*, it must be in a *COLLECTION* and will reference the *COLLECTION*'s name. We assumed that a *COLLECTION* can have multiple *BORROWED_COLLECTION* and a *BORROWED_COLLECTION* can only be in one *COLLECTION*. An EXHIBITION has a unique name as its primary key. We assume that it must exhibit at least one art piece and one art piece can be in multiple EXHIBITIONs. An EXHIBITION has the ID(s) of the art piece(s) that it exhibits.

EER Diagram: Date_died Country_of_origin Date_born Epoch Start_date End date ARTIST Main style Name Name **EXHIBITION** Description Description Type CREATES Art id HAS Address Name COLLECTION Title Phone ART_OBJECT Description Contact_person ld_no Origin Epoch Date_borrowed Paint_type BORROWED SCULPTURE PAINTING OTHER Date_returned STATUE Drawn_on PERMANENT Style COLLECTION

Date_acquired

Cost

Status