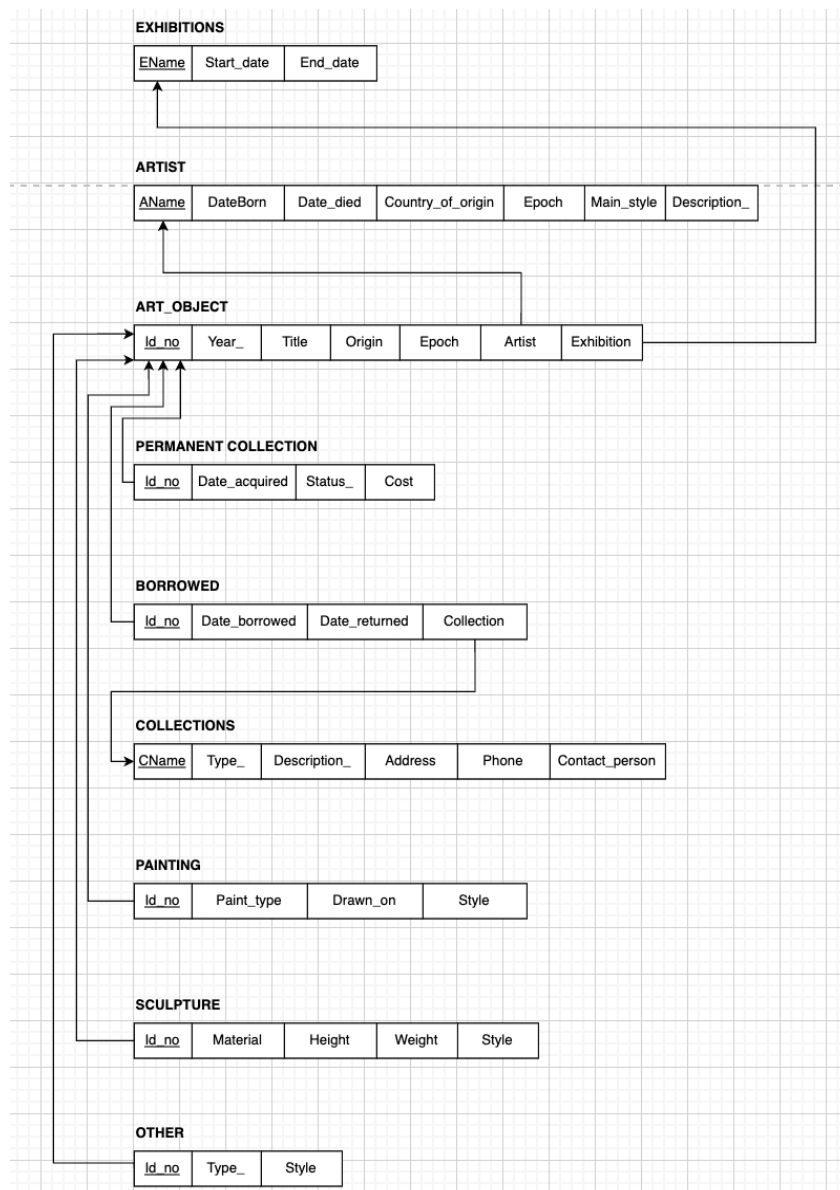


ENSF 300
Final Project EERD
Github Group Name: Top Frags
D2L Group #17

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Art Museum Relational Diagram



Design Explanation

This relational model consists of nine different entities: EXHIBITIONS, ARTIST, ART_OBJECT, PERMANENT_COLLECTION, BORROWED, COLLECTIONS, PAINTING, SCULPTURE, and OTHER. The most referenced entity is ART_OBJECT, which is branched off into many sub-entities and groups.

Since 'Art_Object' is the superclass entity, we needed to separate subclass entities such as PERMANENT_COLLECTION, BORROWED, PAINTING, SCULPTURE, and OTHER. Included in each of these groups is the foreign key reference to the ART_OBJECT primary key 'ID_no', and they all point back to the original attribute in ART_OBJECT since they were made as subclasses of it. ART_OBJECT references unique keys like EName in Exhibitions (with the Exhibition foreign key) and AName in Artist (with the Artist foreign key), since it has relationships with these other entities. The other attributes in this entity consist of Year, Title, Origin and Epoch.

'ARTIST' is made up of the attributes AName, DateBorn, Date_died, Country_of_origin, Epoch, Main_style, Description.

'EXHIBITIONS' is made up of the attributes EName, Start_date, and End_date.

'PERMANENT_COLLECTION' is made up of the attributes Id_no, Date_acquired, Status, and Cost.

'BORROWED' is made up of the attributes Id_no, Date_acquired, Status, and Collection. The Collection attribute is actually a foreign key pointing to the CName primary key attribute in the 'COLLECTIONS' entity since these entities have a 'PART_OF' relationship between them based on the EERD.

'COLLECTIONS' is made up of the attributes Cname, Type, Description, Address, Phone, Contact_person.

'PAINTING' is made up of the attributes Id_no, Paint_type, Drawn_on, and Style.

'SCULPTURE' is made up of the attributes Id_no, Material, Height, Weight, and Style.

Finally, 'OTHER' is made up of the attributes Id_no, Type, and Style.