Relational Model

ART_OBJECT

IDNum	Epoch	Origin	Year	Title	Description	Art_type	Material	Style	Height	Weight	Type	Paint_type	Artist_name

PERMANENT

IDNum	Status	Cost	Date_acquired

BORROWED

IDNum	Date_borrowed	Date_returned	Collection_name

COLLECTION

Name	Type	Description	Address	Phone	Contact_person

ARTIST

Name	Date_born	Date_died	Origin_country	Epoch	Description	Main_style

DISPLAYS

Object_IDNum	Exbn_Name

EXHIBITION

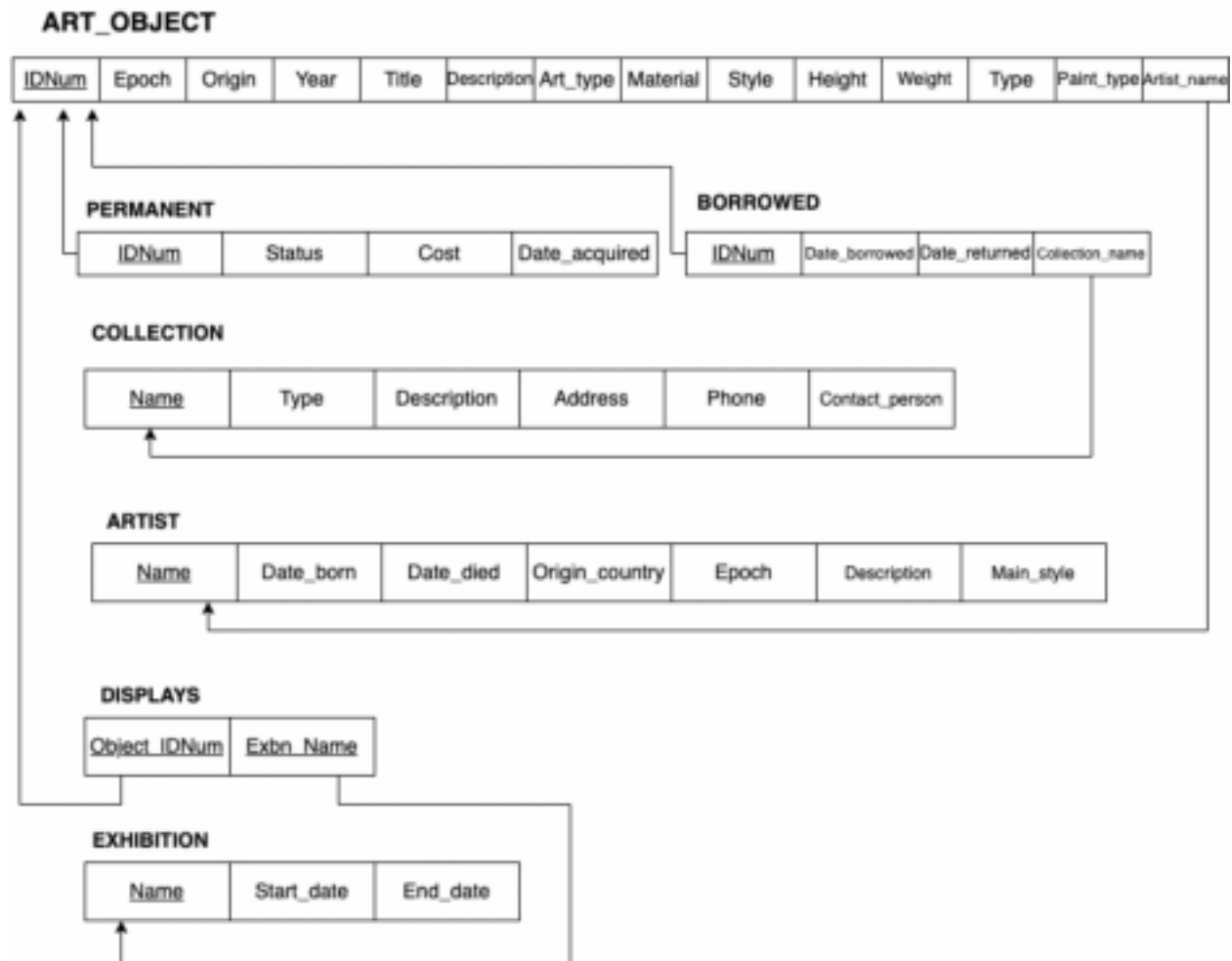| Name	Start_date	End_date

Design Choices:

For the implementation of the specializations from the ER diagram, different options were used for mapping them. For the art type specialization (bottom of the EER diagram), option 8C (single relation with one type attribute) was used as many of the subclasses shared the same attribute names, therefore making it easier to simply create a single relation with a type attribute (which is the Art_type attribute in the model above) to integrate all of these attributes, instead of multiple relations sharing some similar attribute names. For the ownership status specialization (top of EER diagram), option 8A (multiple relations - subclass and superclass) was used to make the relationship between borrowed objects and other collections more simplistic to visualize in the model.