

CSCI-3901-Assignment6-Problem1

Name: Pratheep Kumar Manoharan

BannerId: B00837436

Files:

CSCI-3901-Assignment6-Problem1.pdf

CSCI-3901-Assignment6-Problem2.pdf

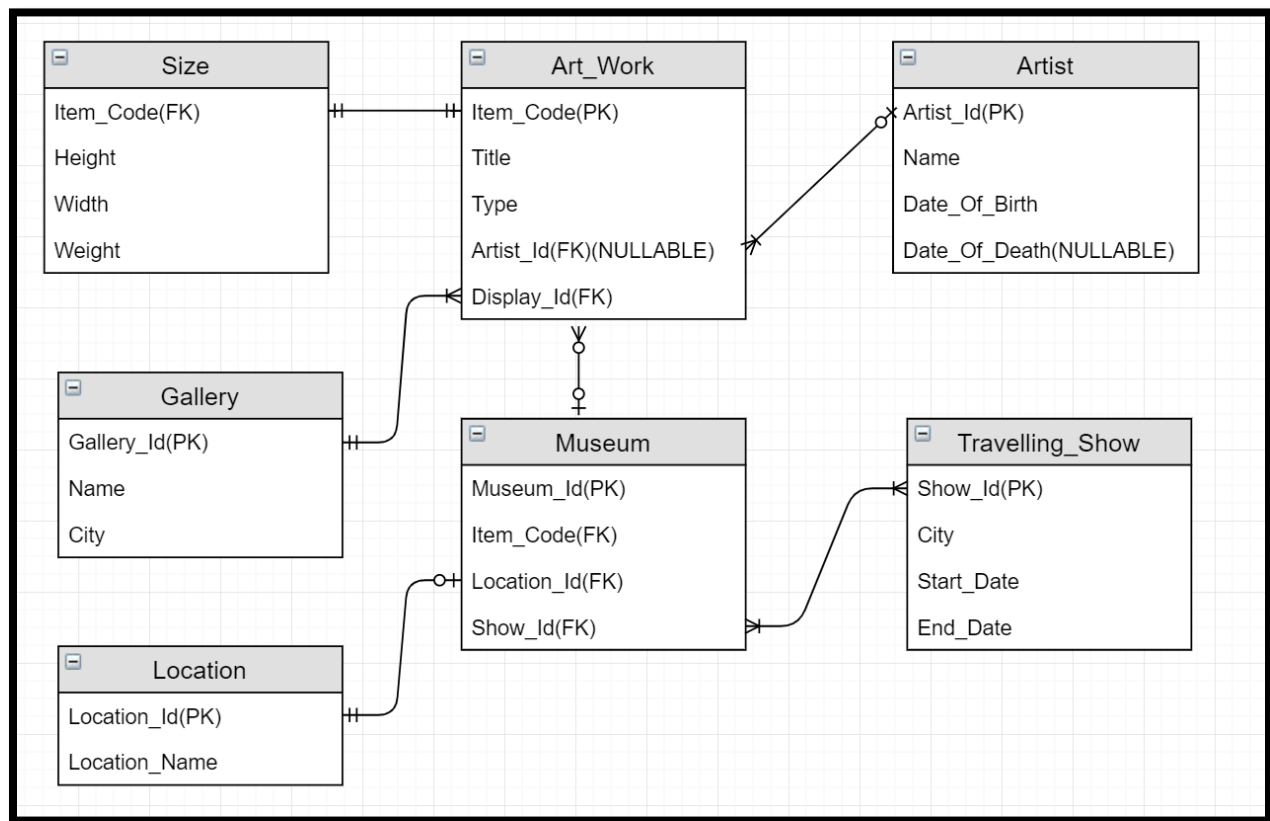
CSCI-3901-Assignment6-Problem2-Argument.pdf

SQL_Statements_Problem2.sql

Objective:

To learn how to design a database with entity relationship diagram.

Entity relationship diagram:



Description:

Entities: Size, Art_Work, Artist, Gallery, Museum, Travelling_Show, Location

Relations:

- Each artwork has a size. So, one artwork is mapped to one size. Ended up creating one to one relation.
- An artwork may or may not have an artist associated with it. So, none to one relation is created. An artist may have created one or many artworks. Only artists with arts are in database. So, one to many relations is created.
- A gallery may have loaned one or many artworks from many museums. So, one to many relations is marked. An artwork can be associated with only one gallery if it is loaned. So, one to one relation is formed.
- An artwork may or may not be associated with a museum. So, none to one relation. A museum may have one to many artworks. So, one to many relations.
- An artwork if its in museum have location otherwise no location. So, none to one relation. An artwork in museum have only one location. So, one to one relation.
- A travelling show may contain many artworks of many museum. So, one to many relations among them.