Project Overview:

An art corporation sells paintings from multiple galleries and requires a database to keep track of sales records of paintings from galleries to customers, including customerID and orderID. The database will also keep track of paintings that exist in each gallery as well as if a gallery contains paintings of a specific artist. Database is recorded and updated after an order has been placed. Database will be able to accommodate 200 orders annually. Our galleries can hold approximately 400 pieces of art for sale and the database will be able to accommodate approximately the listing and record of 10 years of paintings acquired and sold by the gallery at 4000. The site consists of 7 pages, Home, Artists, Customers, Galleries, Paintings, Orders, Custom Search. Artists, Customers, Galleries, Paintings, Orders pages are used to display current tables for each respective entity and for inserting, updating and deleting from each entity. The custom search page can be used to lookup a specific entry using a user inputted search from a user selected table.

Database Outlines:

Orders:

orderID; int, auto_increment, unique, not NULL, PK

customerID: int, not NULL, FK

Relationship: a 1:M relationship between Orders and Paintings implemented with orderID as a FK inside of Paintings

Purpose: To keep track of incoming orders and which orders belong to which customer.

Paintings:

paintingID: int, auto_increment, unique, not NULL, PK

artistID: int, not NULL, FK

artType: varchar, not NULL

price: int, not NULL

galleryID: int, not NULL, FK

orderID: int, FK

Purpose: To keep track of information of each painting (artist/artType), which gallery contains the painting and if the painting has been purchased in an order.

Relationship: (as described in other entities' relationship to Paintings)

Teammate responsible: Patrick

Customers:

customerID: int, auto_increment, unique, not NULL, PK

customerFirstName: varchar

customerLastName: varchar, not NULL

Relationship:a 1:M relationship between Customers and Orders implemented with customerID as a FK inside of Orders

Purpose: To keep track of information pertaining to each customer.

Teammate responsible: Patrick

Artists:

artistID: int, auto_increment, unique, not NULL, PK

artistFirstName: varchar

artistLastName: varchar, not NULL

Relationship: a 1:M relationship between Artists and Paintings implemented with artistID as a FK inside of Paintings

Purpose: To keep track of information pertaining to each artist.

Teammate responsible: Zhen

Galleries:

galleryID: int, auto_increment, unique, not NULL, PK

galleryName: varchar, not NULL

Relationship: 1:M relationship between Galleries and Paintings implemented with galleryID as a FK inside of Paintings

Purpose: To keep track of information pertaining to each gallery.

Teammate responsible: Zhen

OrdersToGalleries:

orderID; int, not NULL, FK

galleryID; int, not NULL, FK

Relationship: a M:M relationship between Orders and Galleries implemented with a table having orderID and galleryID both as FK.

Purpose: To keep track of relationship between orders and galleries.

Teammate responsible: Patrick

ArtistsToGalleries:

artistID; int, not NULL, FK

galleryID; int, not NULL, FK

Relationship: a M:M relationship between Artists and Galleries implemented with a table having artistID and galleryID both as FK.

Purpose: To keep track of relationships between artists and galleries.

Teammate responsible: Zhen

*ArtistsToGalleries was not implemented since only 1 M:M table is required