Art Gallery Project

Group 5

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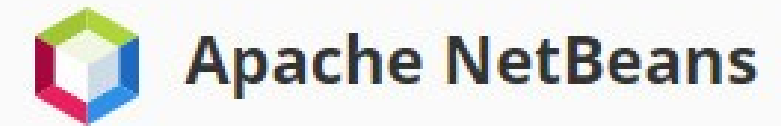
- Result

- QnA

Objectives

Provide a robust database system for organizing and managing paintings and painting collections

Receiving orders and then delivering art to customers
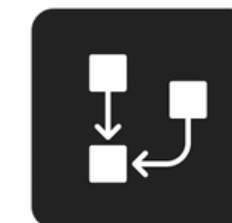
Methods

+ Java (Netbeans)

+ MySQL

+ XAMPP

+ Draw.io

+ Drawsql.com

ERD

Result

Tables

Table	attributes
Artworks	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY TITLE varchar(255) NOT NULL ABOUT text NOT NULL CREATED_YEAR int NOT NULL IS_FOR_SALE boolean NOT NULL PRICE decimal(8, 2) NOT NULL GALLERY_ID int UNSIGNED NOT NULL ARTIST_ID int UNSIGNED NOT NULL
Shippers	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY SHIPPER_NAME varchar(255) NOT NULL PHONE varchar(20) NOT NULL ACCOUNT_ID int unsigned NOT NULL
Exhibitions	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY EXHIBITION_NAME varchar(255) NOT NULL DETAIL text NOT NULL START_DATE date NOT NULL NOT NULL END_DATE date NOT NULL GALLERY_ID int unsigned NOT NULL
Accounts	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY USER_NAME varchar(255) NOT NULL PASSWORD varchar(255) NOT NULL ROLE_ID int unsigned NOT NULL
Roles	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY ROLE_NAME varchar(20) NOT NULL UNIQUE
Artists	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY FULLNAME varchar(255) NOT NULL ABOUT text NOT NULL BIRTH_YEAR year NOT NULL DEATH_YEAR year NOT NULL
Orders	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY USER_ID int unsigned NOT NULL SHIPPER_ID int unsigned NOT NULL ARTWORK_ID int unsigned NOT NULL ORDER_TIME datetime NOT NULL
Galleries	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY GALLERY_NAME varchar(255) NOT NULL ADDRESS TEXT NOT NULL
	ACCOUNT_ID int unsigned NOT NULL
Interactions	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY USER_ID int unsigned NOT NULL ARTWORK_ID int unsigned NOT NULL INTERACTION_TIME datetime NOT NULL
Users	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY FIRST_NAME varchar(20) NOT NULL LAST_NAME varchar(20) NOT NULL PHONE varchar(20) NOT NULL UNIQUE ADDRESS text NOT NULL ACCOUNT_ID int unsigned NOT NULL
Items	ID int unsigned NOT NULL AUTO_INCREMENT PRIMARY EXHIBITION_ID int unsigned NOT NULL ARTWORK_ID int unsigned NOT NULL

Roles	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **ROLE_NAME** varchar(20) NOT NULL UNIQUE
Accounts	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **USER_NAME** varchar(255) NOT NULL **PASSWORD** varchar(255) NOT NULL **ROLE_ID** int unsigned NOT NULL
Users	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **FIRST_NAME** varchar(20) NOT NULL **LAST_NAME** varchar(20) NOT NULL **PHONE** varchar(20) NOT NULL UNIQUE **ADDRESS** text NOT NULL **ACCOUNT_ID** int unsigned NOT NULL
Galleries	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **GALLERY_NAME** varchar(255) NOT NULL **ADDRESS TEXT** NOT NULL
	ACCOUNT_ID int unsigned NOT NULL
Shippers	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **SHIPPER_NAME** varchar(255) NOT NULL **PHONE** varchar(20) NOT NULL **ACCOUNT_ID** int unsigned NOT NULL

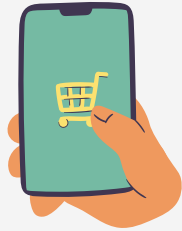|	
Artworks	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **TITLE** varchar(255) NOT NULL **ABOUT** text NOT NULL **CREATED_YEAR** int NOT NULL **IS_FOR_SALE** boolean NOT NULL **PRICE** decimal(8, 2) NOT NULL **GALLERY_ID** int UNSIGNED NOT NULL **ARTIST_ID** int UNSIGNED NOT NULL
Artists	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **FULLNAME** varchar(255) NOT NULL **ABOUT** text NOT NULL **BIRTH_YEAR** year NOT NULL **DEATH_YEAR** year NOT NULL

Exhibitions	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **EXHIBITION_NAME** varchar(255) NOT NULL **DETAIL** text NOT NULL **START_DATE** date NOT NULL NOT NULL **END_DATE** date NOT NULL **GALLERY_ID** int unsigned NOT NULL

Items	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **EXHIBITION_ID** int unsigned NOT NULL **ARTWORK_ID** int unsigned NOT NULL

Interactions	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **USER_ID** int unsigned NOT NULL **ARTWORK_ID** int unsigned NOT NULL **INTERACTION_TIME** datetime NOT NULL

Orders	**ID** int unsigned NOT NULL AUTO_INCREMENT PRIMARY KEY **USER_ID** int unsigned NOT NULL **SHIPPER_ID** int unsigned NOT NULL **ARTWORK_ID** int unsigned NOT NULL **ORDER_TIME** datetime NOT NULL

The End

THANKS FOR LISTENING