

**N. K. Orchid College of Engineering & Technology,  
Solapur.**



**Database Management System Project  
Art Gallery Management System**



**Team members :- A4 10<sup>th</sup> Group**  
**60 Sagar Birajdar**  
**65 Arshad Perampalli**

## INTRODUCTION :-

Art Gallery Management System is a software application designed to streamline the process of managing an art gallery. The system provides a centralized database for storing information on artists, artworks, exhibitions, and sales. The software includes tools for tracking gallery inventory, creating marketing materials, and managing customer relationships. The system is designed to be user-friendly and can be accessed from any internet-connected device.

Online Art Gallery is an online application, which is used to display and sell art works of artist irrespective of their nationality, gender and other narrow consideration, through auction. Artist can register online for being a member in the art gallery and each artist can upload the digital copy of their art work under the respective categories. They can host their art work either for auction or for fixed price. The artist is liable to pay a fraction of the price of each art work to the web site to find the running fund for site. Art lovers have to go to the art exhibition to collect their favourite arts or painting. But now-a-days they are not getting enough time to go to the galleries and collect the arts and paintings.

## Tables :-

1. Artist :-
  - a) Artist ID
  - b) Artist Name
  - c) D.O.B
  - d) Qualification
  - e) Location
  - f) Contact No. /Email
  - g) Style

2. Artwork :-
  - a) Artwork ID
  - b) Artist ID
  - c) Title
  - e) Year (in which it created)
  - f) Prices
  - g) Offers / Discount

3. Customers :-
  - a) Customer ID
  - b) Customer Name
  - c) Customer Contact No. /Email
  - d) Customer Address
  - e) Purchase History

4. Transactions :-
  - a) Transactions ID
  - b) Customer ID
  - c) Artwork ID
  - d) Transaction Date
  - e) Transaction Amount

**Artist**

Artist_ID	A_Name	D.O.B	Qualification	A_Address
-----------	--------	-------	---------------	-----------

**Artist\_Phone**

Artist_ID	A_Phone_No.
-----------	-------------

**Art**

Art_ID	Style	Year_in_made	Price	Title	Discount	Artist_ID
--------	-------	--------------	-------	-------	----------	-----------

**Customer**

Customer_ID	C_Name	C_Address
-------------	--------	-----------

**Customer\_Phone**

Customer_ID	C_Phone_No.
-------------	-------------

**Transaction**

Transaction_ID	Transaction Amount	Transaction Date
----------------	--------------------	------------------

**Order**

Order_ID	Art_ID	Customer_ID	Transaction_ID
----------	--------	-------------	----------------

### **Artist**

- Artist\_ID
- A\_name
- D.O.B
- Qualification
- A\_Address
- { A\_Phone\_No. }

Created

### **Art**

- Art\_ID
- Style
- Year\_in\_made
- Price
- Title
- Discount

### **Customer**

- Customer\_ID
- C\_Name
- C\_Address
- { C\_Phone\_No. }

### **Transaction**

- Transaction\_ID
- Transaction\_Amount
- Transaction\_Date

Order

## CONCLUSION

A database was created for a market that can use it for keeping track on art gallery. Galleries are divided into many art galleries. Galleries have different names, locations, etc. gallery will have different exhibitions and each exhibition will have a start and end date. The galleries will have different artist displaying their artwork. The model can also be adapted to meet other purposes and thus be used for other projects. The database structure is quite simple, which makes it easy for also other programmers to understand it.

In conclusion, a database is a far more efficient mechanism to store and organize data than spreadsheets it allows for a centralized facility that can easily be modified and quickly shared among multiple users. Having a web based front end removes the requirement of users having to understand and use a database directly, and allows users to connect from anywhere with an internet connection and a basic web browser. It also allows the possibility of queries to obtain information for various surveys. Due to the number of users reading and modifying student data in the department, it is an ideal use for such a system.