

Art Base: Final Project Report

DATABASE MANAGEMENT SYSTEMS

By

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1. INTRODUCTION:

Art galleries, as the primary users of your product, maintain a wealth of data. This includes details about artists, encompassing unique names, birthplaces, age, and the distinctive style of their art. Each artwork is meticulously recorded, noting the artist, the creation year, a unique title, the art type (e.g., painting, lithograph, sculpture, photograph), and the associated price. To further organize the extensive collection, pieces of artwork are categorized into various groups, ranging from specific artists like Picasso to broader classifications such as works from the 19th century. Importantly, a single piece of art may belong to multiple groups, allowing for flexible categorization. Each art enthusiast visiting the gallery is considered a valued customer, and their information is crucial for business success. For every customer, the database stores unique identifiers such as name and address, alongside a vital metric—the total amount of dollars spent in the gallery. Going beyond transactional data, the system also tracks the artists and art groups that capture the customer's preferences, providing galleries with valuable insights into their patrons' tastes.

2. ABSTARCT:

ArtBase, a dedicated Database Management System (DBMS) for art galleries, amalgamates a fervor for art with robust database technology. Designed to optimize data integrity and retrieval efficiency, ArtBase's schema comprehensively captures information about artists, artworks, and customers. Artists' details, such as unique names, birthplaces, and art styles, are meticulously recorded, while artworks are cataloged with precision, including artist details, creation year, title, type, and price. The system further organizes artworks into flexible groups. ArtBase not only facilitates efficient gallery management but prioritizes customer relationships, recording names, addresses, and total spending. Leveraging the principles of DBMS, ArtBase aims to be a foundational tool, enhancing gallery operations' efficiency and fostering stronger connections between galleries and art enthusiasts.

3. Conceptual Design:

Entity Types:

a. Artists :

- Represents individual artists and holds information such as artist ID, name, birthplace, age, and style of art.

b. Art_Info:

- Captures details of each artwork, including the artist it belongs to, creation year, unique title, type of art (e.g., painting, lithograph), and price.

c. Group Table:

- Stores information about various groups to which artworks can be classified, like portraits, still lifes, or works by a specific artist or from a certain time period.

d. Admin Table:

- Represents administrative staff involved in managing the database, containing details such as admin ID, name, and role within the gallery.

e. Customer_Info:

- Contains data about gallery customers, including customer ID, name, address, and the total amount of dollars spent in the gallery.

Relationship Types:

a. Artists create Art_Info:

- Relationship between Artists and Art_Info, signifying that an artist can create multiple artworks, establishing a one-to-many relationship.

b. Art_Info belongs to Group:

- Illustrates the relationship between Art_Info and Group, indicating that an artwork can be classified into one or more groups, allowing for a many-to-many relationship.

c. Admin manages Artists, Art_Info, and Customers:

- Depicts the relationship between Admin and the Artists, Art_Info, and Customer_Info tables, representing that administrative staff manages various aspects of the database.

d. Customers like ART, Artists and Groups:

- Shows the association between Customers and Artists, as well as Customers and Groups, indicating the artists and art groups that a customer tends to prefer.

Data Dictionary:

a. Artists Table:

- ArtistID (Primary Key)
- Name
- Birthplace
- Age
- Style
- GroupID (Foreign Key)

b. Art_Info Table:

- ArtworkID (Primary Key)
- ArtistID (Foreign Key)
- Year
- Title
- Type
- Price

c. Group Table:

- GroupID (Primary Key)
- Name

d. Admin Table:

- AdminID (Primary Key)
- Name
- Role

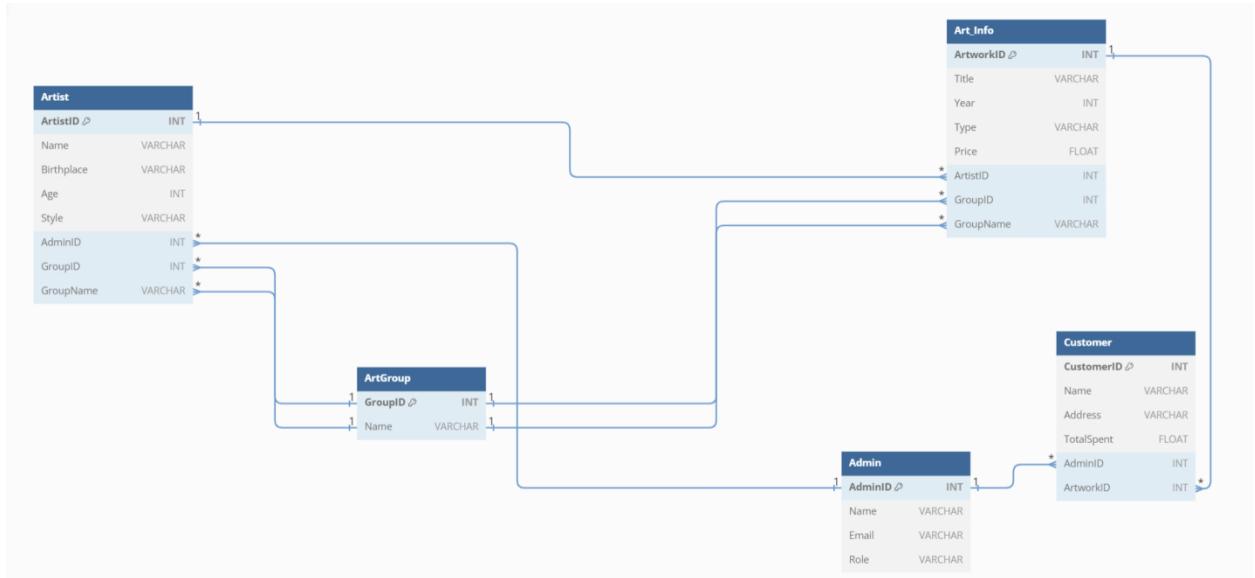
e. Customer_Info Table:

- CustomerID (Primary Key)
- Name
- Address
- TotalAmountSpent

Data Constraints and Assumptions:

- Assume that each artist, artwork, group, admin, and customer has a unique identifier (ID) for differentiation.
- Enforce referential integrity with foreign key constraints to maintain data consistency.
- Assume that an artwork can belong to multiple groups, allowing for a flexible classification system.
- Consider implementing constraints on data types and ensuring fields like 'PRICE' are non-negative.
- The most important constraint placed is that no Artist should ever be deleted from the database while their Artwork is still in the gallery

4. LOGICAL DESIGN:



- Artist: An artist can create many artworks, but an artwork can only be created by one artist.
- Artwork: An artwork can be purchased by many customers, but a customer can only purchase one artwork at a time.
- Customer: A customer can have many artworks in their collection, but an artwork can only be owned by one customer at a time.
- Group: An artist can belong to many groups, but a group can only have a limited number of artists.
- Admin: An admin can create and manage customer accounts, groups, and artworks.

5. Physical database design and SQL queries:

1. ARTISTS:

```

Query :CREATE TABLE Artists (
    ArtistID INT PRIMARY KEY,
    Name VARCHAR(255),
    Birthplace VARCHAR(255),
    Age INT,
    Style VARCHAR(255),
    GroupID INT FOREIGN KEY REFERENCES Groups(GroupID)
);

```

```

INSERT INTO Artists (ArtistID, Name, Birthplace, Age, Style, GroupID)
VALUES
    (1, 'Emma Smith', 'New York, USA', 32, 'Abstract', 1),

```

(2, 'Daniel Chen', 'Beijing, China', 40, 'Contemporary', 2),
 (10, 'Ethan Wilson', 'London, UK', 41, 'Expressionism', 3);

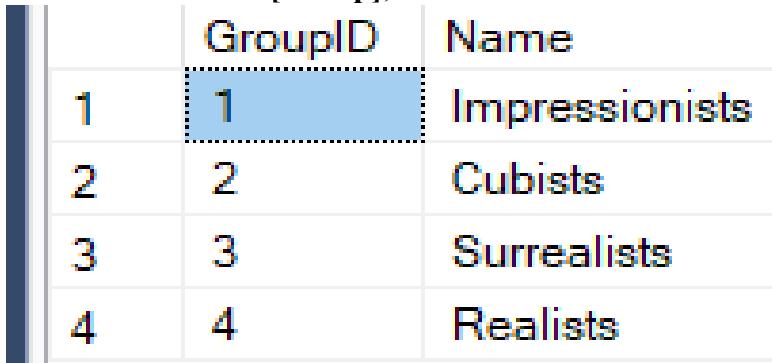


The screenshot shows a database interface with two tabs at the top: 'Results' and 'Messages'. The 'Results' tab is selected, displaying a table with seven columns: ArtistID, Name, Birthplace, Age, Style, and GroupID. There are three rows of data:

	ArtistID	Name	Birthplace	Age	Style	GroupID
1	1	Emma Smith	New York, USA	32	Abstract	1
2	2	Daniel Chen	Beijing, China	40	Contemporary	2
3	10	Ethan Wilson	London, UK	41	Expressionism	3

2. ARTGROUP:

```
Query :CREATE TABLE [Group] (
    GroupID INT PRIMARY KEY,
    Name VARCHAR(255)
);
INSERT INTO [Group] (GroupID, Name)
VALUES
    (1, 'Impressionists'),
    (2, 'Cubists'),
    (3, 'Surrealists'),
    (4, 'Realists');
SELECT * FROM [Group];
```



The screenshot shows a database interface with two tabs at the top: 'Results' and 'Messages'. The 'Results' tab is selected, displaying a table with two columns: GroupID and Name. There are four rows of data:

	GroupID	Name
1	1	Impressionists
2	2	Cubists
3	3	Surrealists
4	4	Realists

3.ADMIN:

```
Query :CREATE TABLE Admin (
    AdminID INT PRIMARY KEY,
    Name VARCHAR(255),
    Role VARCHAR(255)
);
INSERT INTO Admin (AdminID, Name, Role)
VALUES (1, 'John Doe', 'Administrator');
```

	AdminID	Name	Role
1	1	John Doe	Administrator

4. ART_INFO:

```
QUERY:CREATE TABLE Art_Info (
ArtworkID INT PRIMARY KEY,
ArtistID INT FOREIGN KEY REFERENCES Artists(ArtistID),
Year INT,
Title VARCHAR(255),
Type VARCHAR(255),
Price FLOAT
);
INSERT INTO Art_Info (ArtworkID, ArtistID, Year, Title, Type, Price)
VALUES
(2, 2, 2021, 'Sculpture of Dreams', 'Sculpture', 800.00),
(3, 2, 2023, 'Lithograph Harmony', 'Lithograph', 350.00),
(4, 2, 2020, 'Photographic Bliss', 'Photograph', 600.00),
(5, 1, 2022, 'Abstract Creation', 'Painting', 450.00),
(6, 1, 2023, 'Bronze Elegance', 'Sculpture', 900.00),
(8, 2, 2022, 'Captured Moment', 'Photograph', 700.00),
```

(9, 10, 2020, 'Ink Sketch Serenity', 'Drawing', 300.00),

(10, 10, 2021, 'Digital Abstract', 'Digital Art', 750.00);

SELECT * FROM Art_Info;

	ArtworkID	ArtistID	Year	Title	Type	Price
1	1	1	2022	The Masterpiece	Painting	500
2	2	2	2021	Sculpture of Dreams	Sculpture	800
3	3	2	2023	Lithograph Harmony	Lithograph	350
4	4	2	2020	Photographic Bliss	Photograph	600
5	5	1	2022	Abstract Creation	Painting	450
6	6	1	2023	Bronze Elegance	Sculpture	900
7	8	2	2022	Captured Moment	Photograph	700
8	9	10	2020	Ink Sketch Serenity	Drawing	300
9	10	10	2021	Digital Abstract	Digital Art	750

5. CUSTOMER_INFO:

QUERY: CREATE TABLE Customer_Info (

CustomerID INT PRIMARY KEY,

Name VARCHAR(255),

Address VARCHAR(255),

TotalAmountSpent FLOAT);

INSERT INTO Customer_Info (CustomerID, Name, Address, TotalAmountSpent)

VALUES

(1, 'John Doe', '123 Main St, Cityville', 500.00),

(2, 'Jane Smith', '456 Oak St, Townsville', 800.00),

(3, 'Robert Johnson', '789 Pine St, Villagetown', 1200.00),

(4, 'Alice Brown', '101 Elm St, Hamletville', 600.00),

(5, 'David White', '202 Maple St, Countryside', 900.00);

SELECT * FROM Customer_Info;

	CustomerID	Name	Address	TotalAmountSpent
1	1	John Doe	123 Main St, Cityville	500
2	2	Jane Smith	456 Oak St, Townsville	800
3	3	Robert Johnson	789 Pine St, Villagetown	1200
4	4	Alice Brown	101 Elm St, Hamletville	600
5	5	David White	202 Maple St, Countryside	900

Advance queries :

1. Retrieve Customer Names and Their Purchased Artwork Titles

```
SELECT c.Name AS CustomerName, a.Title AS ArtworkTitle  
FROM Customer_Info c  
JOIN Art_Info a ON c.ArtworkID = a.ArtworkID;
```

2. Find Artists and Their Respective Art Groups

```
SELECT a.Name AS ArtistName, g.Name AS ArtGroupName  
FROM Artist a  
JOIN ArtGroup g ON a.GroupID = g.GroupID;
```

3. Display Artwork Details with Artist and Customer Information

```
SELECT a.Title, a.Type, a.Price, ar.Name AS ArtistName, c.Name AS CustomerName  
FROM Art_Info a  
JOIN Artist ar ON a.ArtistID = ar.ArtistID  
JOIN Customer_Info c ON a.CustomerID = c.CustomerID;
```

4. Find Customers Who Purchased Artwork in a Specific Price Range

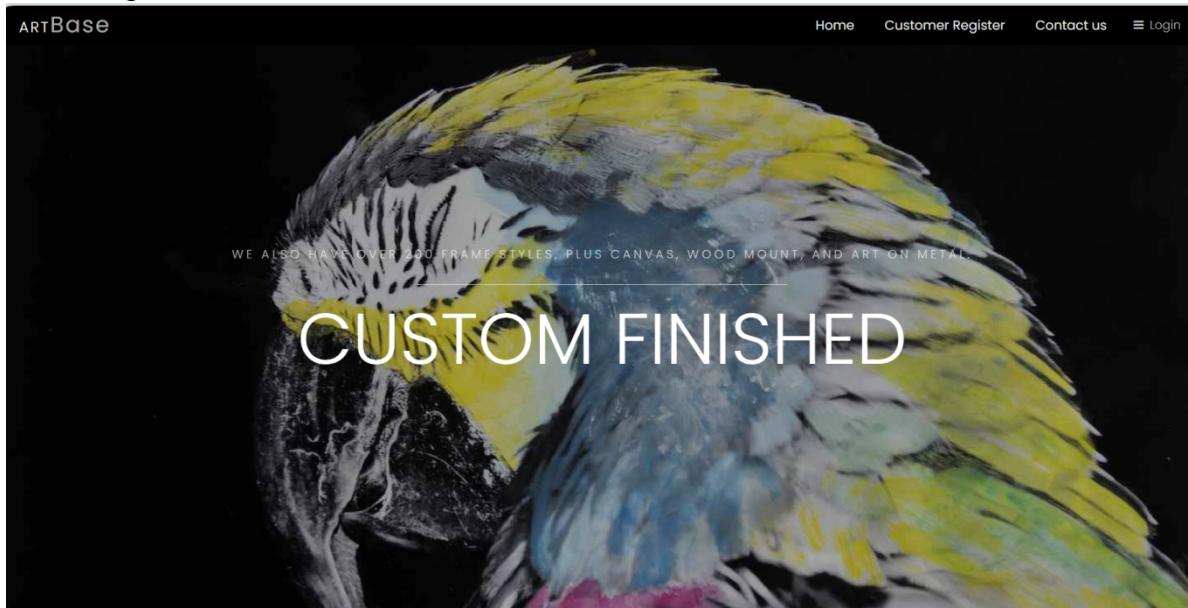
```
SELECT c.Name AS CustomerName, a.Title AS ArtworkTitle, a.Price  
FROM Customer_Info c  
JOIN Art_Info a ON c.ArtworkID = a.ArtworkID  
WHERE a.Price BETWEEN 500 AND 1000;
```

5. Count the Number of Artworks by Each Artist

```
SELECT a.Name AS ArtistName, COUNT(ai.ArtworkID) AS ArtworkCount  
FROM Artist a  
LEFT JOIN Art_Info ai ON a.ArtistID = ai.ArtistID  
GROUP BY a.Name;
```

6. WEBSITE:

Home Page



If it's a registered user he can do login

A screenshot of the ARTBase website's customer login page. The page has a dark header with the "ARTBase" logo and navigation links for "Home", "Customer Register", "Contact us", and "Login". Below the header, the text "CUSTOMER LOGIN" is centered above a "Customer Login" button. The main content area is a light-colored box containing a "Customer Login" form. The form includes fields for "Email Id:" (containing "sridevianandan22@gmail.com") and "Password:" (containing "..."). A purple "LOGIN" button is at the bottom of the form. The background of the page features abstract, colorful brushstrokes.

New user

The screenshot shows the 'Customer Registration' form. It includes fields for First Name, Last Name, Email, Password, Sex (dropdown menu), and Mobile Number. Each field has a placeholder text indicating what should be entered.

First Name:	Enter First Name
Last Name:	Enter Last Name
Email:	Enter email
Password:	Enter password
Sex:	-----Select-----
Mobile Number:	Enter Mobile Number

Customer registration

Customer will register by entering the details

If the email id already exist it will throw an error.

All the validations also added for the input text box and without filling forms it wont go to next page

The screenshot shows the 'Customer Registration' form with all fields populated. The 'Country' field is highlighted with a purple border. A 'REGISTER' button is visible at the bottom.

First Name:	Sridevi
Last Name:	Anandan
Email:	sridevianandan2229@gmail.com
Password:	...
Sex:	Female
Mobile Number:	1234567890
Complete Address:	4 cross street
State:	Mi
Country:	USA

Welcome page for customer along with there customer ID

Welcome Sridevi ! Your Customer Id Is 12 !

<p>PAQUIN LESS(\$):195 \$200 ARTIST: JOHN DEO GROUP: DEFAULT GROUP</p> <p>This is cool pic for art deco. Add to Cart</p>	<p>SCULPTURE LESS(\$):235 \$250 ARTIST: JOHN DEO GROUP: DEFAULT GROUP</p> <p>This is cool pic for art deco. Add to Cart</p>	<p>ART1 LESS(\$):100 \$1500 ARTIST: JAHN GROUP: DEFAULT GROUP</p> <p>This cool and Attractive Add to Cart</p>	<p>ART2 LESS(\$):300 \$355 ARTIST: PICASSO GROUP: DEFAULT GROUP</p> <p>This cool and Attractive Add to Cart</p>
<p>ART3 LESS(\$):1000 \$3500 ARTIST: DEVJOHN GROUP: DEFAULT GROUP</p> <p>This cool and Attractive Add to Cart</p>	<p>ART1 LESS(\$):100 \$200 ARTIST: DAVID MERRY GROUP: DEFAULT GROUP</p> <p>This is art for folk and too Add to Cart</p>	<p>ART2 LESS(\$):500 \$1800 ARTIST: SARA NANCY GROUP: DEFAULT GROUP</p> <p>This is art for folk and too Add to Cart</p>	<p>KRISHNA LESS(\$):1000 \$1234 ARTIST: SRIDEVIANANDAN GROUP: DEFAULT GROUP</p> <p>This is art for folk and too good. Add to Cart</p>

Customer Can able to search based on the art type, group type or artist name

Welcome Sridevi ! Your Customer Id Is 12 !

Art Deco

<p>PAQUIN LESS(\$):195 \$200 ARTIST: JOHN DEO GROUP: DEFAULT GROUP</p> <p>This is cool pic for art deco. Add to Cart</p>	<p>SCULPTURE LESS(\$):235 \$250 ARTIST: JOHN DEO GROUP: DEFAULT GROUP</p> <p>This is cool pic for art deco. Add to Cart</p>	<p>ART1 LESS(\$):100 \$1500 ARTIST: JAHN GROUP: DEFAULT GROUP</p> <p>This cool and Attractive Add to Cart</p>	<p>ART2 LESS(\$):300 \$355 ARTIST: PICASSO GROUP: DEFAULT GROUP</p> <p>This cool and Attractive Add to Cart</p>
<p>ART3 LESS(\$):1000 \$3500 ARTIST: DEVJOHN GROUP: DEFAULT GROUP</p> <p>This cool and Attractive Add to Cart</p>	<p>ART1 LESS(\$):100 \$200 ARTIST: DAVID MERRY GROUP: DEFAULT GROUP</p> <p>This is art for folk and too Add to Cart</p>	<p>ART2 LESS(\$):500 \$1800 ARTIST: SARA NANCY GROUP: DEFAULT GROUP</p> <p>This is art for folk and too Add to Cart</p>	<p>KRISHNA LESS(\$):1000 \$1234 ARTIST: SRIDEVIANANDAN GROUP: DEFAULT GROUP</p> <p>This is art for folk and too good. Add to Cart</p>

After customer press add to cart it will go to booking, here the customers info will be fetched from data base and displayed and the price will fetch from the art info table and it's not editable.



Booking

Customer Id: 12

Art_Id: 3

Name: Sridevi

Art_Name: Sculpture

Order_Status: Available

Delivery_Address: Enter Address

Quantity: Enter Quantity

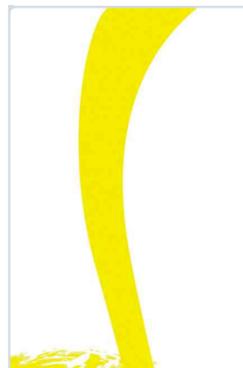
Price: 250

SUBMIT

After submiting the booking it will display the pop up.



After the customer needs to payment method, as of now only COD, In future we can introduce the online payment methods



Delivery_Address: 3 car street

Quantity: 2

Date: 2023-12-09 17:19:31

Price: 500

Mode:

Cash On Delivery

---Select---

Cash On Delivery

[Twitter](#) [Facebook](#) [Instagram](#) [Email](#)

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After payment the success message will be displayed



Customer Can cancel the order

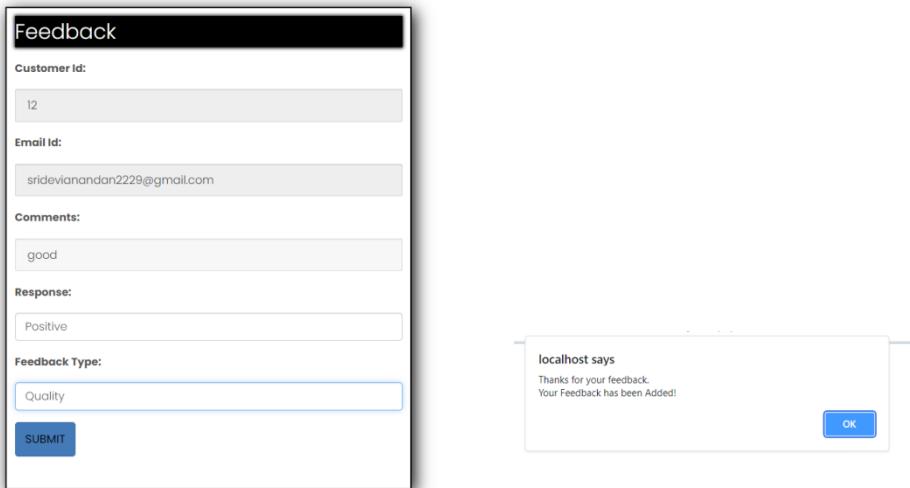
A screenshot of the ArtBase application. On the left, there's a sidebar with links: HOME, CANCEL BOOKING, FEEDBACK, VIEW PAYMENT DETAIL, and VIEW EXHIBITION & EVENTS GROUP. Below these are two "Add to Cart" buttons. The main area shows a table titled "Table of Bookings" with the following data:

Booking Art Id	Customer Id	Art Id	Name	Booking Art Name	Booking Order Status	Delivery Address	Booking Art Quantity	Booking Art Date	Booking Art Price	Cancel Booking
15	12	3	Sridevi	Sculpture	Available	3 car street	2	2023-12-09 17:18:09	500	<button>Cancel</button>
16	12	3	Sridevi	Sculpture	Available	3 car street	2	2023-12-09 17:19:31	500	<button>Cancel</button>

Customer can give feedback

A screenshot of the ArtBase application showing a "Feedback" form. The form fields are: Customer Id (12), Email Id (sridevanandan222@gmail.com), Comments (good), and Response (a dropdown menu with options: Select, Positive, Negative). The "Positive" option is selected. A "SUBMIT" button is at the bottom.

After submitting the feedback pop up will be popped to say thanks for your feedback.



Customer can also view the exhibition and events and logout option is also there.

The screenshot displays the ArtBase application interface. On the left, there's a sidebar with navigation links: HOME, CANCEL BOOKING, FEEDBACK, VIEW PAYMENT DETAIL, VIEW EXHIBITION & EVENTS, and a red LOGOUT button. The main content area is titled 'Exhibition and Events Details' and lists three exhibitions: 'KALA SUTRA 2016 | HONG KONG', 'ART DUBAI / MODERN 2018 GROUP SHOW', and 'ART STAGE SINGAPORE 2017 GROUP SHOW'. Each listing includes a small image, the exhibition name, category, date, and venue. Below the sidebar, there's a dark panel with user information: 'Vishal', 'About: Vishal', 'Category: Street Art', 'Venue: I234', and 'Date 2012-12-12 | Time 12:12'.

Admin details:

Admin Login



Admin Login

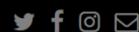
Admin id / Username:

admin

Password:

.....

LOGIN



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Admin panel





Admin can view the bookings and change the status of the order that will be also get update in customer pannel

ID	Customer ID	Order ID	Name	Type	Status	Address	Quantity	Date	Amount	Action
13	9	4	Sridevi	Art1	Available	3 car street	1	2023-12-08 12:45:58	1500	<button>Process</button>
14	9	3	Sridevi	Sculpture	Available	3 car street	2	2023-12-08 17:32:41	500	<button>Deliver</button>
15	12	3	Sridevi	Sculpture	Available	3 car street	2	2023-12-09 17:18:09	500	<button>Process</button>
16	12	3	Sridevi	Sculpture	Available	3 car street	2	2023-12-09 17:19:31	500	<button>On the way</button>
17	9	3	Sridevi	Sculpture	Available	3 car street	2	2023-12-09 18:07:54	500	<button>Deliver</button>
18	9	2	Sridevi	Paquin	Available	3 car street	3	2023-12-09 18:14:35	600	<button>Deliver</button>

[RETURN TO HOME](#)

Admin can see the payment details:

The screenshot shows a sidebar menu on the left with options: HOME, VIEW BOOKINGS DETAILS, VIEW PAYMENTS DETAILS (which is selected and highlighted in red), ADD ARTS, MODIFY ARTS, MODIFY CUSTOMERS, MANAGE FEEDBACKS, ADD EXHIBITION & EVENTS, and MODIFY EXHIBITION & EVENTS. Below the menu is a red LOG OUT button. The main content area displays a table of payment details with 17 rows. The columns are labeled: ID, Quantity, Price, Total Amount, and Status. All entries show a status of 'Paid'. At the bottom of the page is a footer with social media icons (Twitter, Facebook, Instagram, Email) and copyright information: 'Design & Develop By SRIDEVIANANDAN | Enrollment No:-146891645 © ARTBASE. All rights reserved.'

ID	Quantity	Price	Total Amount	Status
5	5	7	1900	Paid
6	6	7	4000	Paid
10	10	5	6000	Paid
11	11	5	10500	Paid
12	12	5	2000	Paid
13	13	9	1500	Paid
14	14	9	500	Paid
15	16	12	500	Paid
16	17	9	500	Paid
17	18	9	600	Paid

Admin can add products too

The screenshot shows an 'Add Product' form. The fields are: Art Name (Pencil Arts), Art Category (Art Deco), Art Price (\$ 200), Art Discount (\$ 140), Art Photo (Choose File eye.jpeg), Art Detail (a coolest picture of eye), Artist Name (deva), and Group Name (abstract group). At the bottom is a SUBMIT button. A confirmation dialog box is overlaid on the page, stating 'localhost says Your Product has been added!' with an OK button.

The Admin can able to remove or edit the product

The screenshot shows a sidebar menu on the left with options like HOME, VIEW BOOKINGS DETAILS, VIEW PAYMENTS DETAILS, ADD ARTS, MODIFY ARTS, MODIFY CUSTOMERS, MANAGE FEEDBACKS, ADD EXHIBITION & EVENTS, MODIFY EXHIBITION & EVENTS, and LOG OUT. The main area displays two art items:

- Item 19:** Celtic Art, Fine Art, 200000, 195000. It features a painting of a figure in traditional attire. Below it is a detailed description: "Broadly speaking, the earliest Celtic arts and crafts appeared in Iron Age Europe with the first migrations of Celts coming from the steppes of Southern Russia, from about 1000 BCE onwards. Any European art, craftwork or architecture before this date derives from earlier Bronze Age societies of the Unetice culture (1600–750 BCE), or the Tumulus (1600–1200 BCE), Unetice (2300–1600 BCE) or Beaker (2600–1900 BCE) cultures. See also: Irish Bronze Age and Irish Iron Age." It includes a red 'DELETE' button and a purple 'EDIT' button.
- Item 21:** Pencil Arts, Art Deco, 200, 1234. It features a pencil sketch of an eye. Below it is the caption "A coolest picture of eye". It includes a red 'DELETE' button and a purple 'EDIT' button.

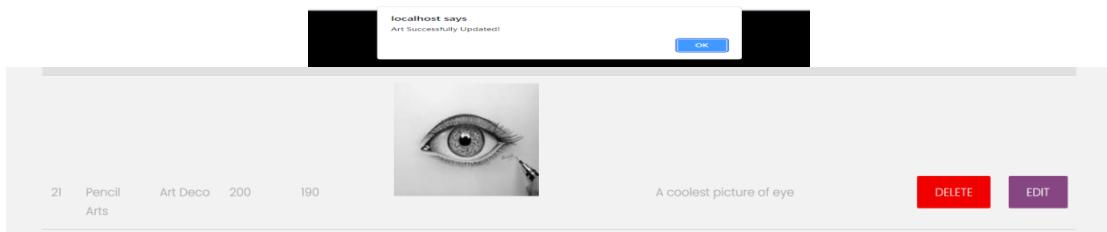
Here admin editing the price of the last art

The screenshot shows the 'Update Product' form under the 'ArtBase' header. The form fields are:

- Art Name:** Pencil Arts
- Art Category:** Art Deco
- Art Price:** 200
- Art Discount:** 190 (highlighted with a purple border)
- Art Photo:** A file input field containing the path ./img/10-12-2023-1702168110.jpg
- Art Detail:** A text area containing the caption "A coolest picture of eye".

A red 'SUBMIT' button is at the bottom left. At the bottom right, there are social sharing icons: Twitter, Facebook, Instagram, and Email.

It will get updated in admin dashboard



Admin can able to delete details of the customers

Here, admin is deleting the first customer

A screenshot of the "All Customer Details" page. The page has a dark header with "MANAGE" and "All Customer Details" text. Below the header is a table with columns: customer_id, customer_password, customer_email, customer_firstname, customer_lastname, customer_sex, customer_phone, customer_state, customer_place, customer_address, and Delete. The table contains seven rows of customer data. To the right of the table, there is a form with fields for "customer_email" (ReinaldoLee@armyspy.com), "customer_firstname" (Reinaldo), "customer_lastname" (Lee), "customer_sex" (Male), "customer_phone" (68793343), "customer_state" (Austria), and "customer_place" (Monitplatz 69 1152 REINSBG). A "customer_address" field is also present with the value "Monitplatz 69 1152 REINSBG". Below the form is a "DELETE" button. Above the table, there is a modal window titled "localhost says" with the message "successfully" and an "OK" button.

Customer can manage the feedbacks

The screenshot shows a dark-themed dashboard with a sidebar containing links like 'HOME', 'VIEW BOOKINGS DETAILS', 'VIEW PAYMENTS DETAILS', 'ADD ARTS', 'MODIFY ARTS', 'MODIFY CUSTOMERS', 'MANAGE FEEDBACKS' (which is highlighted in red), 'ADD EXHIBITION & EVENTS', 'VIEW MODIFY EXHIBITION & EVENTS', and 'LOG OUT'. The main area is titled 'All Feedback' and displays a table with four rows of feedback data:

Feedback ID:	Customer ID	Email Id	Feedback Status	Feedback Response	Feedback Type	Delete	Edit
3	5	CarolinaWBrooks@teleworm.us	I am happy with art quality.	Positive	Quality	<button>DELETE</button>	<button>EDIT</button>
4	5	CarolinaWBrooks@teleworm.us	I am happy with art quality.	Positive	Quality	<button>DELETE</button>	<button>EDIT</button>
5	9	sridevanandan22@gmail.com	m..	Positive	Other	<button>DELETE</button>	<button>EDIT</button>
6	12	sridevanandan22@gmail.com	good	Positive	Quality	<button>DELETE</button>	<button>EDIT</button>

Admin can delete the feedback,

The screenshot shows a 'Delete Feedback' form with the following fields:

- Feedback ID: 3
- Customer ID: 5
- Email Id: CarolinaWBrooks@teleworm.us
- Feedback Status: I am happy with art quality.
- Feedback Response: Positive
- Feedback Type: Quality

At the bottom left is a red 'DELETE' button. To the right is a confirmation dialog box with the text 'localhost says' and 'Feedback Successfully Deleted...!', with an 'OK' button at the bottom right.

Admin can add exhibition and events

Add Exhibition & Events

Name
Pencil Arts

About
Pencil art, a timeless form of expression, captures intricate details with the simplicity of graphite strokes. Each stroke breathes life into the paper, creating depth and emotion. Through delicate shading and precise lines, pencil artists masterfully convey stories, emotions, and the beauty of their subjects. This classical medium continues to enchant viewers, offering a unique and intimate glimpse into the artist's vision.

Category of Exhibition & Events
Fine Art

Venue
1234 car street, Singapore

Date
12/30/2023

Time
03:30 PM

Photo of Exhibition & Events
Choose File eye.jpeg

SUBMIT

Also the admin can edit and delete the exhibition and events:

Update Exhibition & Events Details

Name:
Kala Sutra - 2016

About:
Group show

Category:
Pop Art

Venue:
7A Kennedy Road Central, Hong Kong

Date:
02/22/2019

Time:
12:00

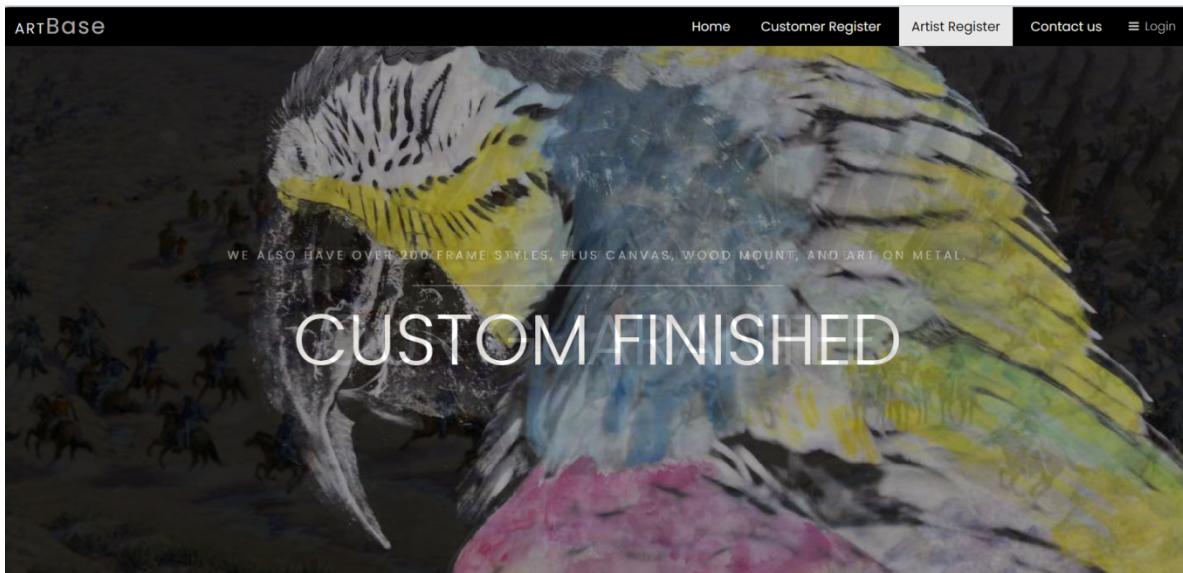
Current Photo:

Choose File: No file chosen

ID	Name	About	Category	Venue	Date	Time	Photo	Delete	Edit
7	Kala Sutra - 2016	Group show	Pop Art	7A Kennedy Road Central, Hong Kong	2019-02-22	12:00		DELETE	EDIT
8	Art Dubai / Modern 2018	Group show at Booth M10	Art Deco	Madinat Jumeirah	2019-04-04	10:00		DELETE	EDIT
10	Art Stage Singapore 2017	Group show	Art Deco	Marina Bay Sands Expo & Convention Centre	2019-03-01	15:30		DELETE	EDIT

And now the artist roles :

Same like admin and customer he can also do login and registration and he can add the products and that will get approved from the admin after that he will get the notification approved and he will get the money from admin if rejected he will get the comments why he got rejected.

This image shows the "Artist Registration" form on the ARTBase website. The form is titled "ARTIST REGISTRATION" and includes fields for First Name, Group Name, Address, Mobile Number, Email, and Password. Each field has a placeholder text and a corresponding input box. The background features a dark, abstract design with a rainbow gradient.This image shows the "Artist Login" form on the ARTBase website. It features a title "Artist Login" and fields for Email Id and Password. A "LOGIN" button is at the bottom. To the right of the login form is a vertical sidebar with user role options: CUSTOMER, ADMIN, and ARTIST. The background of the page is dark with a colorful, abstract graphic element.

For doing this website I used : Xampp, Visual studio code

Sample Pictures of My DB and Code

The screenshot shows the phpMyAdmin interface for the 'artbase' database. The left sidebar lists various tables: admin_info, artgroup, artists, art_info, booking_info, comments, customer_info, exhibition_events, feedback_info, payment_info, temp_art_info, information_schen, mysql, performance_sche, phpmyadmin, and test. The main area displays a table of 11 tables with columns for Action, Table, Rows, Type, Collation, Size, and Overhead. The 'customer_info' table has 75 rows and a size of 96.0 Kib.

Action	Table	Rows	Type	Collation	Size	Overhead
Browse Structure Search Insert Empty Drop	admin_info	1	InnoDB	latin1_swedish_ci	32.0 Kib	-
Browse Structure Search Insert Empty Drop	artgroup	4	InnoDB	utf8mb4_general_ci	16.0 Kib	-
Browse Structure Search Insert Empty Drop	artists	20	InnoDB	utf8mb4_general_ci	32.0 Kib	-
Browse Structure Search Insert Empty Drop	art_info	20	InnoDB	latin1_swedish_ci	32.0 Kib	-
Browse Structure Search Insert Empty Drop	booking_info	10	InnoDB	latin1_swedish_ci	64.0 Kib	-
Browse Structure Search Insert Empty Drop	comments	0	InnoDB	utf8mb4_general_ci	48.0 Kib	-
Browse Structure Search Insert Empty Drop	customer_info	7	InnoDB	latin1_swedish_ci	96.0 Kib	-
Browse Structure Search Insert Empty Drop	exhibition_events	1	InnoDB	latin1_swedish_ci	16.0 Kib	-
Browse Structure Search Insert Empty Drop	feedback_info	3	InnoDB	latin1_swedish_ci	32.0 Kib	-
Browse Structure Search Insert Empty Drop	payment_info	9	InnoDB	latin1_swedish_ci	48.0 Kib	-
Browse Structure Search Insert Empty Drop	temp_art_info	0	InnoDB	utf8mb4_general_ci	32.0 Kib	-
Sum	11 tables	75	InnoDB	utf8mb4_general_ci	448.0 Kib	0 B

The screenshot shows the Visual Studio Code interface with the file 'artist_logout.php' open. The Explorer sidebar shows the project structure under 'ARTBASE'. The 'artist_logout.php' file is selected and displayed in the editor. A status bar message indicates: 'Cannot validate since a PHP installation could not be found. Use the setting 'php.validate.executablePath' to configure the PHP executable.' The bottom right corner has a 'Source: PHP Language Features (Extension)' message and an 'Open Settings' button.

```
<?php
session_start()
if(isset($_GET['artist_id'])) {
    unset($_SESSION['artist_id']);
    header('Location: /');
}
mysqli_close($connection);
?>
```

Conclusion :

Art Base is a powerful database system tailored for the art industry, fostering effective management of artists, artworks, customers, and administrative roles within the context of an art gallery. The schema's flexibility allows for scalability and adaptation to the evolving needs of the art world.

References :

**Modern Database Management (13th ed.), by J. Hoffer, R. Venkataraman, & H. Topi.
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978-0134773650

