



Project Name: Urban Gallery  
Branch PG-DAC March-2023

Documentation On

**“Urban Gallery”**  
PG-DAC MARCH 2023

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Submitted By :  
Group No: 07

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# 1. Introduction

## 1.1 Document Purpose

This document communicates the business requirements and scope for developing Urban Gallery. The scope of this document is to define the functional and non-functional requirements, business rules and other constraints requirements.

## 1.2 Project Background

There is no computerized system for the artist to sell or auction their artworks. Currently the artist has to conduct Art exhibition for selling their art to venders who are specialized in art galleries. Because of this they are facing challenges to sell their art work. Because conducting Art exhibition can be expensive for artist and the venders will always try to get discount for their artwork.

## 1.3 Aim & Objective

The main objective of this project is building a website which will help Artists to showcase their artworks and sell them through the platform. The platform or website will be easy to use for both customers and artists to post the artworks for artists and to buy the artworks for customers.

Platform will be the 24/7 live gallery available to anyone, anywhere overcoming the traditional concept of periodic exhibition.

## 1.4 Customers and Stakeholders

Customers:

- Artists want to sell their Artwork
- Customers want to buy the Artwork
- Corporate Customers

Stakeholders

- Artists
  - Customers
  - Shipment Vendors
  - Art-Business Industry
-

## **2. Business Requirements Overview**

- Urban Gallery is the public web application.
- Urban Gallery will be opened to the global, but in the phase 1, the main target is in the India.
- There are mainly three types of users. One is the Artist, other is Customer and third one will be Corporate.
- Artists can showcase their art on this platform and they can sell the artwork on their demanding price on this web application and can also publish the blogs.
- Customer can watch various artworks , art blogs and also opt for purchasing the art.
- Urban Gallery provides the functions which connects the artists and the art-lovers efficiently.
- Urban Gallery could be maintained by Administrator.

## **3. Functional Requirements Overview**

Urban Gallery consists of four modules described as below.

1. Artist Module
2. Customer Module
3. Corporate Module
4. Admin Module
5. Message Acknowledgement Module

### **3.1 Artist Module**

- Artist can register and create his own account.
- Urban Gallery provides the function which allows Artist to publish his artwork and make blogs of information about the art.
- The Artist could learn the technique how to use the platform.
- The Artist could find what are pricing of other Artist's artworks.
- Providing "Pay-Back System" in case of dissatisfactions.

### **3.2 Customer Module**

- Customer can register and create his own account.
-

- Urban Gallery provides the function which allows Customer user to find out the information about artwork.

### 3.3 Corporate Module

- Corporates can register and create their accounts.
- Urban Gallery provides the function which allows corporates user to find out the information about artwork.
- Their will be discounts for corporates according to their order quantity.

### 3.4 Admin Module

- Urban Gallery should provide all function to admin how to handle the System.
- Which customers and artist are using this system and are they authorized.
- Could able to know all the Transaction.

### 3.4 Message Acknowledgement Module

- Message Acknowledge Module should provide the entire users feedback message about their completion of transaction.

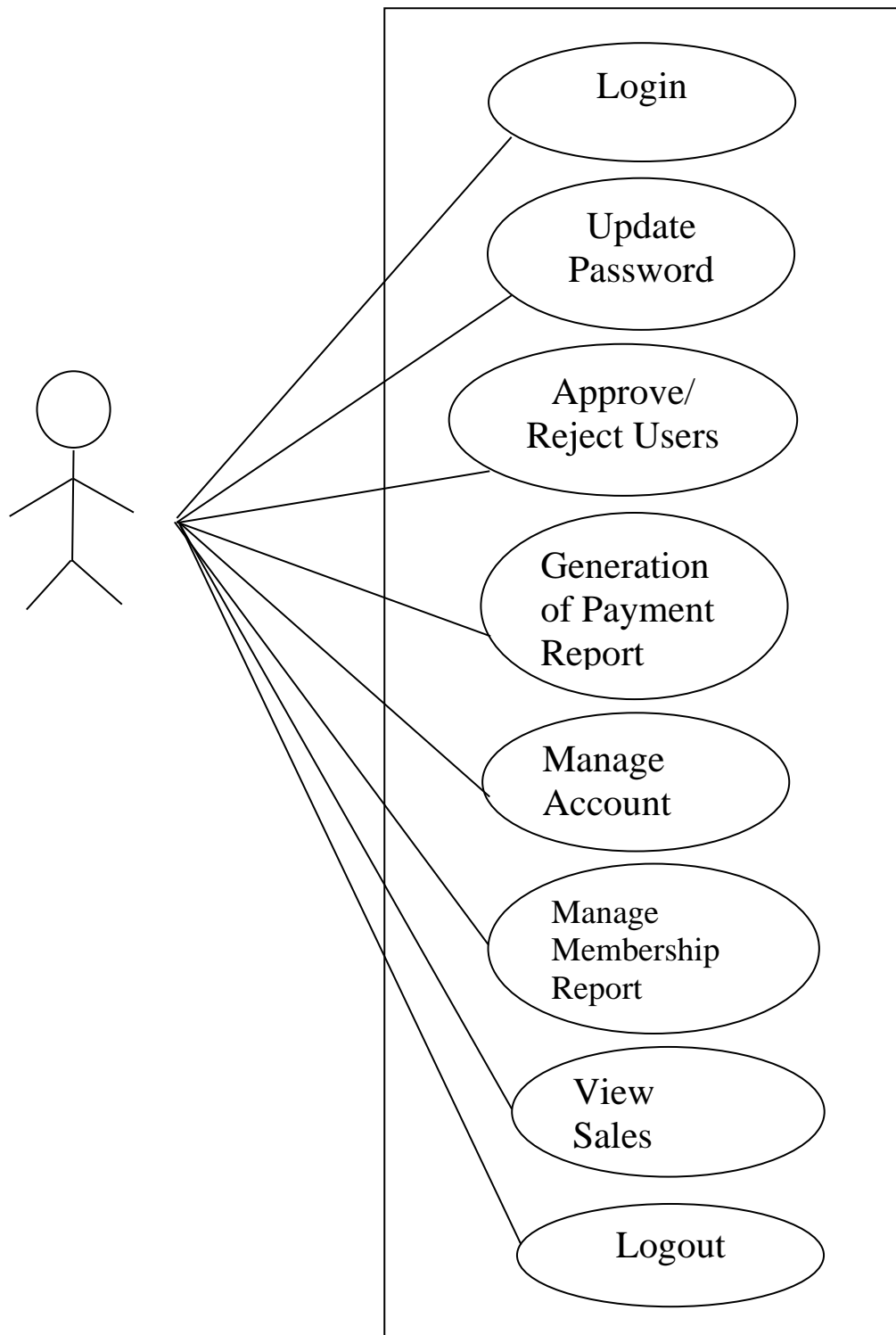
## 4. Non-functional Requirements

- The website should use professional design, look and feel and color scheme.
- Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult to specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 million users on launch of phase 1.
- Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
- The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.

## 5. Use Case Diagram

**Admin:**

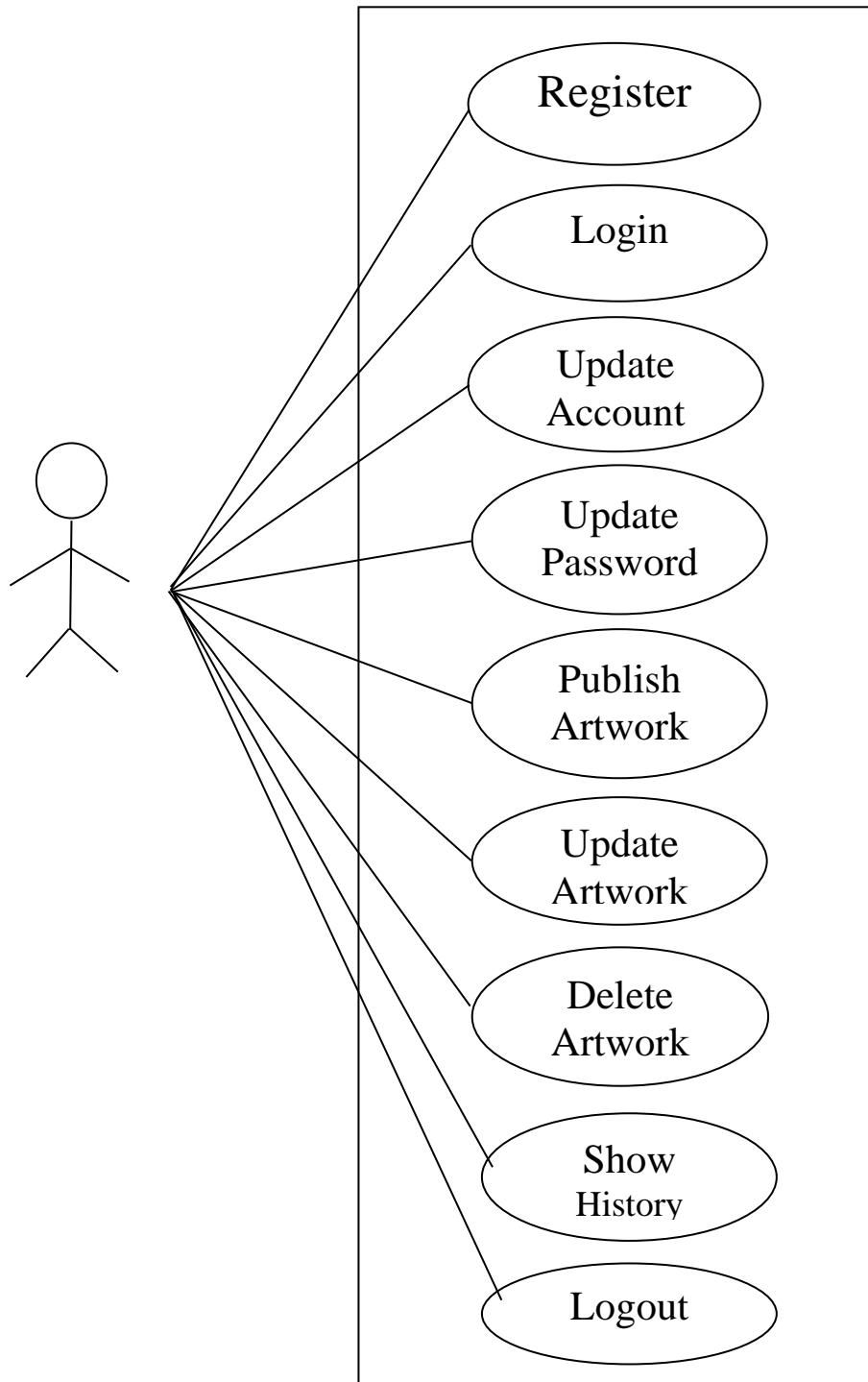
*Fig. Use case diagram for admin*





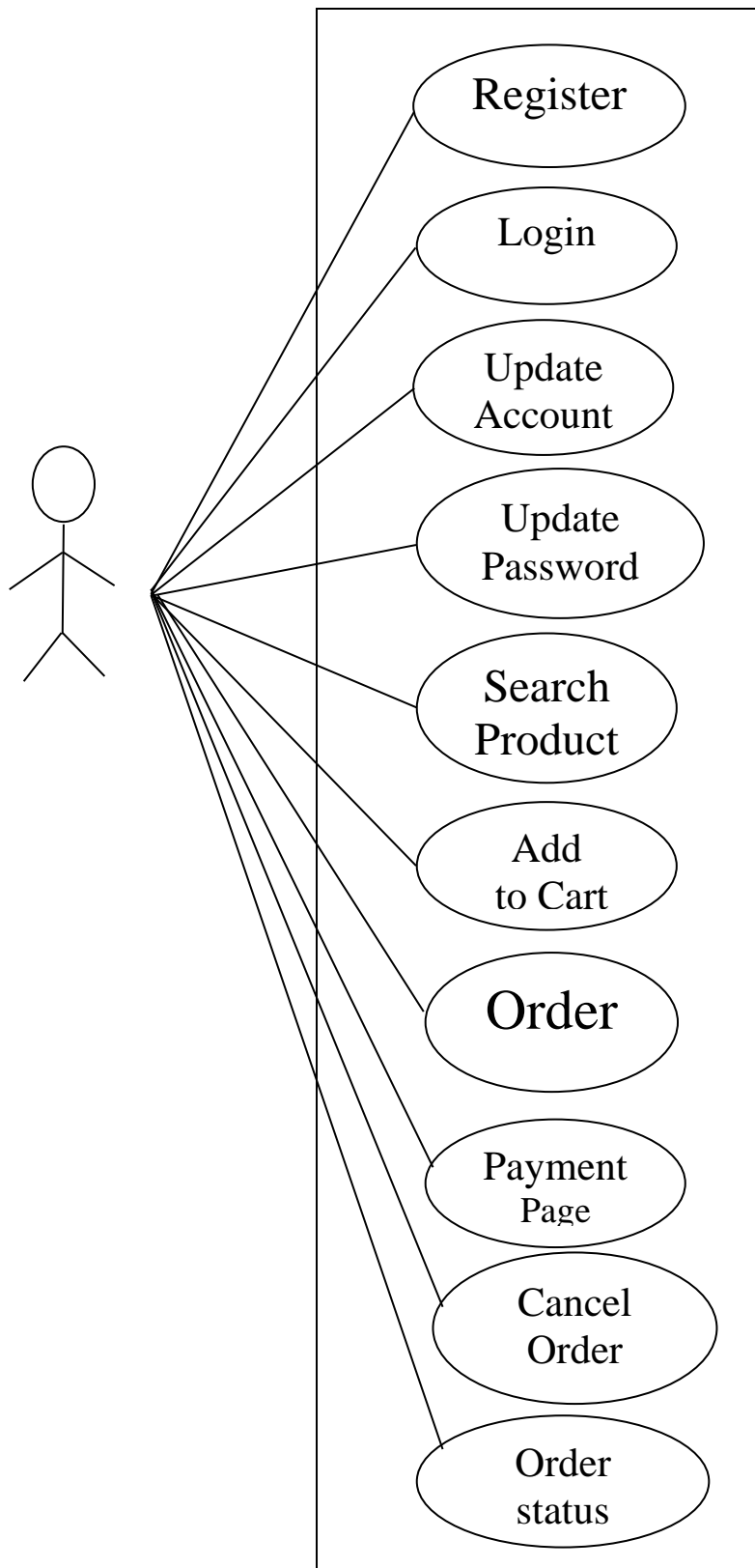
**Admin:**

1. In Admin use case diagram Admin is the Actor.
  2. Admin can handle following use cases:
    - a. Login
    - b. Report Generation
    - c. Controls account
-

**Artist:***Fig. Use case diagram for Artist*

**Artist:**

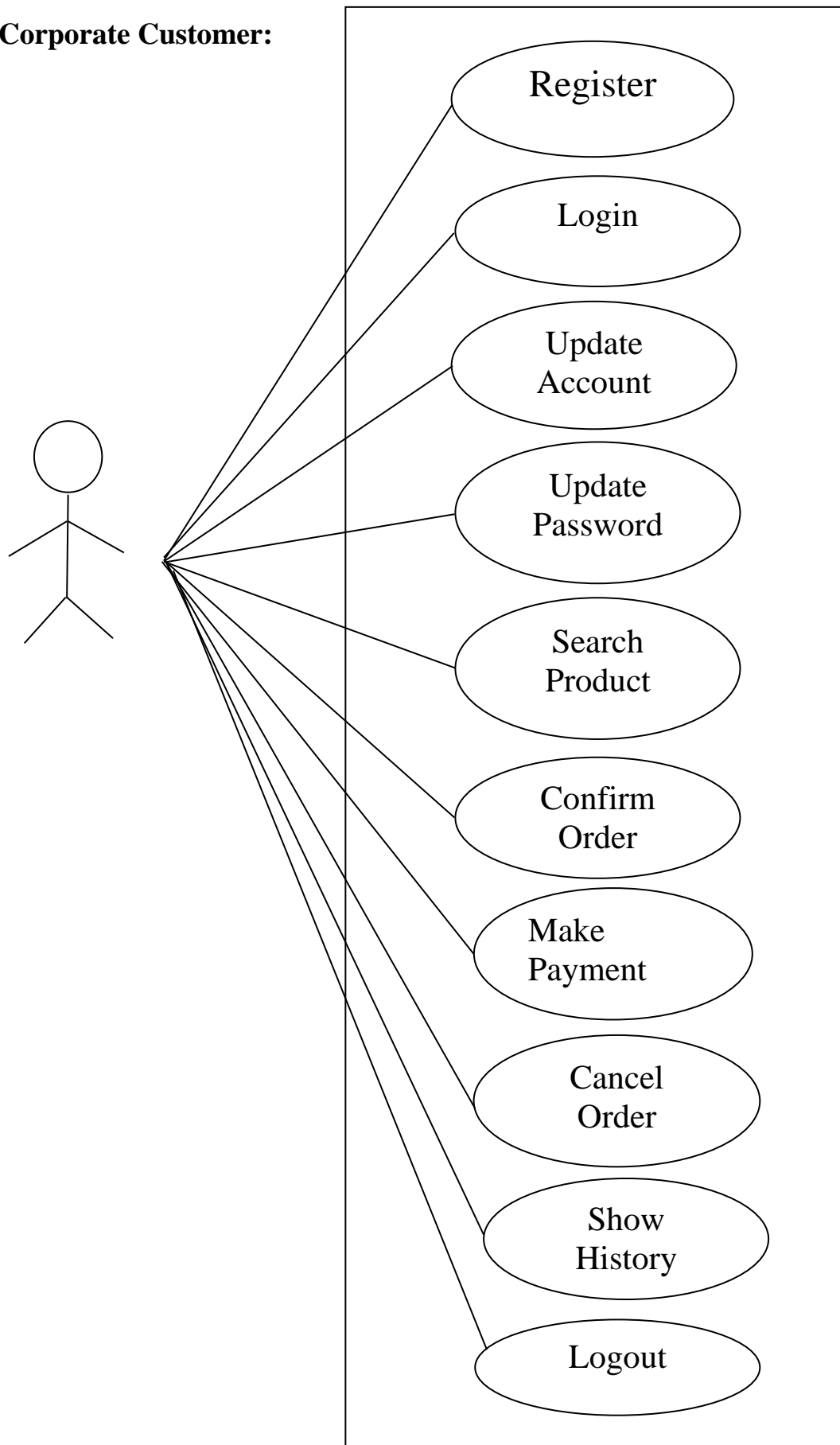
1. In Artist use case diagram Artist is the Actor.
  2. Artist can handle following use cases:
    - a. Register
    - b. Login
    - c. Search Product
    - d. Publish Product
    - e. Update Product
    - f. Delete Product
-

**Customer:**

*Fig. Use case diagram for Customer*

**Customer:**

1. In Customer use case diagram Customer is the Actor.
  2. Customer can handle following use cases:
    - a. Register
    - b. Login
    - c. Search Product
    - d. Buy Product
    - e. Payback
    - f. Cancel Order
-

**Corporate Customer:**

*Fig. Use case diagram for Corporate Customer*

## Corporate Customer:

1. In Corporate Customer use case diagram Corporate Customer is the Actor.
2. Corporate Customer can handle following use cases:
  - g. Register
  - h. Login
  - i. Search Product
  - j. Buy Product
  - k. Payback
  - l. Cancel Order

## 6. Database Design:

### 1] login table

login					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
username	varchar(45)	no		null	
password	varchar(45)	no		null	
status	tinyint	no		null	
roles_id	int	no	F.KEY	null	roles(id)
question	varchar(100)	no		null	
answer	varchar(45)	no		null	

### 2] role table

roles					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
role	varchar(45)	no	UNI	null	

---

## 3] memberships table

memberships					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
mname	varchar(45)	no		null	
duration	int	no		null	
price	float	no		null	

## 4] artwork\_categories table

artwork_categories					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
cname	varchar(45)	yes		null	

## 5] artists table

artists					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
fname	varchar(45)	yes		null	
lname	varchar(45)	yes		null	
email	varchar(100)	yes	UNI	null	
mobile_no	varchar(12)	yes		null	
studio	varchar(100)	yes		null	
address	varchar(200)	yes		null	
approved	tinyint	yes		null	
m_id	int	yes	F.KEY	null	memberships(id)
login_id	int	yes	F.KEY	null	Login(id)

---



6] **customers table**

<b>customers</b>					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
fname	varchar(45)	yes		null	
lname	varchar(45)	yes		null	
email	varchar(100)	yes	UNI	null	
mobile_no	varchar(12)	yes		null	
address	varchar(200)	yes		null	
approved	tinyint	yes		null	
m_id	int	yes	F.KEY	null	memberships(id)
login_id	int	yes	F.KEY	null	Login(id)

7] **corporate\_customers table**

<b>corporate_customers</b>					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
firmname	varchar(45)	yes		null	
email	varchar(100)	yes		null	
mobile_no	varchar(12)	yes		null	
address	varchar(200)	yes		null	
gst_no	varchar(12)	yes		null	
m_id	int	yes	F.KEY	null	memberships(id)
login_id	int	yes	F.KEY	null	Login(id)
approved	bit(1)	yes		null	

---

## 8] artworks table

artworks					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
art_name	varchar(45)	no		null	
art_description	varchar(150)	no		null	
art_img	longblob	yes		null	
art_length	float	no		null	
art_breadth	float	no		null	
sold	tinyint	yes		0	
art_category_id	int	yes	F.KEY	null	artwork_Category(id)
artist_id	int	yes	F.KEY	null	artist(id)
price	float	yes		null	

## 9] orders table

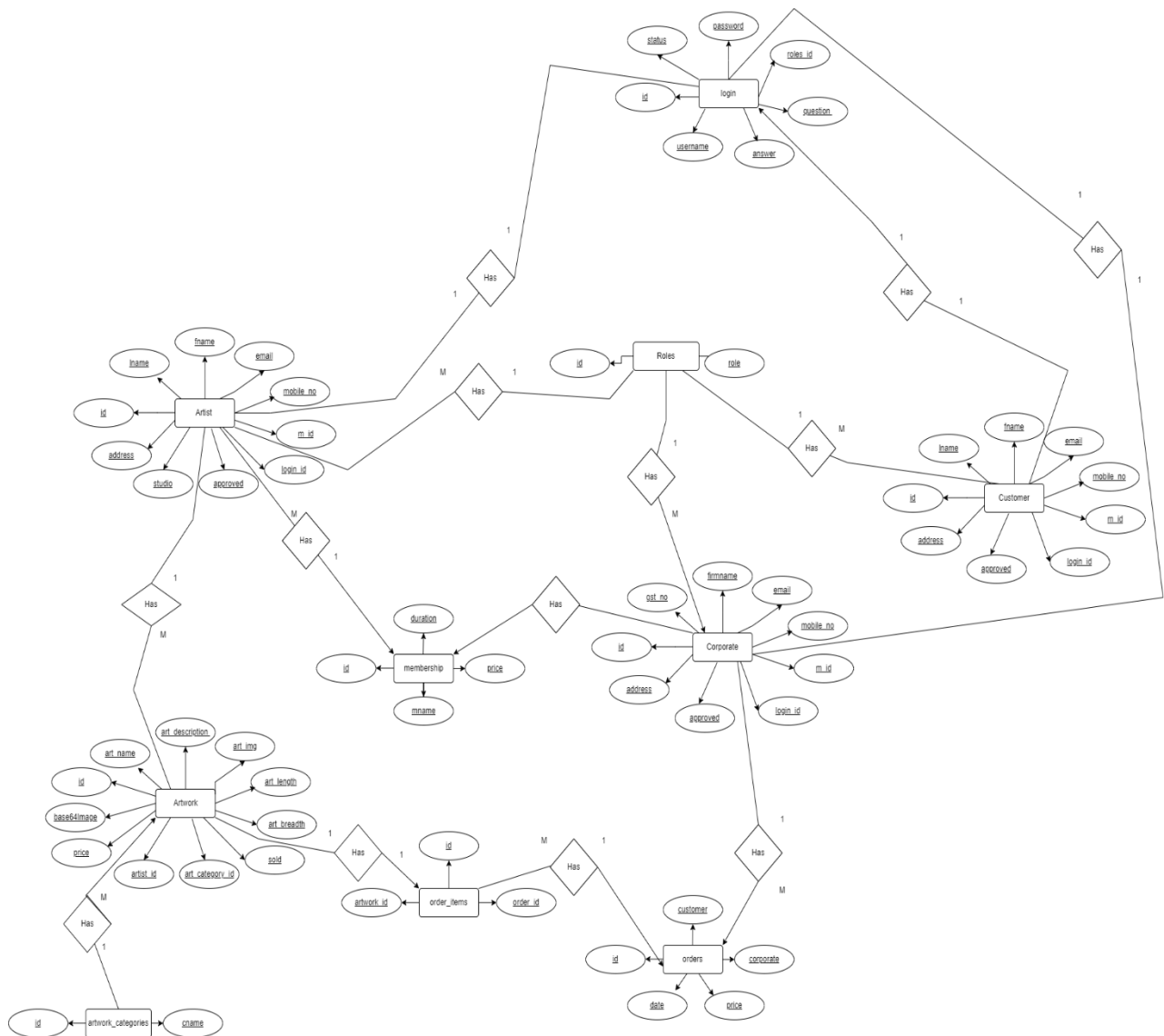
Orders					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
cust_id	int	yes	F.KEY	null	customer(id)
corporate_id	int	yes	F.KEY	null	corporate_customer(id)
date	datetime	yes		null	

## 10] order\_items table

order_items					
Field	Type	Null	Key	Default	Extra
id	int	no	PRI	null	auto_increment
artwork_id	int	no	F.KEY	null	artwork(id)
order_id	int	no	F.KEY	null	order(id)

---

## 7. ER-Diagram:

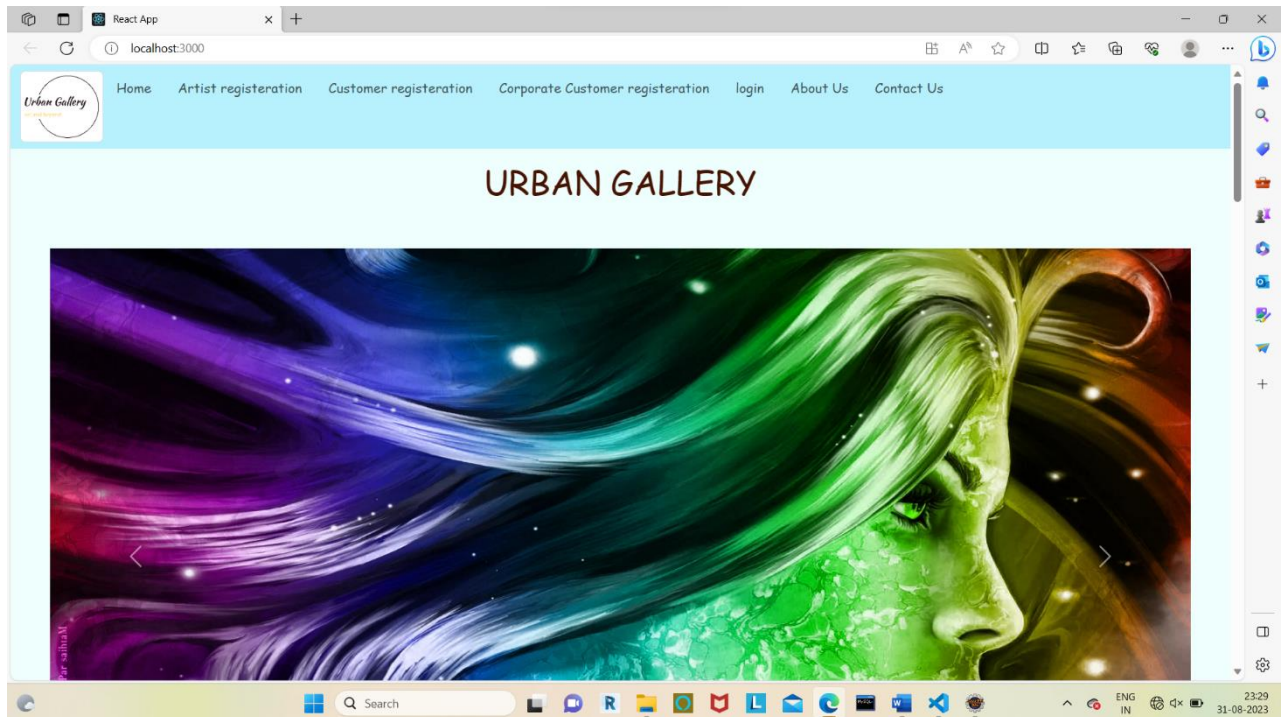


**E-R diagram shows database of Urban Gallery**

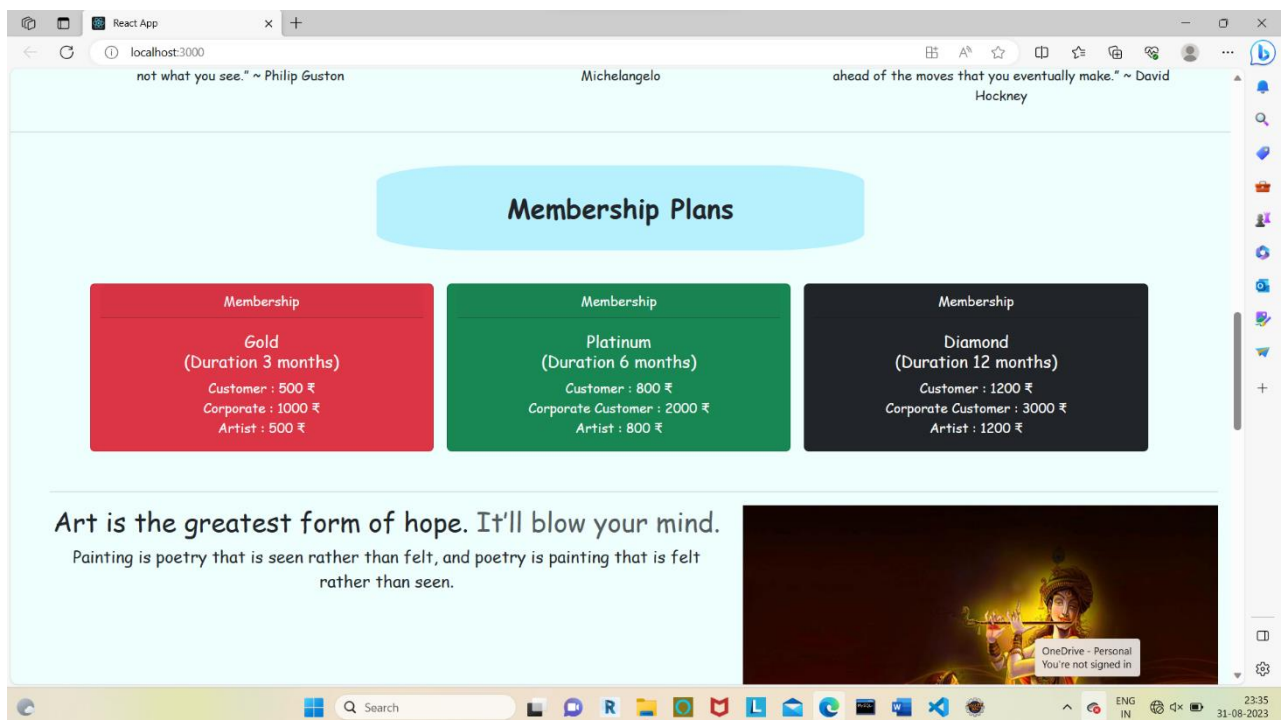
## 8. Snapshots:

### 8.1 Home Page:

Following snapshot shows the Home page for Urban Gallery before Login.

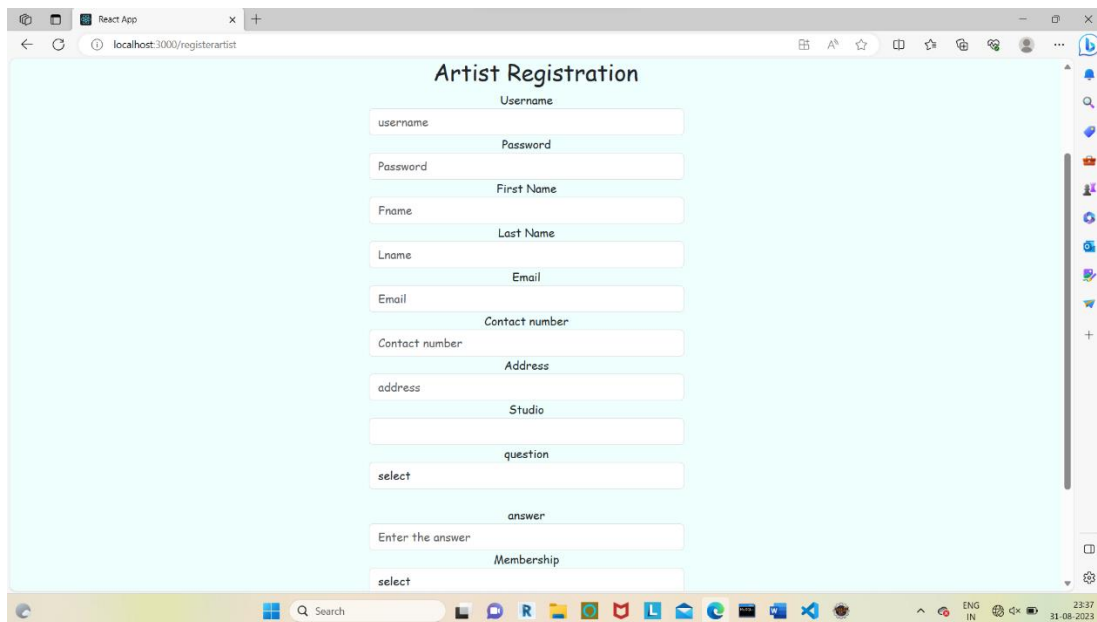


Home page contains Membership Categories and other details about the website.



## 8.2 Registration Page:

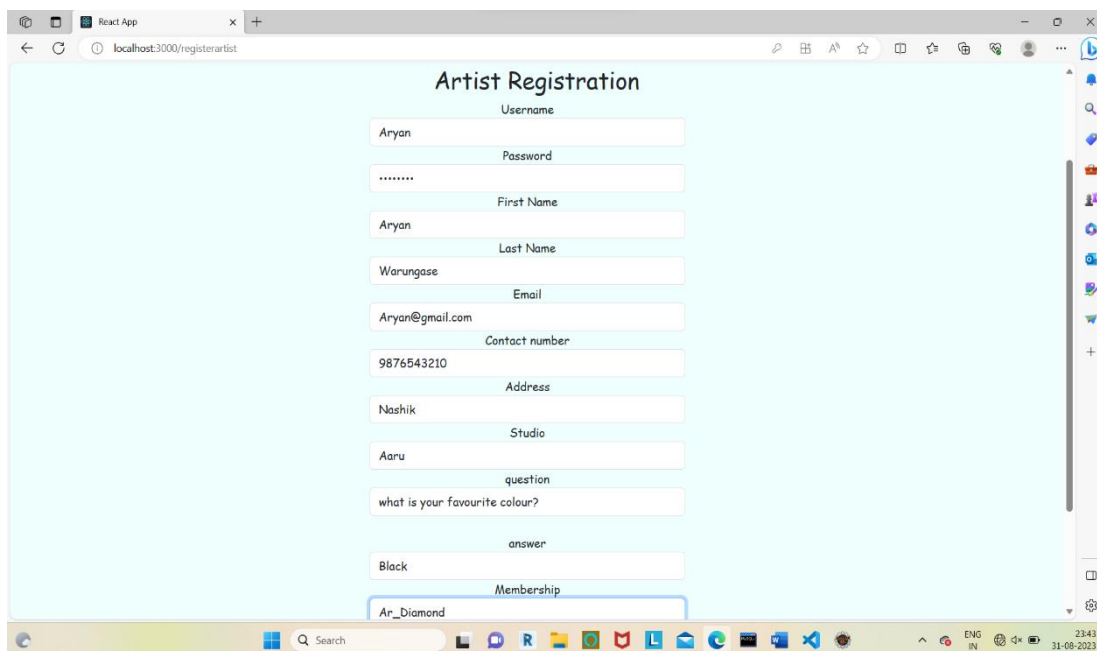
Artist Registration page:



The screenshot shows a web browser window with the URL `localhost:3000/registerartist`. The page title is "Artist Registration". The form contains the following fields:

- Username:
- Password:
- First Name:
- Last Name:
- Email:
- Contact number:
- Address:
- Studio:
- question:
- answer:
- Membership:

Similarly, there is Registration page for Customer and Corporate Customer.



The screenshot shows the same "Artist Registration" page, but with sample data filled in the input fields:

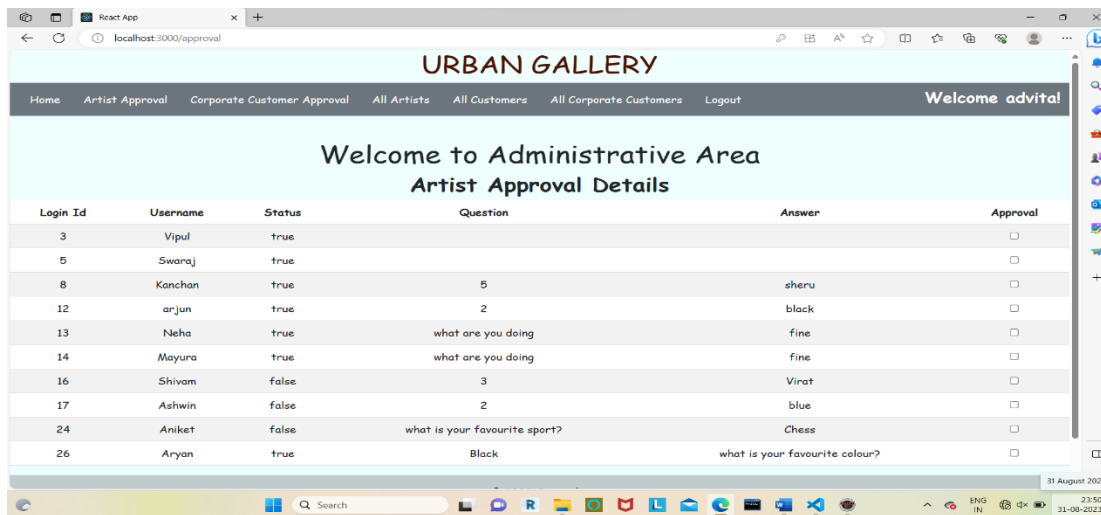
- Username: Aryan
- Password: .....
- First Name: Aryan
- Last Name: Warungase
- Email: Aryan@gmail.com
- Contact number: 9876543210
- Address: Nashik
- Studio: Aaru
- question: what is your favourite colour?
- answer: Black
- Membership: Ar\_Diamond

Once the Artist, Customer and Corporate Customer register their approval request will go to admin for approval and admin will decide whether to allow them or not.

A Welcome email will be sent to the user when they register in the application.

## 8.2 Admin Home Page:

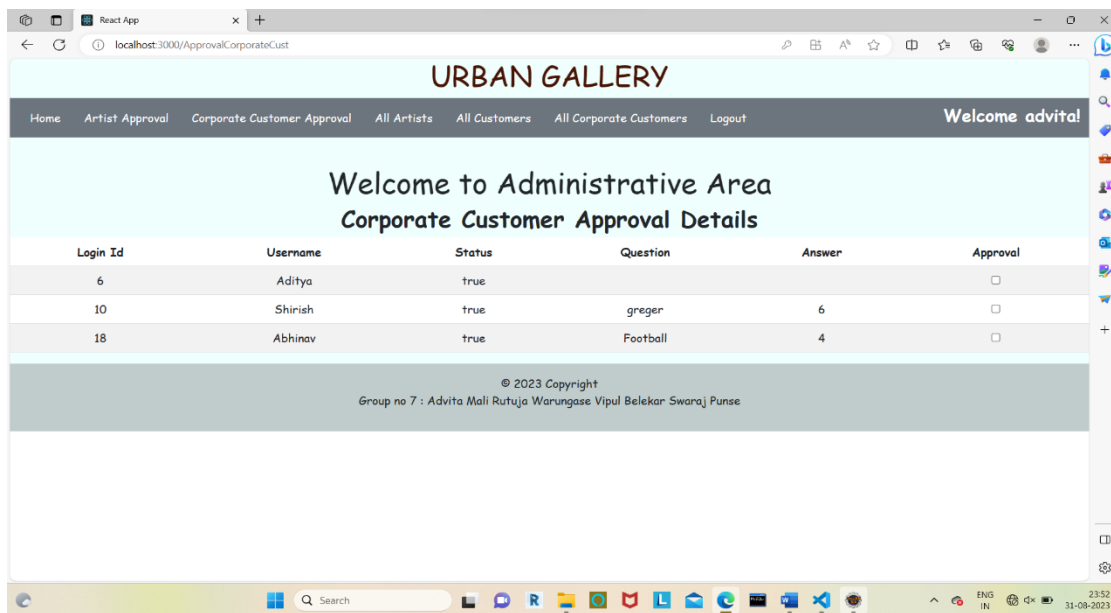
Admin approve the Artist according to the information provided by the artist at the time of registration.



The screenshot shows the 'URBAN GALLERY' Admin Home Page. The page has a navigation bar with links: Home, Artist Approval, Corporate Customer Approval, All Artists, All Customers, All Corporate Customers, and Logout. A welcome message 'Welcome advita!' is displayed. The main heading is 'Welcome to Administrative Area Artist Approval Details'. Below this is a table with columns: Login Id, Username, Status, Question, Answer, and Approval. The table contains 10 rows of data.

Login Id	Username	Status	Question	Answer	Approval
3	Vipul	true			<input type="checkbox"/>
5	Swaraaj	true			<input type="checkbox"/>
8	Kanchan	true	5	sheru	<input type="checkbox"/>
12	arjun	true	2	black	<input type="checkbox"/>
13	Neha	true	what are you doing	fine	<input type="checkbox"/>
14	Mayura	true	what are you doing	fine	<input type="checkbox"/>
16	Shivam	false	3	Vinat	<input type="checkbox"/>
17	Ashwin	false	2	blue	<input type="checkbox"/>
24	Aniket	false	what is your favourite sport?	Chess	<input type="checkbox"/>
26	Aryan	true	Black	what is your favourite colour?	<input type="checkbox"/>

Admin approve the Corporate Customer according to the information provided by the Corporate Customer at the time of registration.



The screenshot shows the 'URBAN GALLERY' Admin Home Page for Corporate Customer Approval. The page has a navigation bar with links: Home, Artist Approval, Corporate Customer Approval, All Artists, All Customers, All Corporate Customers, and Logout. A welcome message 'Welcome advita!' is displayed. The main heading is 'Welcome to Administrative Area Corporate Customer Approval Details'. Below this is a table with columns: Login Id, Username, Status, Question, Answer, and Approval. The table contains 3 rows of data.

Login Id	Username	Status	Question	Answer	Approval
6	Aditya	true			<input type="checkbox"/>
10	Shirish	true	greger	6	<input type="checkbox"/>
18	Abhinav	true	Football	4	<input type="checkbox"/>

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Admin can also see all the lists of Artist, Customer and Corporate Customer who have registered on the application.

React App | localhost:3000/allArtists

## URBAN GALLERY

Home Artist Approval Corporate Customer Approval All Artists All Customers All Corporate Customers Logout Welcome advital

### Welcome to Administrative Area Artist List

Artist Id	First Name	Last Name	Email	Contact	Studio Name	Address
1	Manish	Samant	manish@gmail.com	7788669922	SamantStudio	Malvan
2	Arjun	Choudhary	arjun@gmail.com	09876543210	gokhle nagar	gokhle nagar
4	Neha	hiray	neha@gmail.com	899640531	nehadds	nashik
5	Shivam	Patil	shivam@gmail.com	9638527410	Wakad	Wakad
6	Ashwin	Patil	ashwin@gmail.com	1234567890	Kolhapur	Kolhapur
8	Aniket	Kudale	aniket@gmail.com	1511486877	Pune	Pune
9	Aryan	Warungase	Aryan@gmail.com	9876543210	Nashik	Nashik

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31 August 2023

React App | localhost:3000/allCustomers

## URBAN GALLERY

Home Artist Approval Corporate Customer Approval All Artists All Customers All Corporate Customers Logout Welcome advital

### Welcome to Administrative Area Customer List

Customer Id	First Name	Last Name	Email	Contact	Address
5	Ram	Patil	ram@gmail.com	09876543210	Pune
6	Sagar	Patil	sagar@gmail.com	9876543210	jalgaon
7	Rutvij	Wary	rutvij@gmail.com	5476476767	
8	Ajay	Narkhede	ajay@gmail.com	09876543210	Pune

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23:56 31-08-2023

React App | localhost:3000/allCoCustomers

## URBAN GALLERY

Home Artist Approval Corporate Customer Approval All Artists All Customers All Corporate Customers Logout Welcome advital

### Welcome to Administrative Area Corporate Customer List

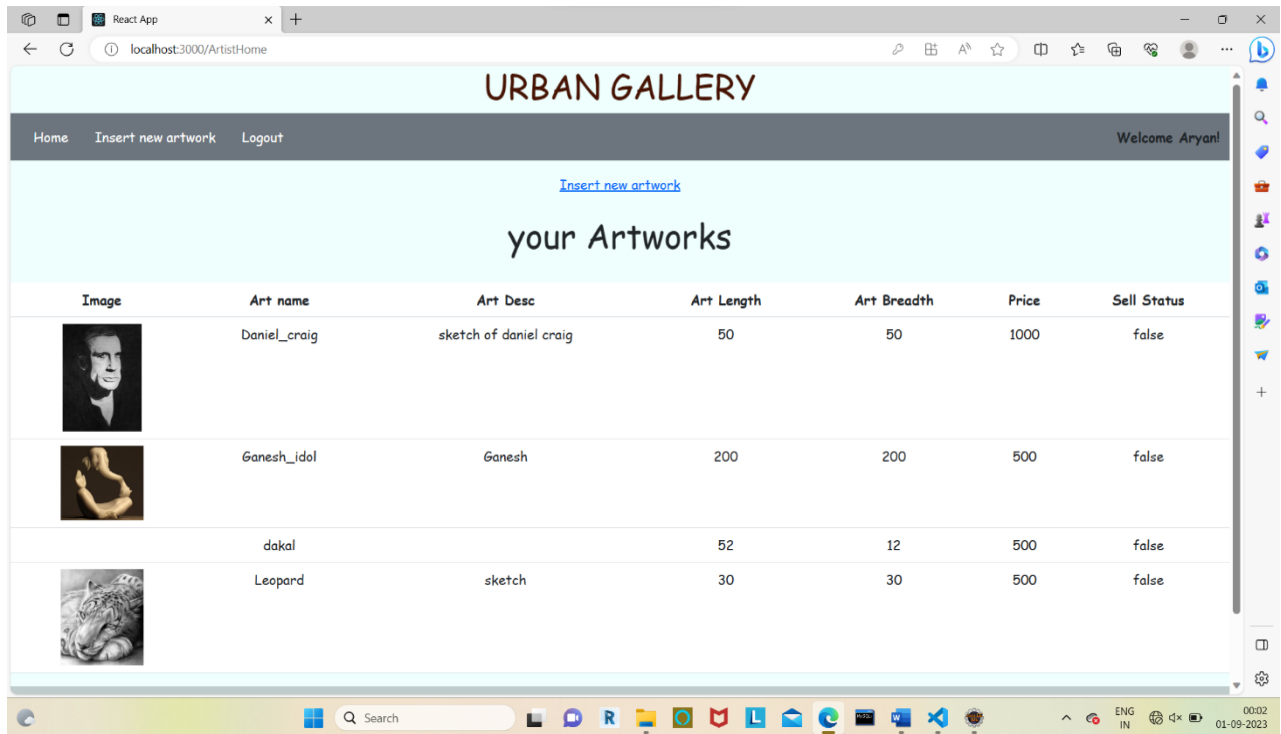
Corporate Customer Id	FirmName	Email	Contact	Address	GST No
1	Ritesh	ritesh@gmail.com	9966774488	Kothrud	123456
3	Abhinav	abhinav@gmail.com	9876543210	pune	4561

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23:58 31-08-2023

## 8.3 Artist Page

Artist can see their Artwork which he or she can see and also insert artwork.



On this page artist can add their artwork:

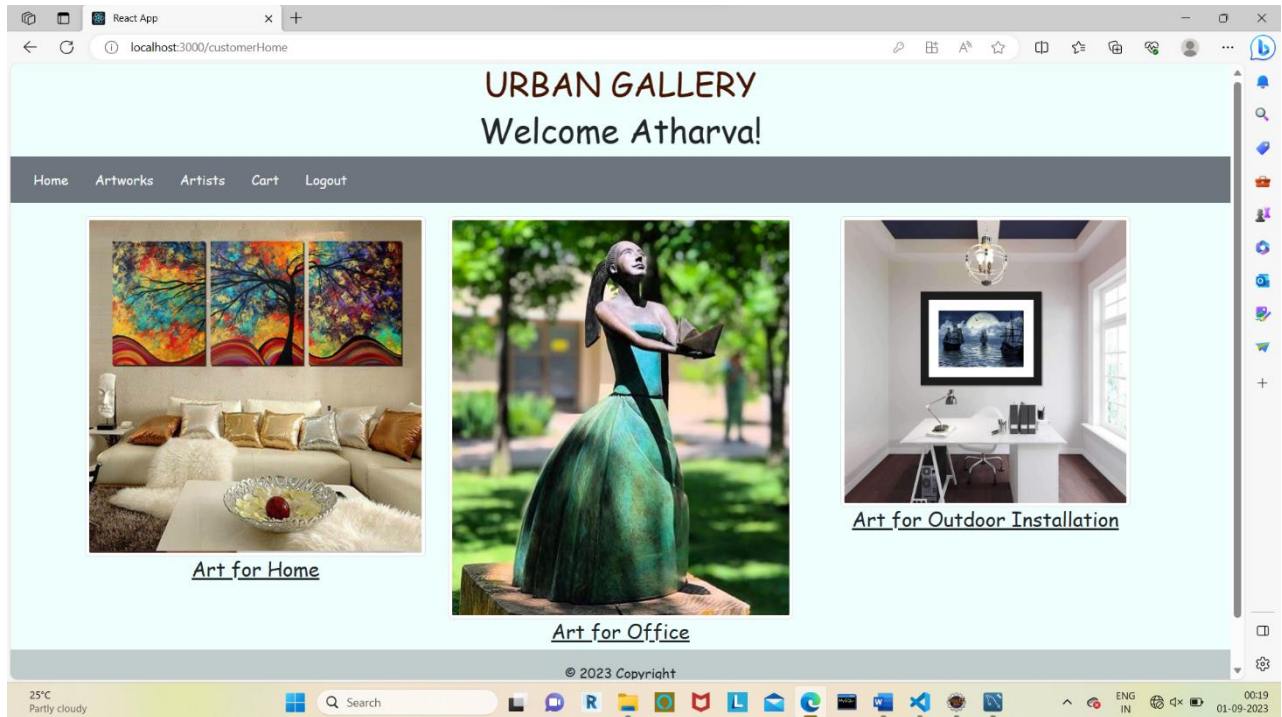
The screenshot shows the 'Add Artwork' page. It features a form for adding new artwork details. The form includes the following fields and controls:

- Buttons:** 'Add Artwork' (top), 'Go Back' (top left).
- Heading:** 'Add details of your art work'.
- Form Fields:**
  - Artwork name (labeled 'Enter Product name')
  - Artwork description (labeled 'add description')
  - select Artwork category : Select one (dropdown menu)
  - select image of your artwork : (labeled 'Choose File', showing 'No file chosen')
  - Enter Length : (labeled 'add length in cms')
  - Enter Breadth : (labeled 'add Breadth in cms')
  - Enter price : (labeled 'Enter price')
- Submit Button:** 'SUBMIT' (bottom right).

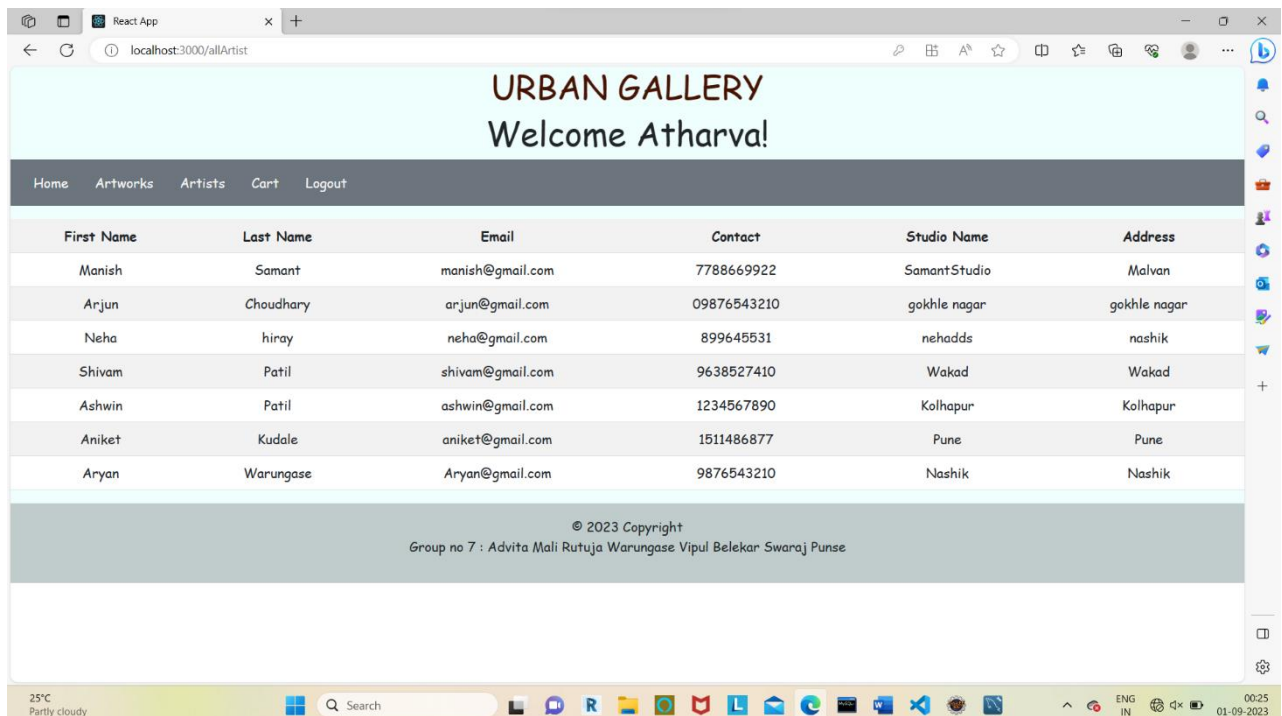


## 8.4 Customer Page

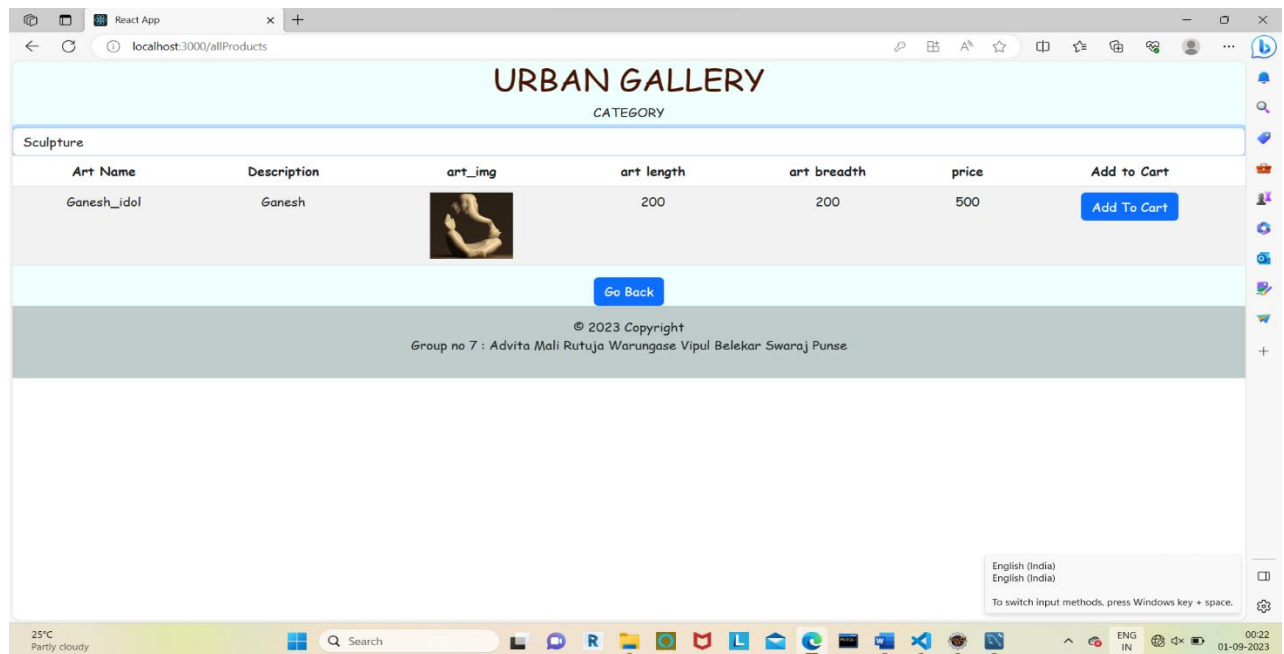
Customer Home Page:



Customer can see all the artists present in the website:



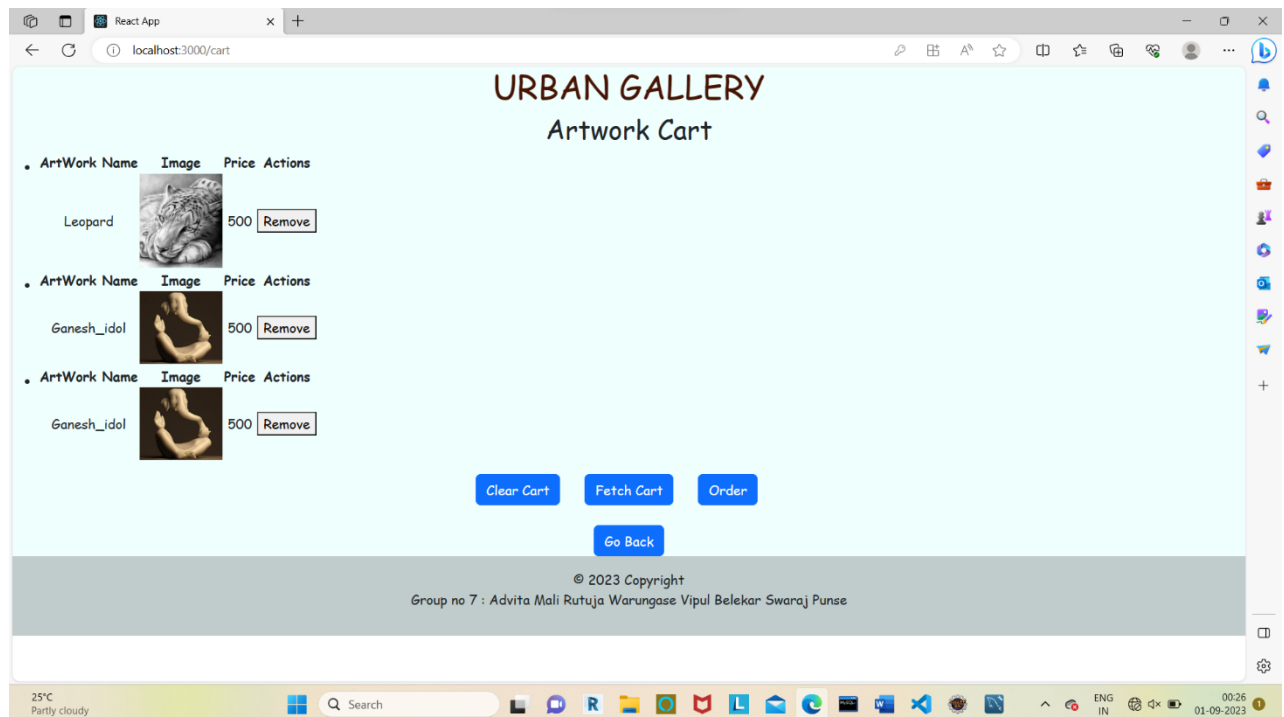
Customer can also see all the artworks present in different categories:



Similarly, there is a module for Corporate Customer.

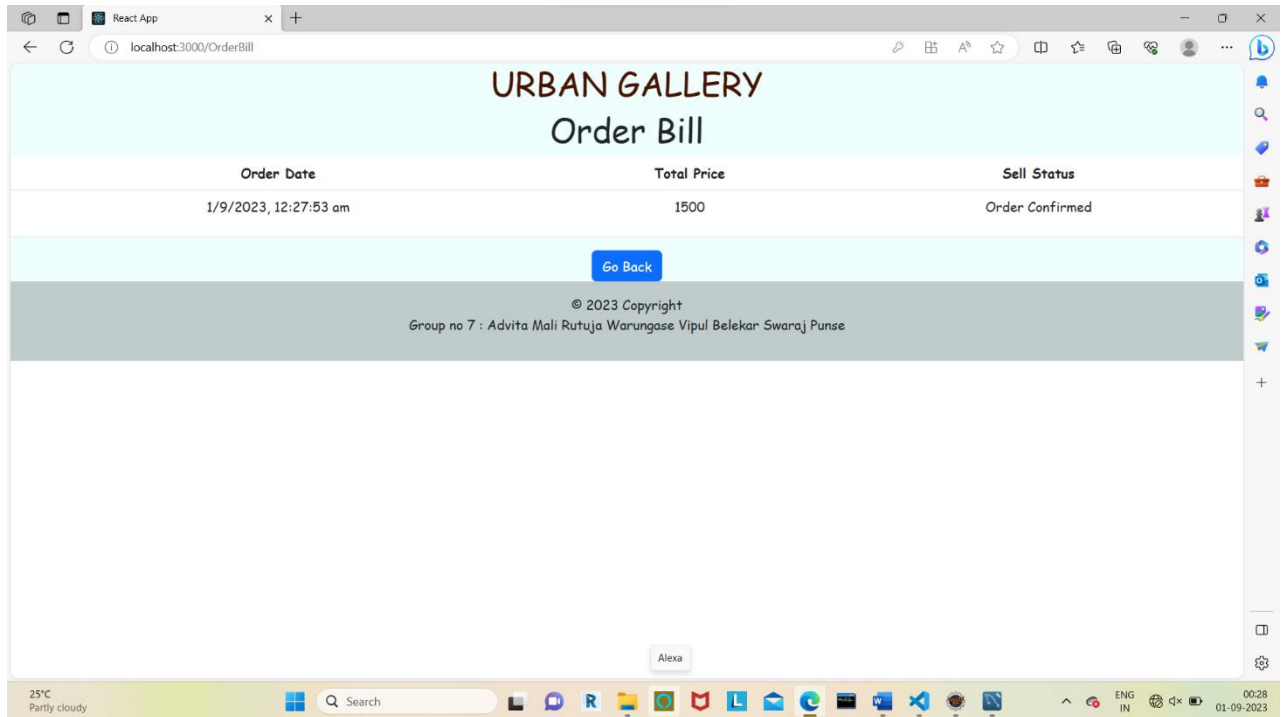
## 8.5 Cart

Customer can add or remove Artwork from Cart before ordering.



## 8.5 Order

The Customer can so the confirm status of the order with amount of the cart.



## 9. CONCLUSION AND FUTURE SCOPE

Urban Gallery provides better platform for Artists to showcase their artworks without investing much on the artwork showcasing as compared to showcasing the artwork through physical platform and it also reduce difficulties for artwork buyers as they can see and buy the artwork from their home itself.

Our System provides a very user-friendly platform where Customer can easily buy artwork with the help of images provided by the artists.

Our system will also provide functionalities like search by particular category of artwork, buying multiple artwork and an easy process for artist to showcase their artwork.



