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ONLINE ART GALLERY

By

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B.E., Osmania University, 2017

GRADUATE CAPSTONE SEMINAR PROJECT

Submitted in partial fulfillment of the requirements

For the Degree of Master of Science,

With a Major in Computer Science



Governors State University
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ABSTRACT

Online Art Gallery is an E-commerce website that displays artworks and connects individuals around the globe with an art and artist. This website presents a wide range of digital art, paintings, prints, sculpture and photography, and offers an organized environment for artists to display and sell their art.

Online Art Gallery makes it possible for potential buyers to search for galleries based on color, artists, locations, original arts, dimensions, desired frames, or cost. This website has a database that stores data about artists, galleries and buyers.

This website enables buyers to browse through the categories, artists, tags and prices for artwork. If the buyer is new, he must create an account to buy a certain artwork and the buyer will be redirected to a payment page. Reviews and comments forms will also be included after successful purchases.

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1 Feature Description

Online Art Gallery is an E-commerce website which shows the innovative artwork, connects the individual with art and artists. Admin can login with username and password. Admin can either add, edit and delete an artist, customer and orders. He can manage the paintings by deactivating any painting of any artist. He can supervise the painting categories by add, edit and delete which include abstract art, nature, sports which further divided into Subcategories based on artwork. Orders and payments are also monitored by the admin. Reports are generated based on artist, category, customer, orders and monthly artist payout. Further customers feedback can be viewed by admin through his dashboard. Admin can securely logout for the data integrity.

With the help of this website new artist and customers can register themselves respectively. Artist can sign-up by providing the information such as first name, last name, mobile number, email address and password. A unique ID is generated for artist which can later be change by the artist in his profile tab. Artist can login with his unique user Id and password. He can manage painting, description and details of artwork, set price, provide discount offers, edit/delete paintings, orders and status of painting weather in stock/ out of stock. Artist can securely logout for data integrity. Customer can sign-up by providing personal information in registration form like first name, last name, mobile number, email address and password. A unique username is created which can be changed by the user in the profile tab. He can login with the username and password. A homepage of the website will get display along with his username where he can add/delete paintings in his cart, shipping details, payments, payment confirmation and tracking orders. After successful purchase of artwork, he can leave a feedback for specific paintings. Customer can securely logout from dashboard.

This website enables customers to browse based on categories, sub-categories, price and artist for artwork. This website has a database that stores the data about artist, paintings and customers.

1.1 Competitive Information

There are few other websites which sells and buy artwork referred below

- Artsper | Vente d'Oeuvres d'Art en Ligne | L'art vous Appartient. 2019. Artsper | Vente d'Oeuvres d'Art Contemporain en Ligne . [ONLINE] Available at: <https://www.artsper.com>. [Accessed 22 November 2019]
- Artfinder. 2019. Buy Art | Original Artwork, Wall Art & Art Prints | Artfinder. [ONLINE] Available at: <https://www.artfinder.com>. [Accessed 22 November 2019].
- Contemporary Art for Sale, Sculptures, Original Paintings, Photographs and Fine Art Prints on Canvas, Paper, Metal & More. 2019. Contemporary Art For Sale, Sculptures, Original Paintings, Photographs and Fine Art Prints on Canvas, Paper, Metal & More. [ONLINE] Available at: <https://www.contemporaryartgalleryonline.com>. [Accessed 22 November 2019].

1.2 Relationship to Other Applications/Projects

There is no such relationship with any other websites or resources. All the data is stored in database management system.

1.3 Assumptions and Dependencies

Following are the assumptions made in our project:

The design will have control over modifications in future that will trigger potential requirements for improvements. The group of User Interface will have the collaborative process with the group of database management system.

1.4 Future Enhancements

In the future, we will focus on the online bidding for painting. we will also improve things like based on customer search interest, arts suggestion, discount coupons and free gifts.

2 Technical Description

We have used .Net Framework to build the online art gallery web application. Asp.Net Framework is a commonly used design application for development of web applications.

Advantages of using Asp.Net Framework:

- With the .Net Framework, it is possible to reduce the number of codes used in development of web applications.
- Asp. Net and Html create dynamic web pages easily together.
- Asp.Net is easy to install because of built in configuration features and caching features.
- In the Asp.Net framework, program logic and content both are separated, thus reducing the inconvenience of the program.
- The windows web server manages the web pages, programs, and various modules that run over it extensively.

In front end HTML, CSS, Bootstrap, JavaScript are used and with these scripts we have developed the webpage layouts and user interface for website. For back end we are using MS SQL Server and Visual studio 2017. The programming language used is C#.Net.

In this project, Admin has its unique user Id and password. After login admin can manage artist, painting categories and subcategories, orders, reports, payments etc. Artist can register, create a user Id and password then upload paintings, view paintings and add to exhibition. Customer can register, create a user Id and Password then after successful login the buyer can view paintings, search for more paintings, add to cart, buy painting, track order details, view exhibitions.

2.1 Application Architecture

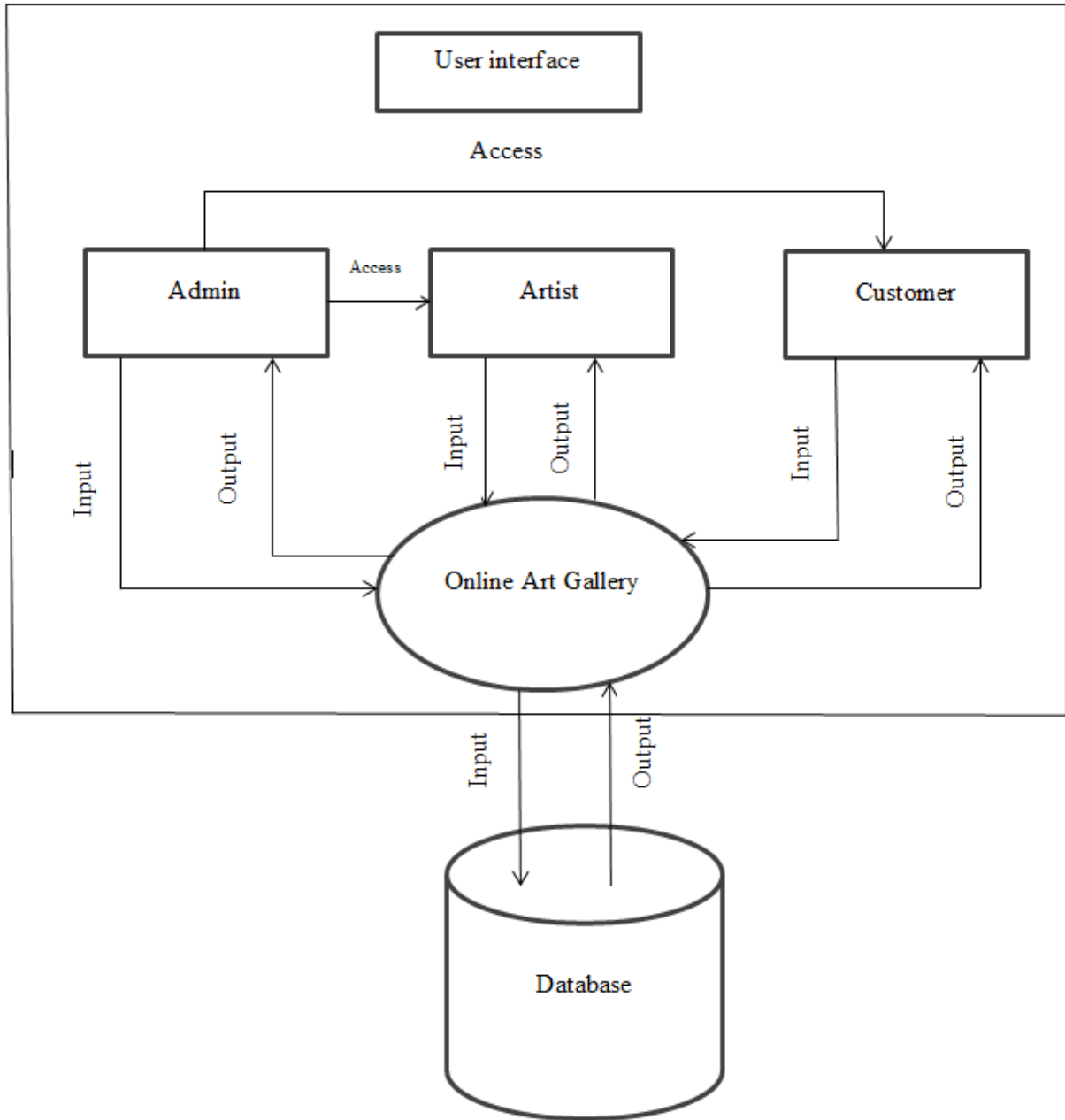


Figure 1 Website Application Architecture

2.2 Application Information flows

2.2.1 Sequence diagram for Login Page

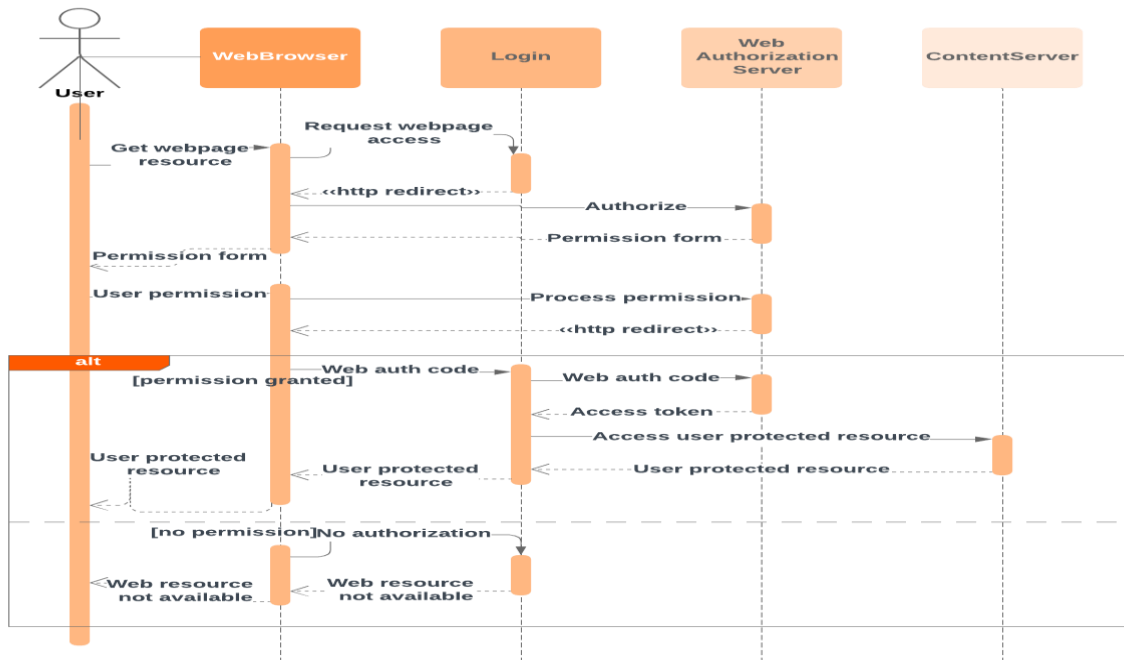


Figure 2 Sequence diagram for Login Page

In Login Page, User needs to provide valid credentials for successful login. Once the user inputs his username and password then website redirect that information to server page to validate that information to match the records. If the information provided by user is true, then the server grant access to view the page and access all the functionalities. If the information is false, then server display a message which states that user id and password is incorrect. User can also request for password recovery to achieve new temporary password and later can be changed by login into website

2.2.2 Sequence diagram for Admin

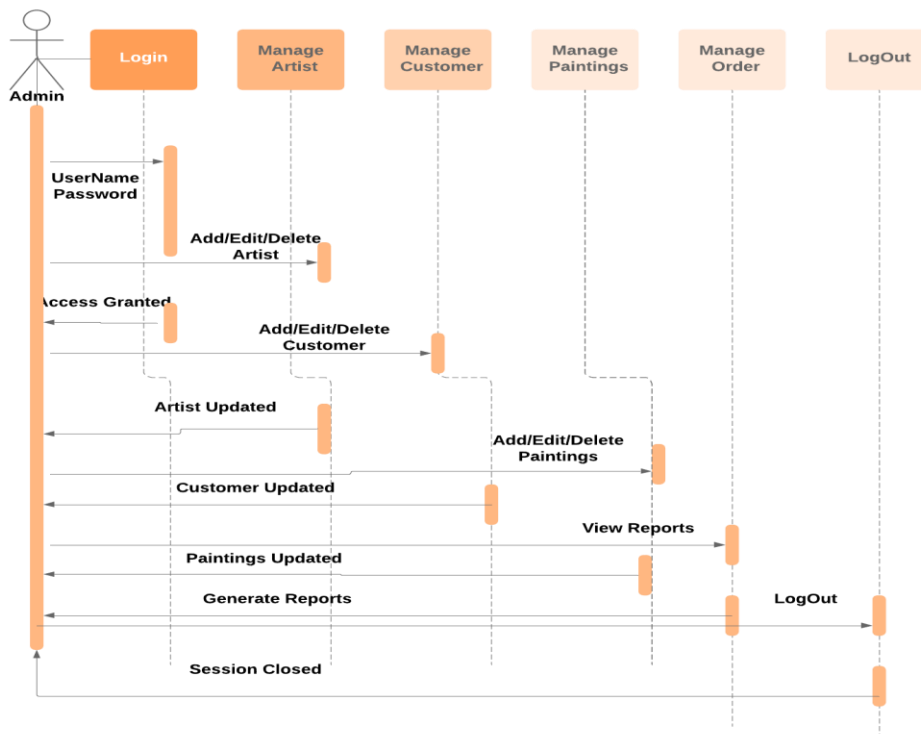


Figure 3 Sequence diagram for Admin

Admin needs to provide valid user ID and Password to have access to the webpage and can gain all the rights to manage artist and customer accounts. Admin can able to add artist, edit artist details give approve access to artist, approve his paintings, delete artist from the website. If the artist wants to add into the website, then admin needs to give authorization first to that artist before he can perform any task on the webpage. Admin can delete customers or artist and can ban them to visit the website in future.

Manage paintings in the webpage categories such as add, edit and delete painting categories, which also includes Oil painting, Abstract art, Acrylic. Admin can access all the orders placed by customers to check order status, monitor those orders, comments of painting and track payment details. Category wise painting, Customer report, Order report, monthly artist payout report. Finally, logout securely.

2.2.3 Sequence diagram for Artist

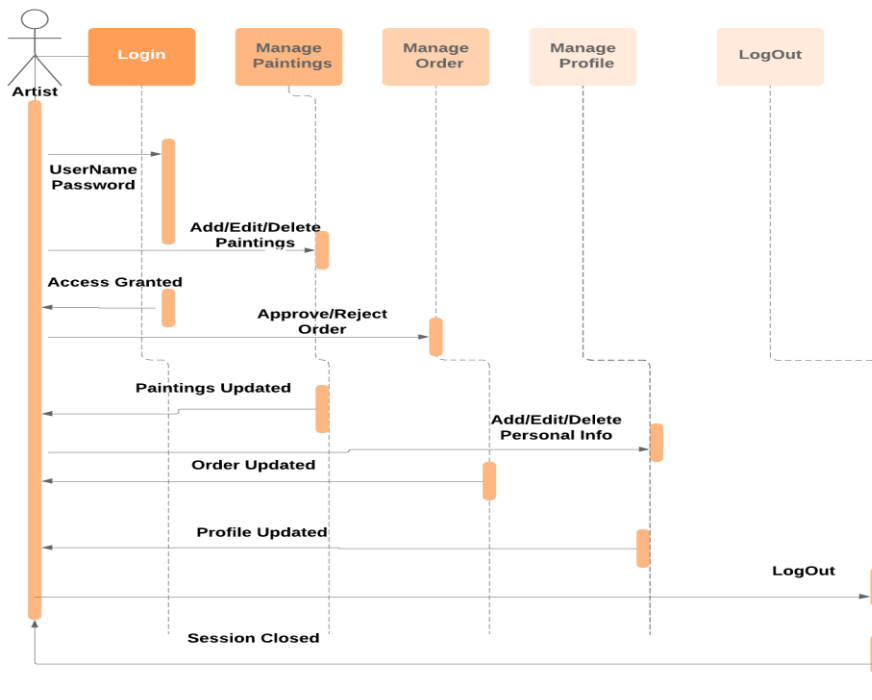


Figure 4 Sequence diagram for Artist

Artist can sign up by providing information such as First name, Last name, Mobile number, Email Address, Password and after that, a unique Username will be created which can be later changed by the artist in profile tab.

Artist need to login application by providing valid username and password to gain successful access They can manage paintings, add new paintings with multiple photos and provide a brief description to those paintings, whether it is oil painting, historical painting, sports, actors or nature painting. They can have full access to update and delete those paintings from the stock.

Once the customer placed the order then artist can either approve or reject that painting for processing. Artist can check how much painting stock available in the website. Artist can also provide subcategories to those paintings for quick search for customers. Artist can also change password and his profile details by login to the website anytime. Once everything is successful updated, artist can log out the page.

2.2.4 Sequence diagram for Login Page

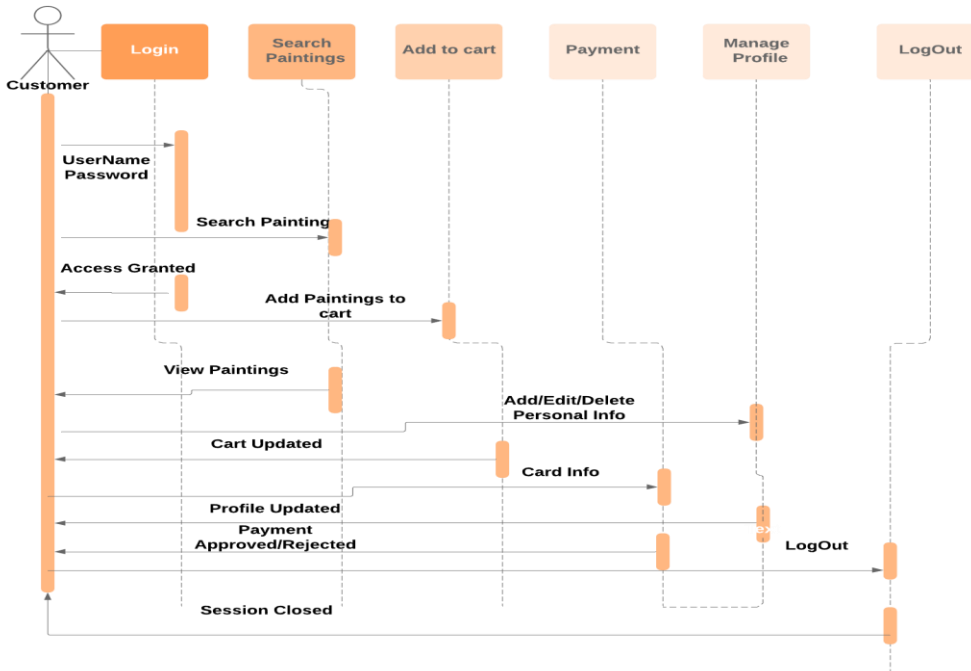


Figure 5 Sequence diagram for Login Page

Customers need to sign up by providing information such as First name, Last name, Mobile number, Email Address, Password and after that, he can create a unique username and password for the application.

Once customer created his account. They need to provide valid username and password to gain access in the system. That user ID and password being sent to the server to check for validation. Once the given information is valid successful then user can able to access the login page. If the detail of either ID or password is incorrect then it provides with an error message which states that username and password does not match.

Customer can search for paintings by artist name, color, its size, or go with categories in the webpage. Once the customer wants to purchase any paintings from the website then they can add that painting to the cart and provide valid bank account details to make the purchase successful. That order status will be generated in the artist webpage where artist can either approve that painting or reject it. Once the artist approves that painting, customer can login and check order status and shipment details for that painting. Once the order has been received, they can always give feedback on the website about the painting they received is accurate. They also can update their profile and account information any time by login to the application. Once the process is done then they can successfully log out from the application.

2.3 Interactions with other Applications

There are no Interactions with other applications as it is designed to work separately.

2.4 Capabilities

This project is based on the three entities i.e. admin, artist, and customer. Each entity has different capabilities which are defined below.

- Admin
 - Can manage all the data from his dashboard.
 - Can approve or reject the newly registered artist.
 - Can manage artist, customer, and paintings.
- Artist
 - Can be able to register through artist registration page.
 - Can manage his gallery.
 - Can update whether paintings are in stock or out of stock.
 - Can see his customer through the dashboard.
- Customer
 - Can access the website and login through the homepage by entering his user credentials, if he is not a returning customer then he must register first by providing his personal information in the registration form.
 - Can be able to narrow the search by search tab.
 - Can add painting to the cart and make payment.

2.5 Risk Assessment and Management

The major risk in our project was overloading of Artist and Admin sessions as the gateway was common for both. It was eliminated by providing the project with dynamic server so that any data change can be updated dynamically. A minor risk of non-responsive software at times is dealt by hard rebooting the system.

3 Project Requirements

3.1 Identification of Requirements

3.1.1 Admin Requirements

<GSU-GS_FA2019-1 Admin Login-000100>

Admin can login with credentials i.e., username and password. If approved, he will be directed to the dashboard or else a message will pop-up showing “invalid username or password”

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Artist-000101>

After logging in, Admin can manage artist information. Admin can

- Add / Edit Artist
- Approve / Reject Artist
- Delete Artist.

Artist information will be updated accordingly. If an existing artist is marked rejected, he wouldn't be able to login.

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Gallery -000102>

Admin can Delete / Deactivate any painting of any artist and the paintings will be removed from the website if marked as deleted.

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Painting Categories-000103>

Categories can be added and edited only by admin. Admin can Add, Edit and Delete Painting Categories and Subcategories which includes Oil painting, Abstract Art, Sports, Nature.

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Orders-000104>

Under Manage Orders tab, Admin can check and monitor over all orders that have been placed. Data will show status of order, artist, customer, order date etc.

Implementation: Mandatory

<GSU-GS_FA2019-1 Tracking Payments-000105>

Admin can check and monitor over all payments that have been processed.

Implementation: Mandatory

<GSU-GS_FA2019-1 Reports-000106>

Reports are generated by admin under “Reports” tab in the following ways

- Artist wise.
- Category wise paintings.
- Customer reports.
- Order reports.
- Monthly artist pay-out reports.

Implementation: Mandatory

<GSU-GS_FA2019-1 View Feedback-000107>

Customer feedback can be viewed by admin which shows details of customer providing the feedback. This feature is added to improve the website and to check if customers have any queries about any artist or paintings.

Implementation: Mandatory

<GSU-GS_FA2019-1 Admin Logout-000108>

Secure Logout to close session and ensures data integrity.

Implementation: Mandatory

Implementation: Mandatory

3.1.2 Artist Requirements

<GSU-GS_FA2019-1 Artist Registration-000109>

Artist can Sign-Up by providing the information

- First Name
- Last Name
- Mobile Number
- Email Address
- Password

A unique username will be created which can be later changed by the artist in profile tab.

Implementation: Mandatory

<GSU-GS_FA2019-1 Artist Login-000110>

Artist can Login with his credentials, username and password that have been generated during registration. If approved, he will be directed to the dashboard or else a message will pop-up showing “invalid username or password”

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Paintings-000111>

Under Manage Paintings tab, Artist can

- Add new painting
- Add multiple photos of painting
- Add Description and details of art work
- Set Price
- Provide discount offers
- Edit / Delete painting
- Painting Status (In Stock / Out of Stock)

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Artist Orders-000112>

Artist can manage his order under Manage order tab which includes

- View Order
- Set Order status (Pending / Dispatched)
- Old Orders

Implementation: Mandatory

<GSU-GS_FA2019-1 Manage Customers-000113>

Artist can have the details of the customers who ordered his paintings. This feature is added so that artist and customer can have ease of communication regarding respective orders. This can be viewed under Manage Customers tab.

Implementation: Mandatory

<GSU-GS_FA2019-1 Artist Profile-000114>

This feature provides the artist to add, edit, delete his information. He can change his credentials i.e., his username and password. It ensures security and data integrity.

Implementation: Mandatory

<GSU-GS_FA2019-1 Artist Logout-000115>

Secure Logout to close session and ensures data integrity.

Implementation: Mandatory

3.1.3 Customer Requirements

<GSU-GS_FA2019-1 Home page-000116>

Users can View all paintings, artists, details of the paintings, different categories and subcategories. Paintings will have their unique ID, pricing and artist details.

Implementation: Mandatory

<GSU-GS_FA2019-1 Search-000117>

Customers can search paintings by artists, categories, subcategories and price range. Paintings will be filtered and shown according to the search. This feature is added for easy usage of the website.

Implementation: Mandatory

<GSU-GS_FA2019-1 Sort-000118>

Customer can sort paintings by

- Artist name.
- Popularity.
- Price.
- Relatable.

Implementation: Mandatory

<GSU-GS_FA2019-1 Customer Registration-000119>

Customer can Sign-Up by providing the information

- First Name
- Last Name
- Mobile Number
- Email Address
- Password

A unique username will be created which can be later changed by the user in profile tab.

Implementation: Mandatory

<GSU-GS_FA2019-1 Customer Login-000120>

Customer can Login with his credentials, username and password that have been generated during registration. If approved, he will be directed to the dashboard or else a message will pop-up showing “invalid username or password”

Implementation: Mandatory

<GSU-GS_FA2019-1 Buy Painting-000121>

User need to follow the sequence to buy a painting.

- Add to cart
- Add or Delete Paintings from cart
- Add shipping details
- Make Payment
- Payment Confirmation

Implementation: Mandatory

<GSU-GS_FA2019-1 Customer feedback-000122>

Customers can give feedback on their website and shopping experience. This feature is added to improve the website and to check if customers have any queries about any artist or paintings.

Implementation: Mandatory

<GSU-GS_FA2019-1 Customer Orders-000123>

Users can check their Order Details and Track order status.

Implementation: Mandatory

<GSU-GS_FA2019-1 Customer Profile-000124>

This feature provides the customers to add, edit, delete his information. He can change his credentials i.e., his username and password. It ensures security and data integrity.
Implementation: Mandatory

<GSU-GS_FA2019-1 Customer Logout-000125>

Secure Customer Logout to close session and ensure data integrity.
Implementation: Mandatory

3.2 Operations, Administration, Maintenance and Provisioning (OAM&P)

In our website, Admin is responsible of maintaining database. Admin is able to back up the data, adjusting the products, provide necessary updates to the website for smooth tasking ability, sorting customer's data, sorting artist's data, maintaining the websites framework and ensuring the availability of website. Whereas artists and customers can maintain their personal details and are able to update it timely. These updates will be provisioned by the Admin under Manage artists and Manage customers tab.

3.3 Security and Fraud Prevention

To ensure the security of the website we will be using secure passwords, hosting our website on a secure service, implementing SSL certificate, installing security plugins and by regularly performing security checks on the website.

3.4 Release and Transition Plan

The project will be deployed in Microsoft Visual Studio 2017. Microsoft SQL Server 2017 is used for database. Database is given connection with Visual Studio and the coding is built first. Once the built is successful, program will run in google chrome.

There will be two webpages one for customer and the other for admin and artist. Customer page is under "Default.aspx" and Admin/Artist Page is under "Login.aspx". This is done to ensure the data security of admin, artist and customer and ease flow of website.

4 Project Design Description

4.1 Database Design

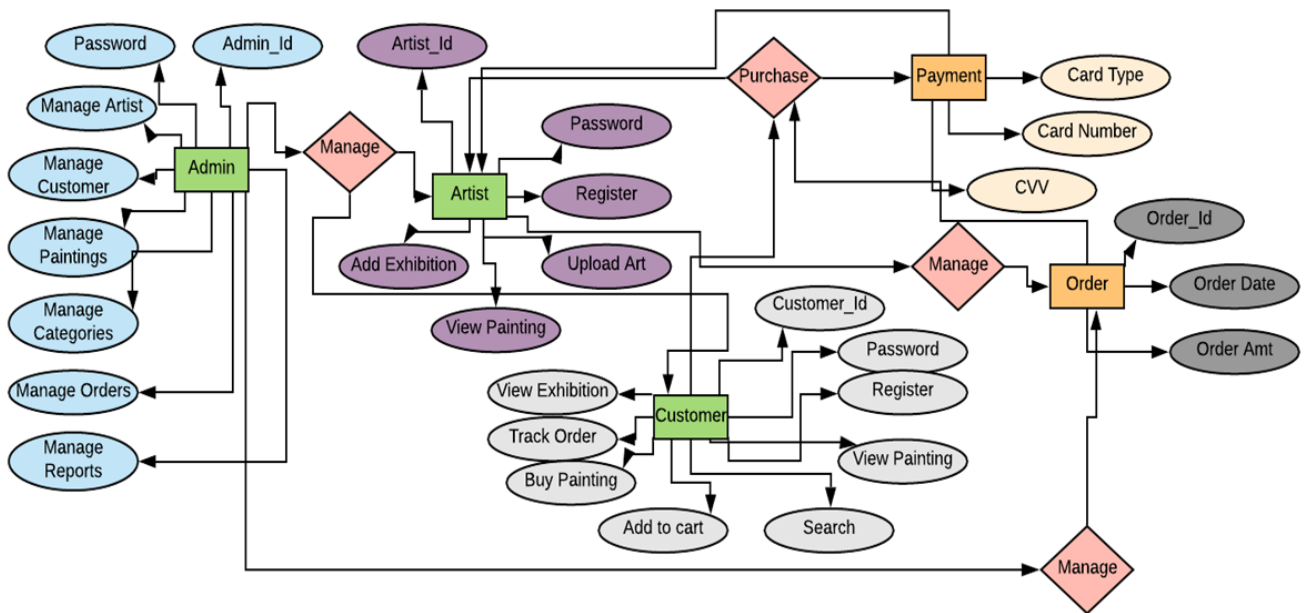


Figure 6 Entity Relationship Diagram

- The ER diagram has all the modules i.e., Admin, where they can have full access to every module in the webpage.
- Admin will be able to manage artists, customers, paintings, categories, orders, reports, and admin id and password.
- Artist can sign up with unique ID and password to create an account. They can upload art; add exhibition; view paintings; manage orders if they are pending for customers.
- Customer needs to create an account to purchase any paintings from the artist collection. They can also search for painting by artist name for easily access to that painting. Customer can view exhibition arts for new or old collections of paintings. If buyer wants to add the art, they can place that art and put in the shopping cart and provide bank account details for processing payment. Once the payment is approved, a unique number is generated to track that shipment.

4.2 User Interface Design

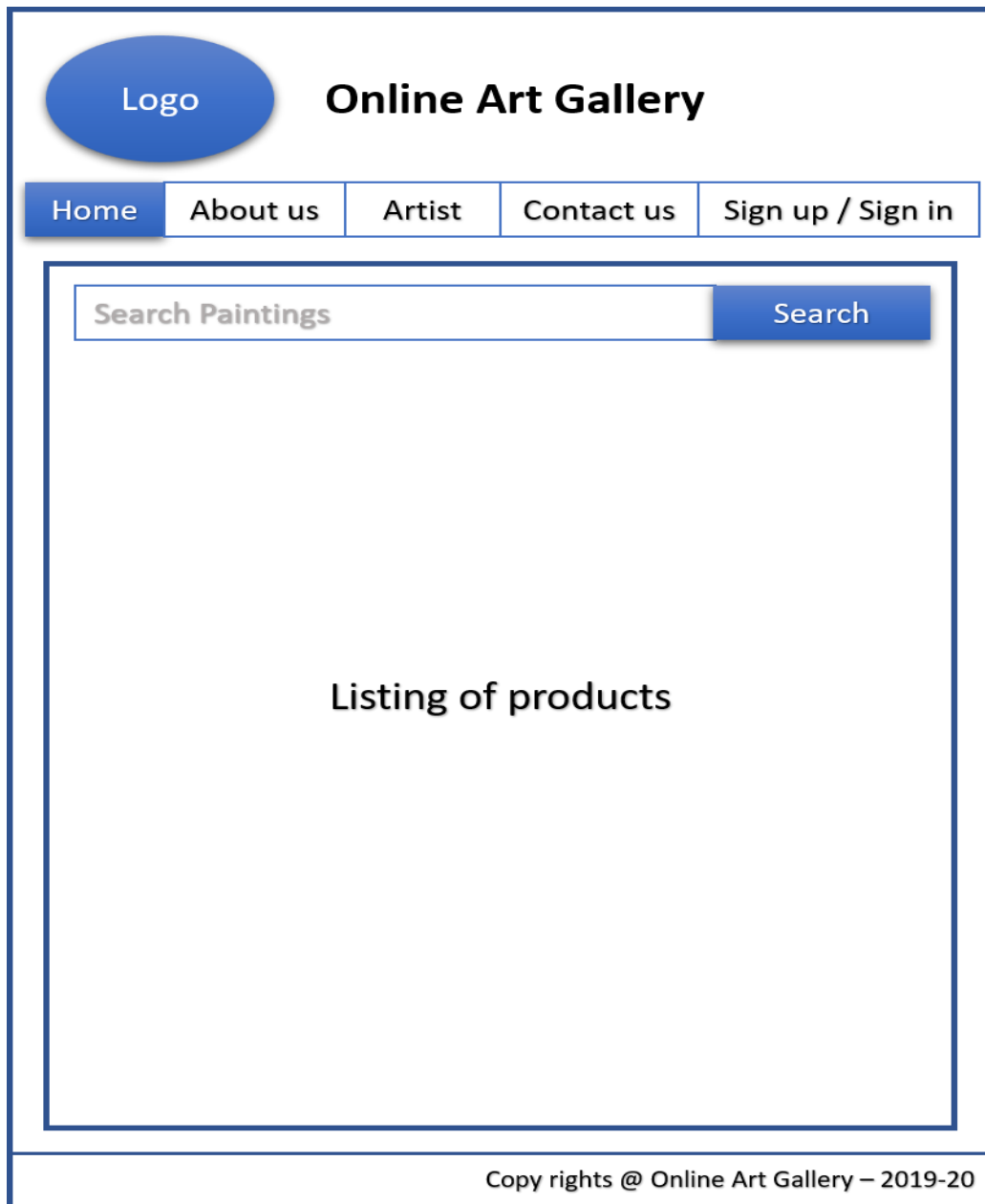


Figure 7 Website Home Page

This is the website home page contents of online art gallery.

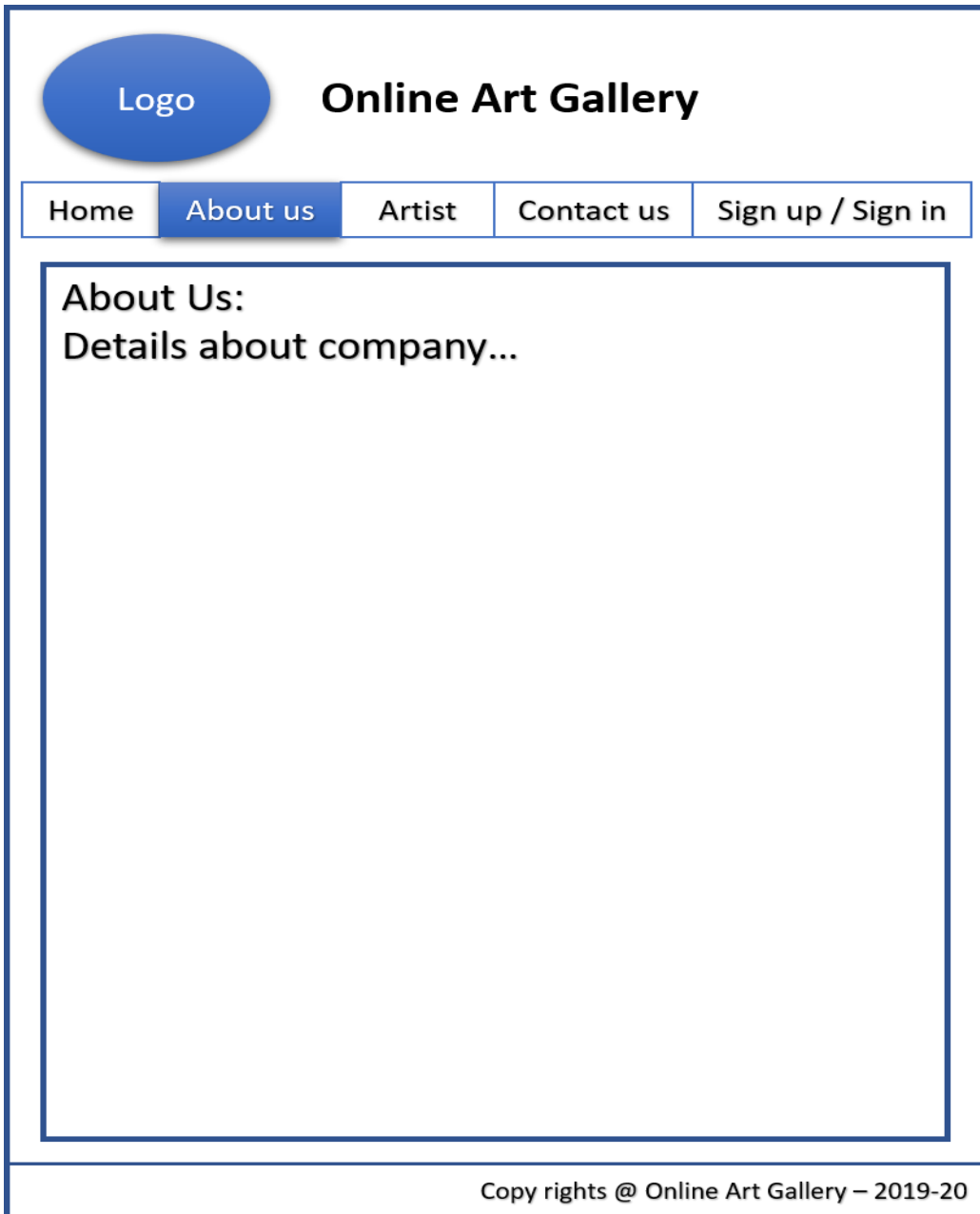


Figure 8 Website About Us Page

Customer and artist can find details about the company in this home page by clicking about us.

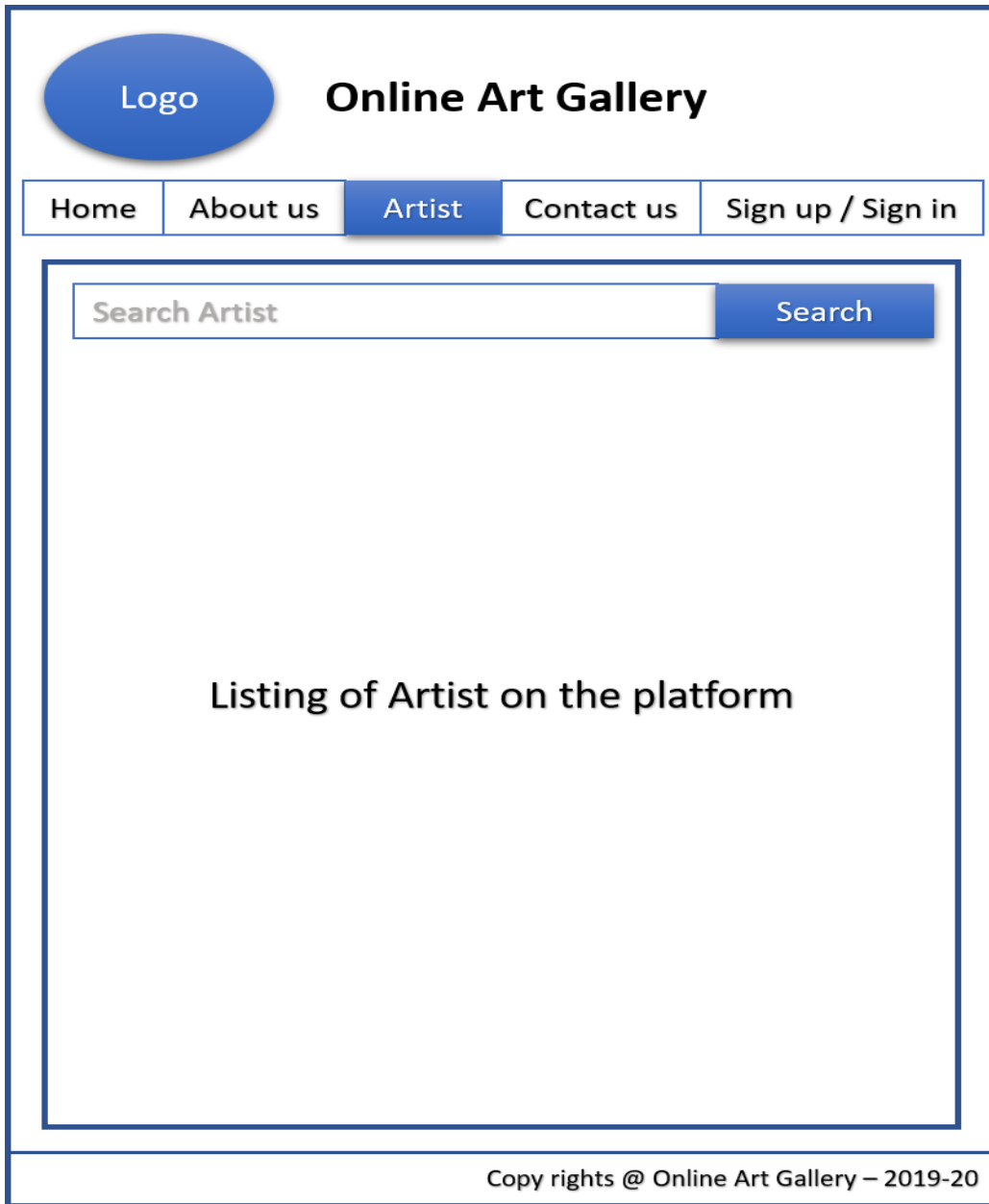



Figure 9 Website Artist Page

Customer can able to fetch for artists which is listed in this platform, where users can able to pull up paintings by searching artist name, color, size of the painting and price. All the registered artist can be seen in this entity.



Figure 10 Website Contact Us Page

It displays contact information of the company for customers and artists. If customers' needs assistance for ordering or delay in shipment of the art paintings, they can contact us during the work hours. Customers can also provide feedback over the phone or by login in.



Online Art Gallery

HomeAbout usArtistContact usSign up / Sign in

Customer Sign up

First Name	<input style="width: 90%;" type="text" value="Type first name"/>
Last Name	<input style="width: 90%;" type="text" value="Type last name"/>
Mobile Number	<input style="width: 90%;" type="text" value="Type mobile number"/>
Email Address	<input style="width: 90%;" type="text" value="Type email address"/>
Password	<input style="width: 90%;" type="password" value="Type password"/>
Re-type Password	<input style="width: 90%;" type="password" value="Confirm password"/>

Sign up now

Copy rights @ Online Art Gallery – 2019-20

Figure 11 Customer Registration Page

Sign up/ Sign in page for customers where they can able to create an account by providing their First Name, Last name, Mobile number, Email address, password and Retype password. customers' needs to input their details and with valid email address. If the customer forgets the password, then recovery password link will be sent to that email address.

The image shows a web page for an Online Art Gallery. At the top left is a blue oval logo with the word "Logo" inside. To its right is the title "Online Art Gallery" in a bold, black font. Below the logo and title is a horizontal navigation menu with five items: "Home", "About us", "Artist", "Contact us", and "Sign up / Sign in". The "Sign up / Sign in" item is highlighted with a blue background. The main content area is titled "Customer Sign in" and contains two input fields: "Email Address" with the placeholder text "Type email address" and "Password" with the placeholder text "Type Password". Below these fields is a blue button labeled "Sign in". At the bottom of the page, there is a footer with the text "Copy rights @ Online Art Gallery – 2019-20".

Figure 12 Customer Log in Page

After successfully creating an account, customer can able to sign in by providing valid credentials email address and password for sign in and access the webpage.

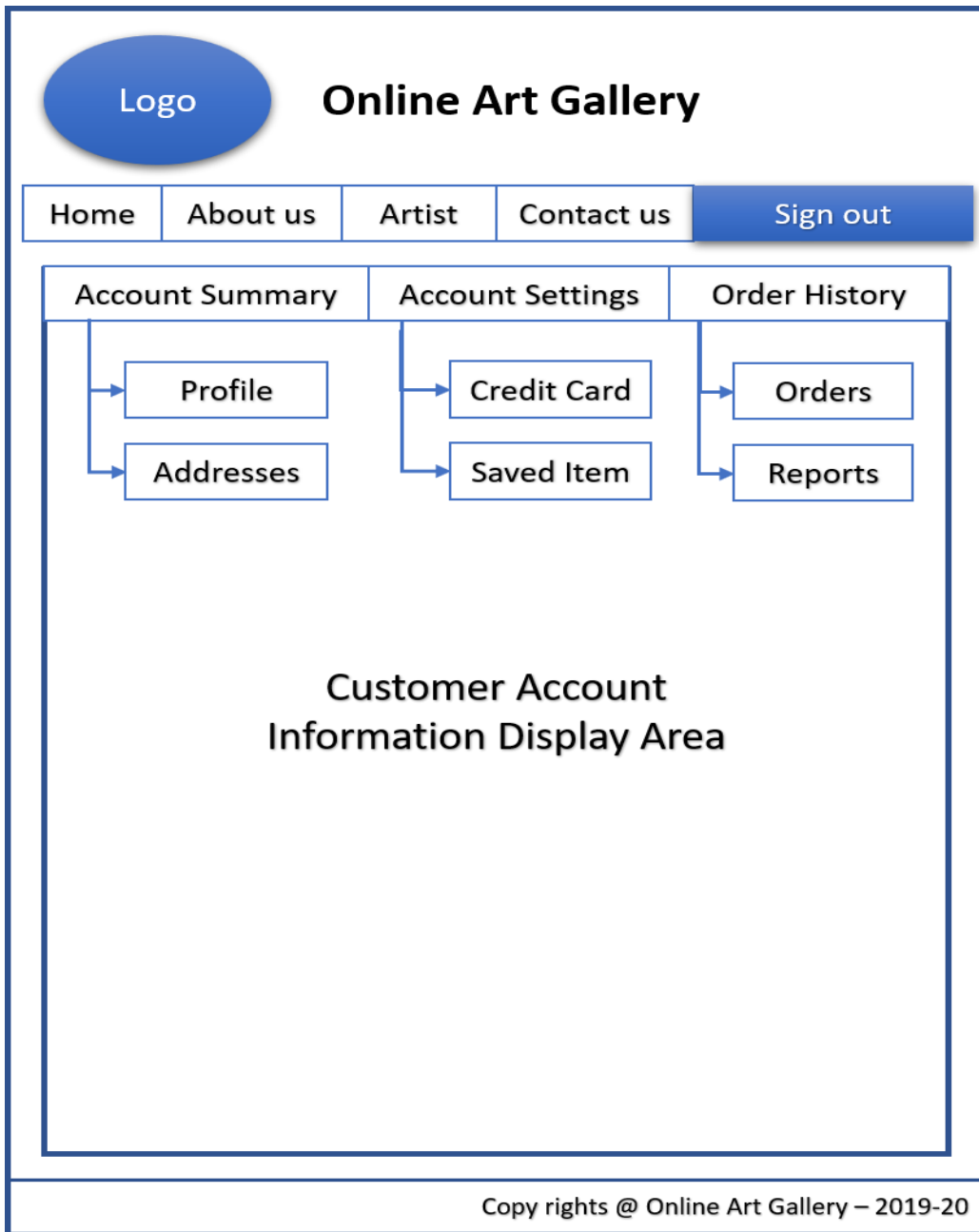


Figure 13 Customer Profile Page

In customer account page, they can update their profile, change address, phone number.

In account settings, customer can able to update their credit card details for future purchase and can check saved item.

Order history provides them quick summary of the orders which was purchased in the past and which are pending for delivery. Customers can also view reports of the payments and the products they had in the past.

Logo **Online Art Gallery**

[Home](#) [About us](#) [Artist](#) [Contact us](#) [Sign up / Sign in](#)

Artist Sign up

First Name

Last Name

Mobile Number

Email Address

Password

Re-type Password

[Sign up now](#)

Copy rights @ Online Art Gallery – 2019-20

Figure 14 Artist Registration Page

Sign up/ Sign in page for artist where they can able to create an account by providing their First Name, Last name, Mobile number, Email address, password and Retype password. An artist needs to provide valid credentials and with valid email address. If the artist forgets the password, then can have a recovery password link which will be sent to that email address provided while creating an account.

The image shows a web page layout for an "Online Art Gallery". At the top left is a blue oval logo with the word "Logo" inside. To its right is the title "Online Art Gallery" in a bold, black font. Below the logo and title is a horizontal navigation menu with five items: "Home", "About us", "Artist", "Contact us", and "Sign up / Sign in". The "Sign up / Sign in" item is highlighted with a blue background. The main content area is enclosed in a blue border and titled "Artist Sign in". It contains two input fields: "Email Address" with the placeholder text "Type email address" and "Password" with the placeholder text "Type Password". Below these fields is a blue button labeled "Sign in". At the bottom of the page, within the same blue border, is the text "Copy rights @ Online Art Gallery – 2019-20".

Figure 15 Artist Log in Page

After creating an account, artist can sign in by render valid credentials in sign in page with an email address and respective password to gain access and upload arts on the website for customers.

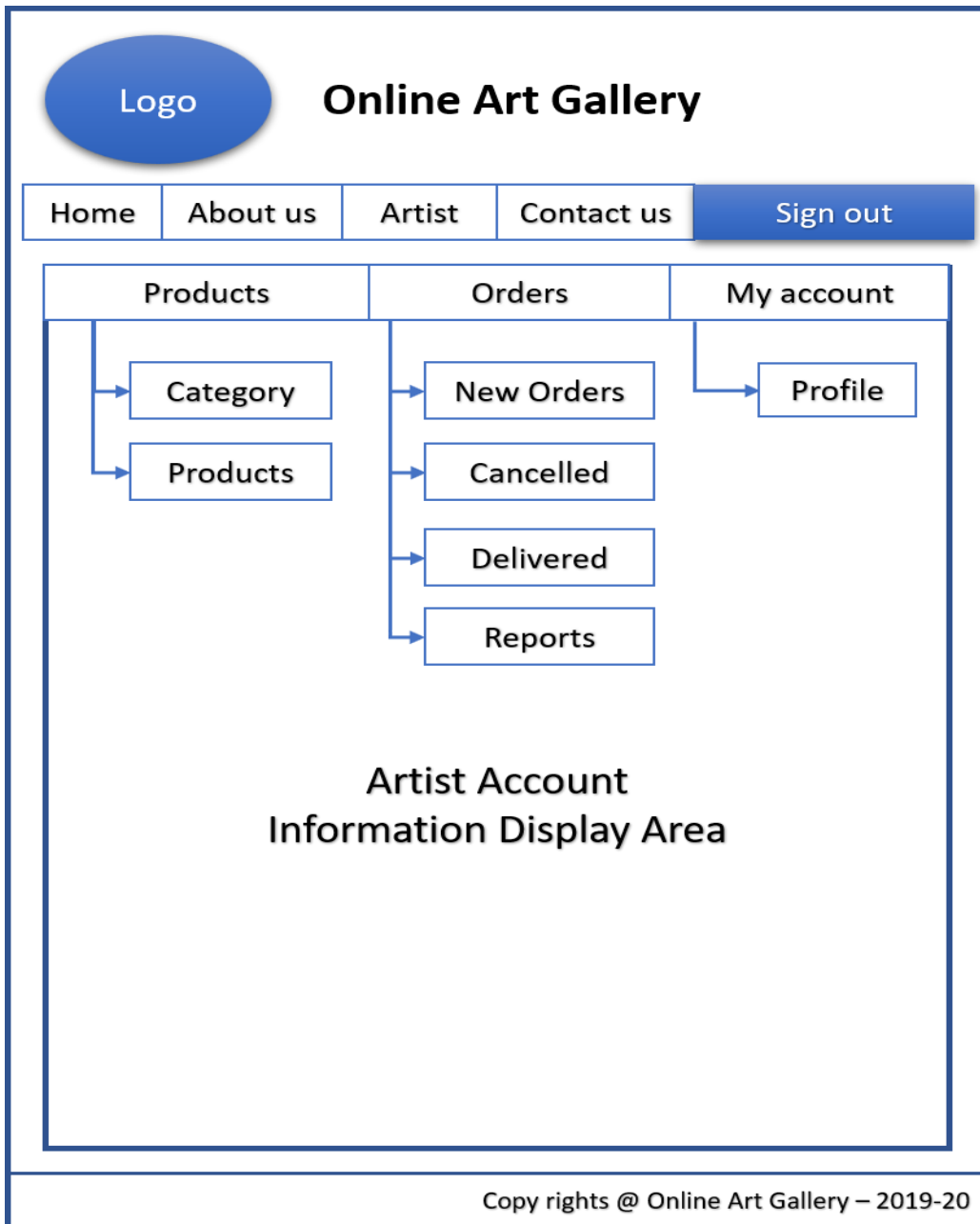


Figure 16 Artist Profile Page

Artists can able to manage his account, they can upload their art works and other paintings in products where they need to define their category of that paintings. They also can create sub categories for that painting for advance search for the customer.

Artist can approve or reject orders placed by customers. The paintings which are delivered or cancelled can be seen by artist. All the information can be seen in the reports where it shows how many paintings are available in the stock and how many needs to order depending upon request by customers.

5 Internal/external Interface Impacts and Specification

5.1 External User Interface

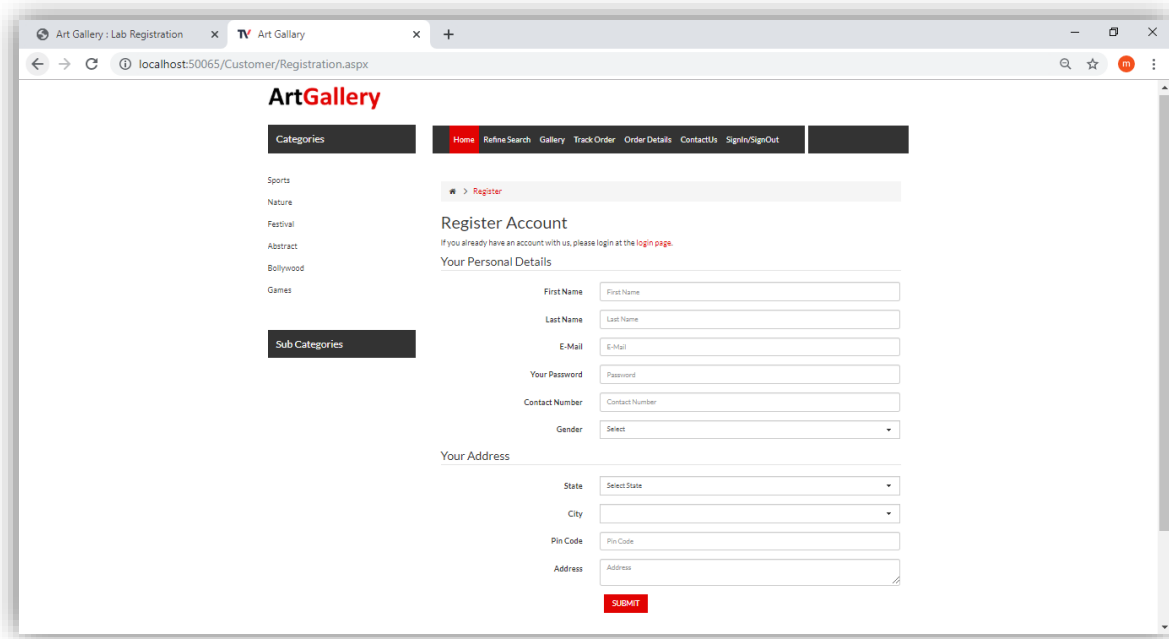


Figure 17 Customer Registration Page

The above figure shows registration page for customer. This is the external interface of our website. In order to buy a respective artwork, customer needs to register through the website by filling out all his personal details which includes First Name, Last name, E-mail, Contact number, Gender, State, City, Zip Code and Address. However, these details can be altered by the user in his account under manage profile tab. Customer's details can be viewed by the Admin in his dashboard under Manage Customer tab.

5.2 Internal Interface

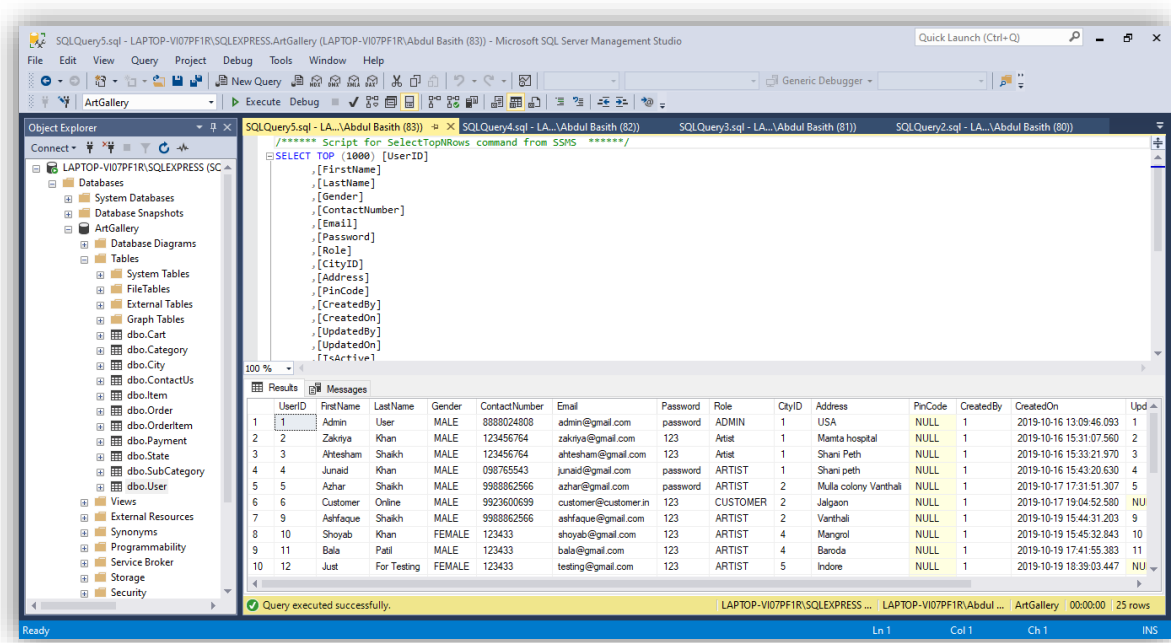


Figure 18 User Table

The above figure shows the database table for all the registered users. This is the internal interface of our website. Username and Password along with all the details can be retrieved through this table for authentication. Any updates made in the website impacts the database. If in future more fields added to the webpage results in increment of columns of this user table.

6 Project Design Units Impacts

6.1 Functional Area A

6.1.1 System Design Module Component diagram

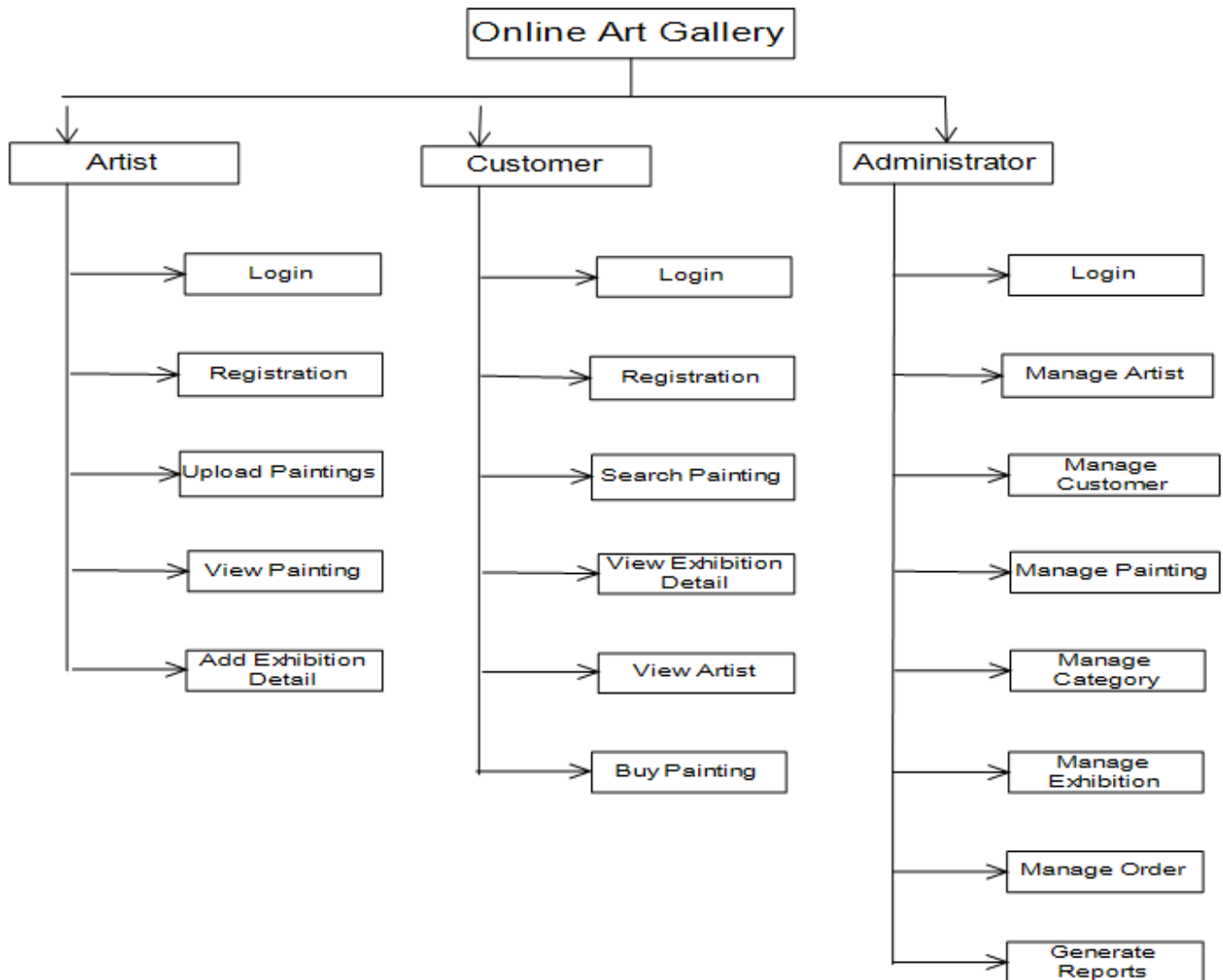


Figure 19 System Design Module Component diagram

We have three modules for this online art gallery web page Administrator, Artist and Customer. Admin can login and manage artist, customer, painting, category, exhibition, view orders and generate reports. Artists are able to register, login, upload new or old paintings, view painting and add exhibition details. Customer module is technically the webpage. Customers can register, login, search painting, view exhibition detail, view artist and buy painting.

6.1.2 Impacts

Change in the website will impact all the three modules i.e., Artist, Admin and Customer. Database and webpage will be affected accordingly.

6.1.3 Requirements

- <GSU-GS_FA2019-1 Admin Login-000100>
- <GSU-GS_FA2019-1 Manage Artist-000101>
- <GSU-GS_FA2019-1 Manage Gallery -000102>
- <GSU-GS_FA2019-1 Manage Painting Categories-000103>
- <GSU-GS_FA2019-1 Manage Orders-000104>
- <GSU-GS_FA2019-1 Tracking Payments-000105>
- <GSU-GS_FA2019-1 Reports-000106>
- <GSU-GS_FA2019-1 View Feedback-000107>
- <GSU-GS_FA2019-1 Admin Logout-000108>
- <GSU-GS_FA2019-1 Artist Registration-000109>
- <GSU-GS_FA2019-1 Artist Login-000110>
- <GSU-GS_FA2019-1 Manage Paintings-000111>
- <GSU-GS_FA2019-1 Manage Artist Orders-000112>
- <GSU-GS_FA2019-1 Manage Customers-000113>
- <GSU-GS_FA2019-1 Artist Profile-000114>
- <GSU-GS_FA2019-1 Artist Logout-000115>
- <GSU-GS_FA2019-1 Home page-000116>
- <GSU-GS_FA2019-1 Search-000117>
- <GSU-GS_FA2019-1 Sort-000118>
- <GSU-GS_FA2019-1 Customer Registration-000119>
- <GSU-GS_FA2019-1 Customer Login-000120>
- <GSU-GS_FA2019-1 Buy Painting-000121>
- <GSU-GS_FA2019-1 Customer feedback-000122>
- <GSU-GS_FA2019-1 Customer Orders-000123>
- <GSU-GS_FA2019-1 Customer Profile-000124>
- <GSU-GS_FA2019-1 Customer Logout-000125>

6.2 Functional Area B

6.2.1 System Design Artist Component Diagram

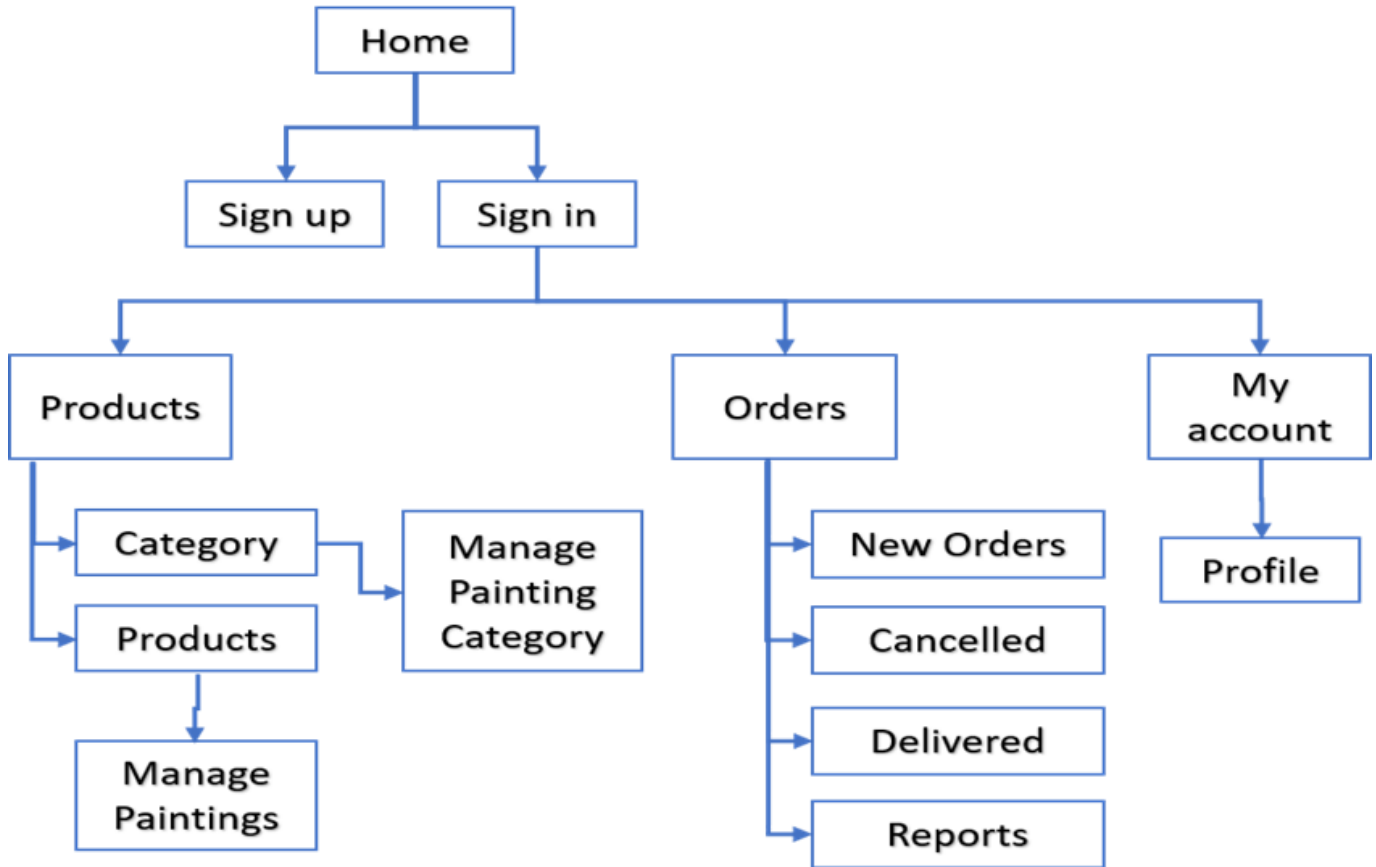


Figure 20 System Design Artist Component Diagram

Above figure shows component diagram for Artist module. Artist can register and login to the website. He can add paintings according to the categories and subcategories and set prices. He can view orders and can monitor it. Artist can update his profile and change his password.

6.2.2 Impacts

Artist can add, edit and delete paintings he wants to exhibit. Website and Database will be updated accordingly.

6.2.3 Requirements

- <GSU-GS_FA2019-1 Artist Registration-000109>
- <GSU-GS_FA2019-1 Artist Login-000110>
- <GSU-GS_FA2019-1 Manage Paintings-000111>
- <GSU-GS_FA2019-1 Manage Artist Orders-000112>
- <GSU-GS_FA2019-1 Manage Customers-000113>
- <GSU-GS_FA2019-1 Artist Profile-000114>
- <GSU-GS_FA2019-1 Artist Logout-000115>

6.3 Functional Area C

6.3.1 System Design Webpage Component Diagram

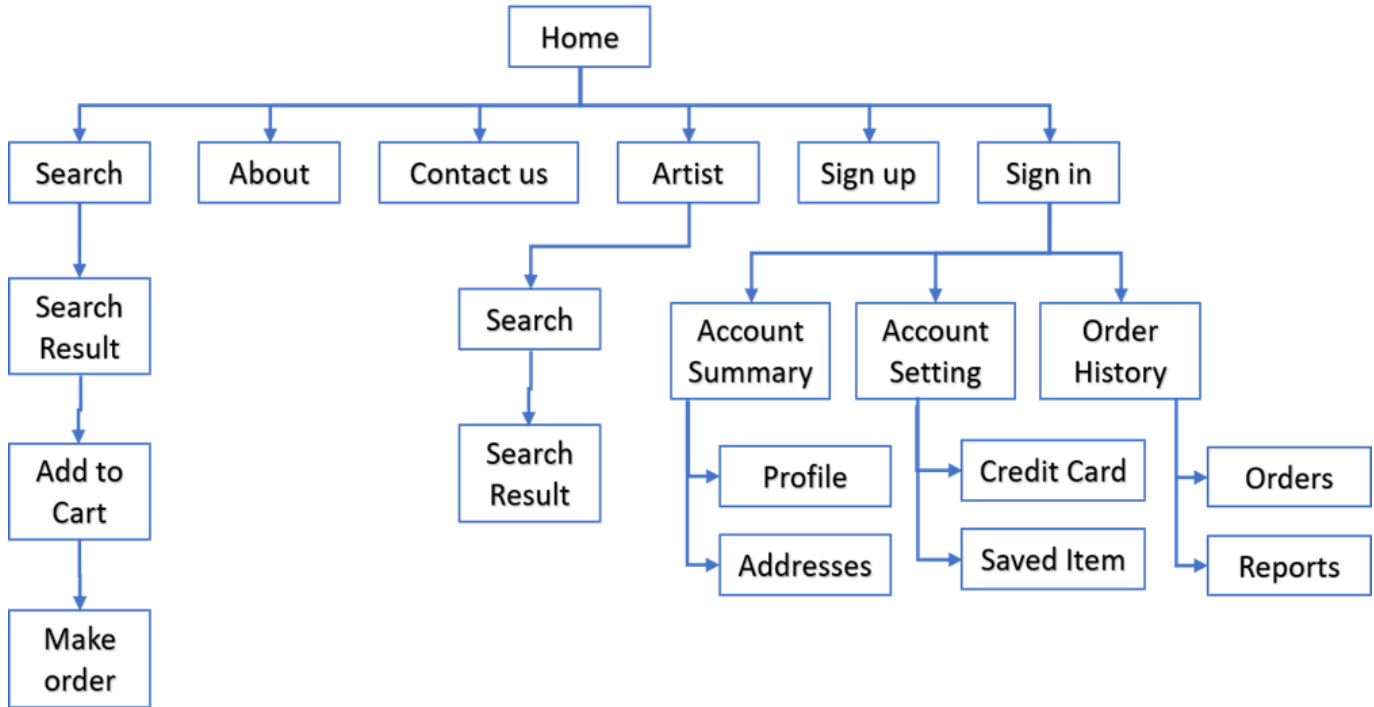


Figure 21 System Design Webpage Component Diagram

- System design web page component is the main frame of website where any buyer, seller or admin can implement changes. In this web page, we have search bar where you can search for paintings either by the name of the artist, price or color.
- About is company details where you can view when it was formed what our vision and mission from this website.
- Contact us bar is for customer feedback, if the customer wants to provide feedback for the order they purchase or product they received is correct or incorrect, they can input their positive and negative feedback.
- Artist bar is listed for all the artists in this website where you can view those paintings by clicking the name of that artist.
- Signup and Sign In is mandatory to buy and sell the art, which includes admin, artist and customer.

6.3.2 Impacts

All the paintings can be viewed in the web page. Customer can add a painting to cart and proceed to payment. Once the payment is successful, a tracking number will be generated so that order will be monitored. There will be impacts on database and webpage accordingly.

6.3.3 Requirements

- <GSU-GS_FA2019-1 Home page-000116>
- <GSU-GS_FA2019-1 Search-000117>
- <GSU-GS_FA2019-1 Sort-000118>
- <GSU-GS_FA2019-1 Customer Registration-000119>
- <GSU-GS_FA2019-1 Customer Login-000120>
- <GSU-GS_FA2019-1 Buy Painting-000121>
- <GSU-GS_FA2019-1 Customer feedback-000122>
- <GSU-GS_FA2019-1 Customer Orders-000123>
- <GSU-GS_FA2019-1 Customer Profile-000124>
- <GSU-GS_FA2019-1 Customer Logout-000125>

7 Open Issues

There are no open issues.

8 Acknowledgements

We would like to take this opportunity and thank Professor Alex Liu for his guidance over the project. He helped us to gather all the necessary requirements and guided us towards the completion of the project. He was very flexible and friendly during the entire project which made us motivated all the time. We would also like to thank Governors State university for providing all the necessary needs and infrastructure throughout this semester.

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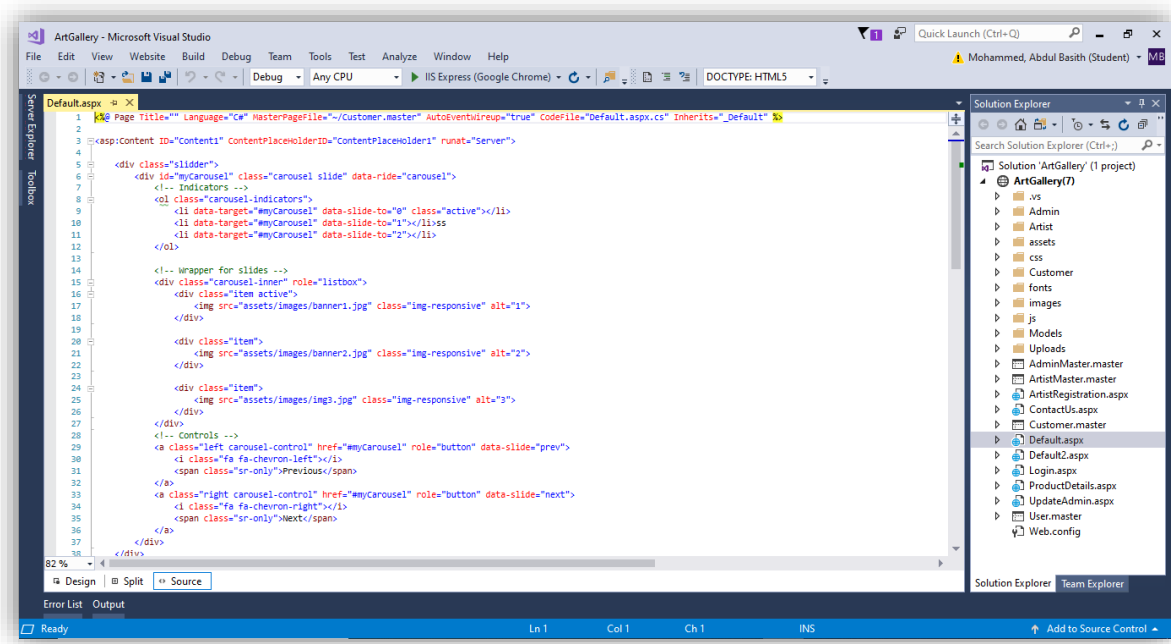


Figure 22 Webpage ASP.Net code

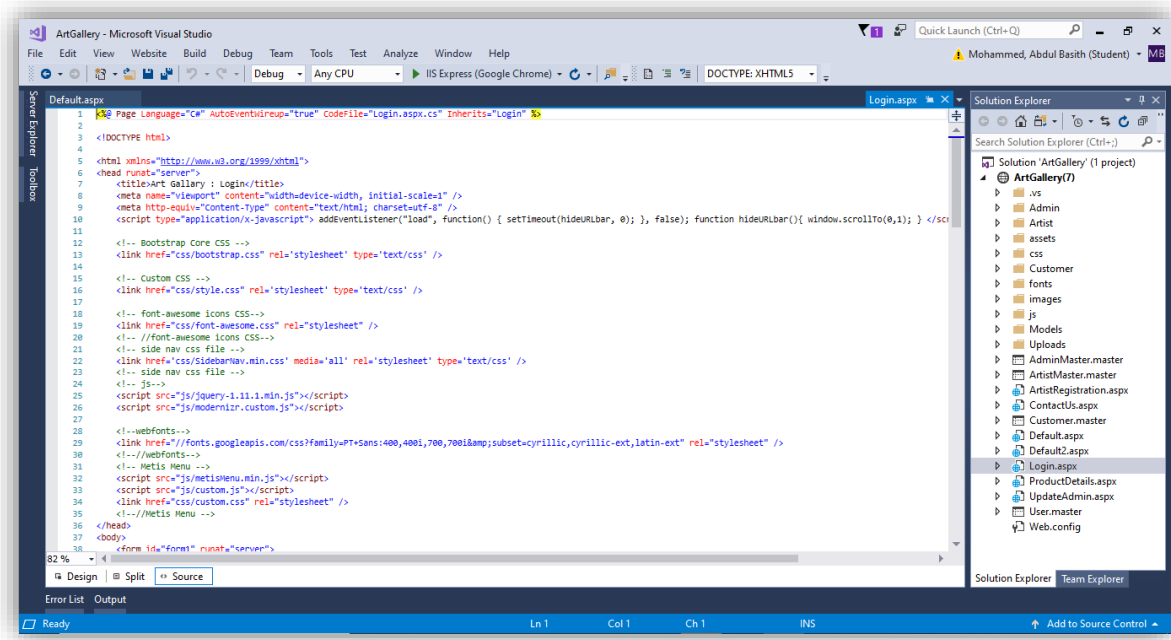


Figure 23 Artist and Admin Login Page ASP.Net Code

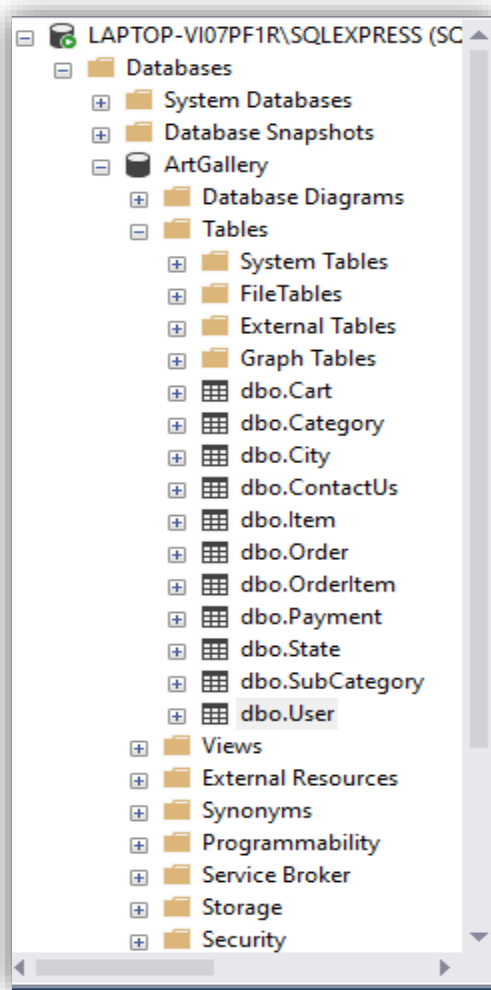
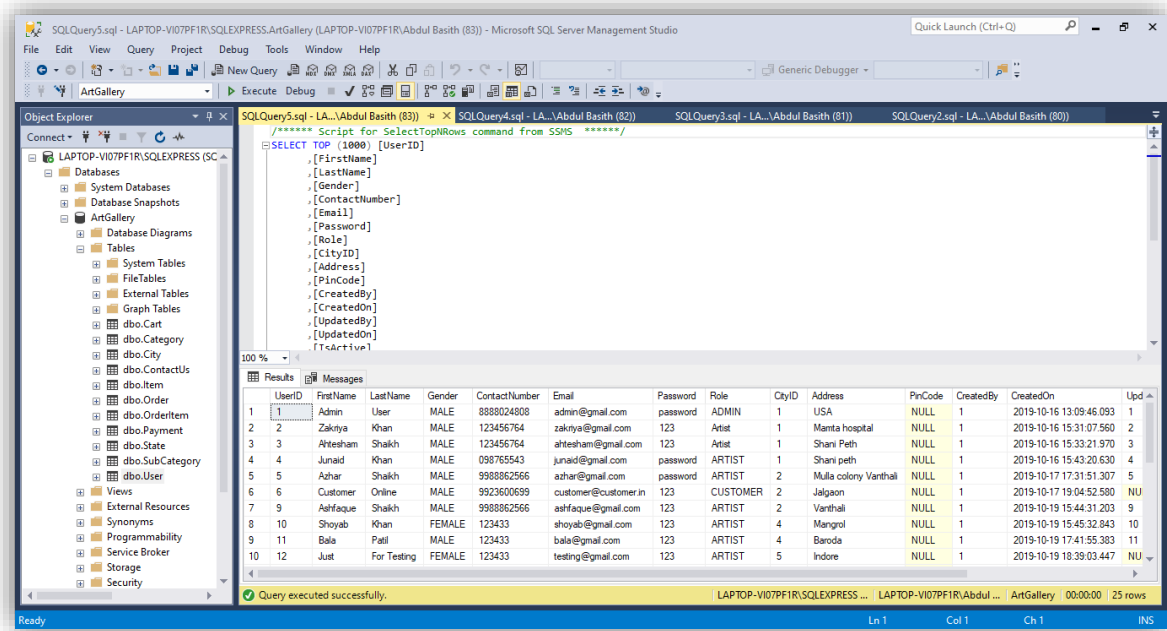


Figure 24 List of Database Tables

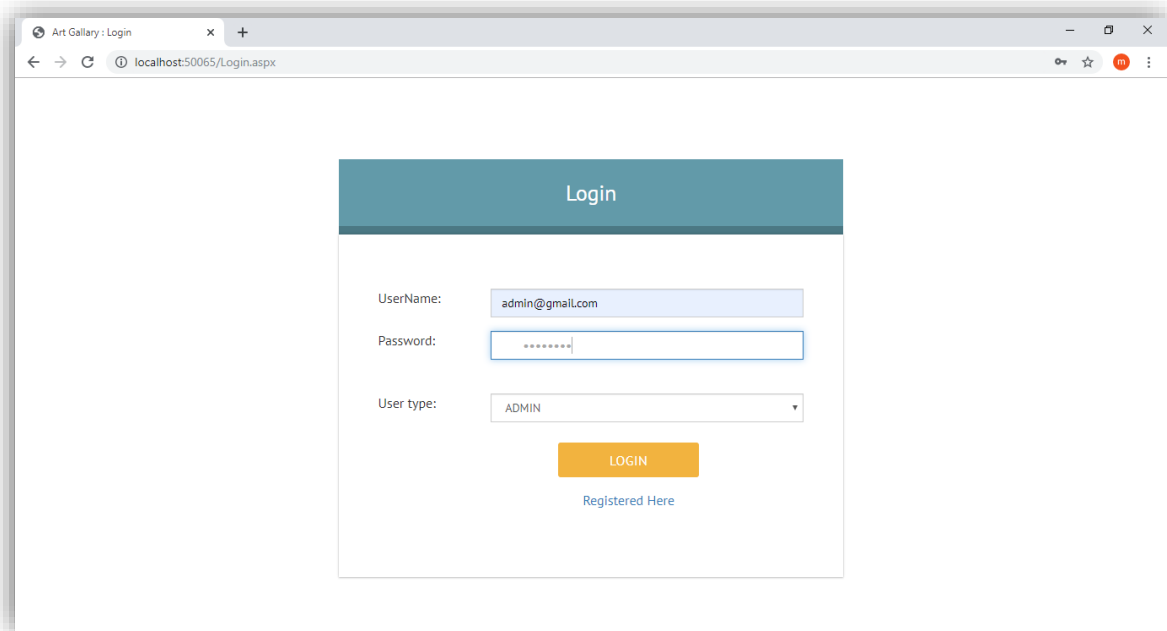


Figure 25 Admin Login Page

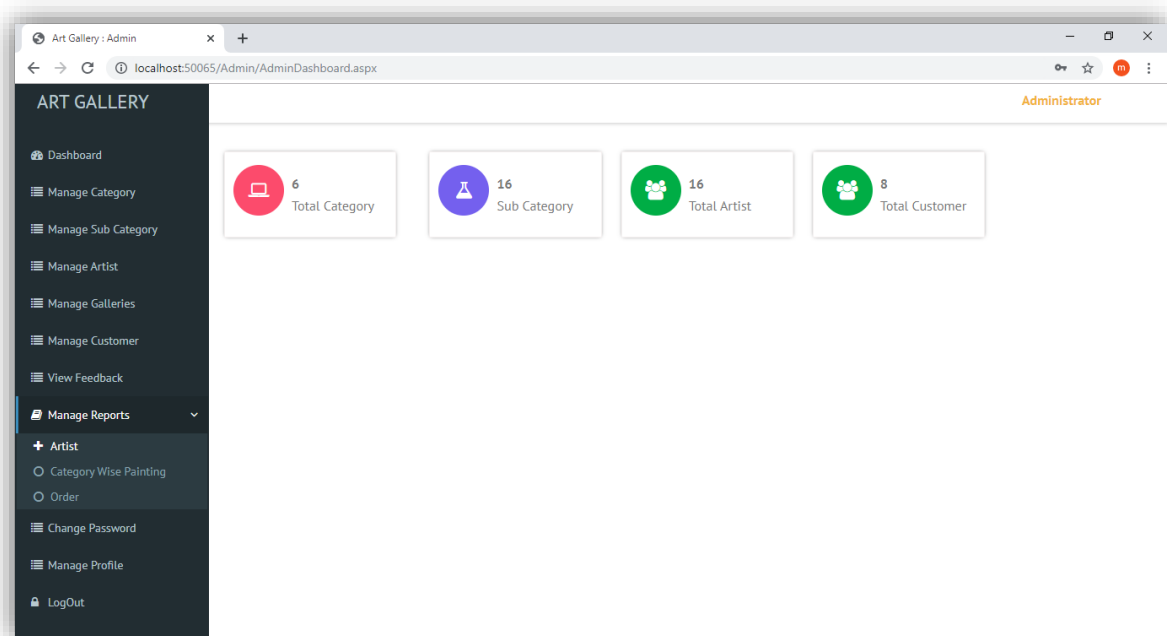


Figure 26 Admin Dashboard Page

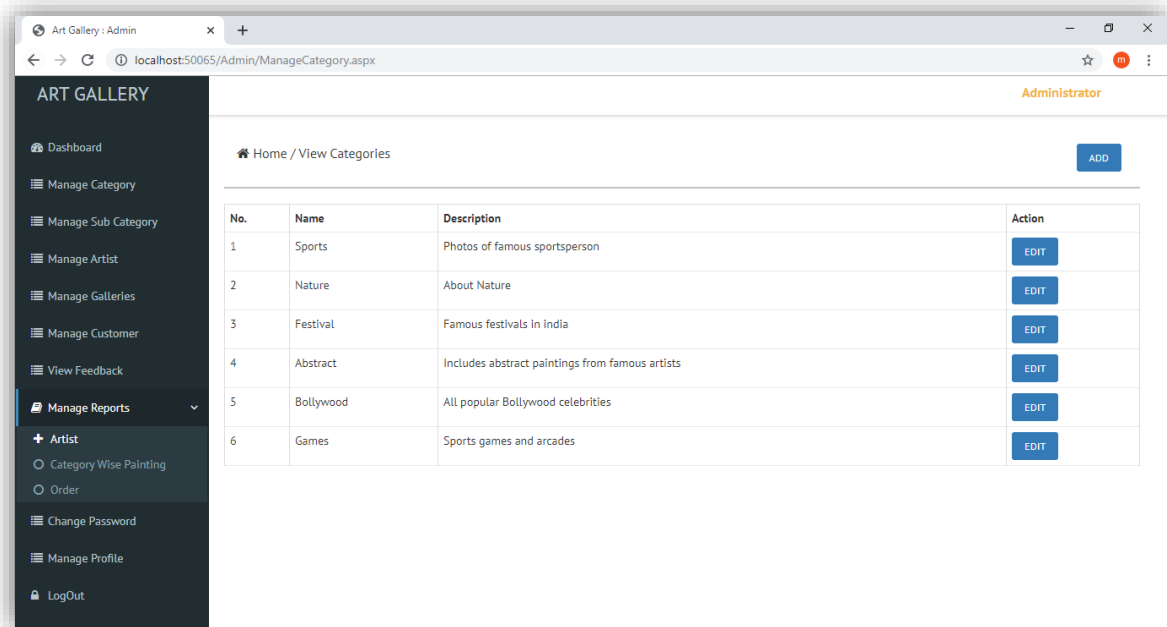


Figure 27 Admin-Manage Category Page

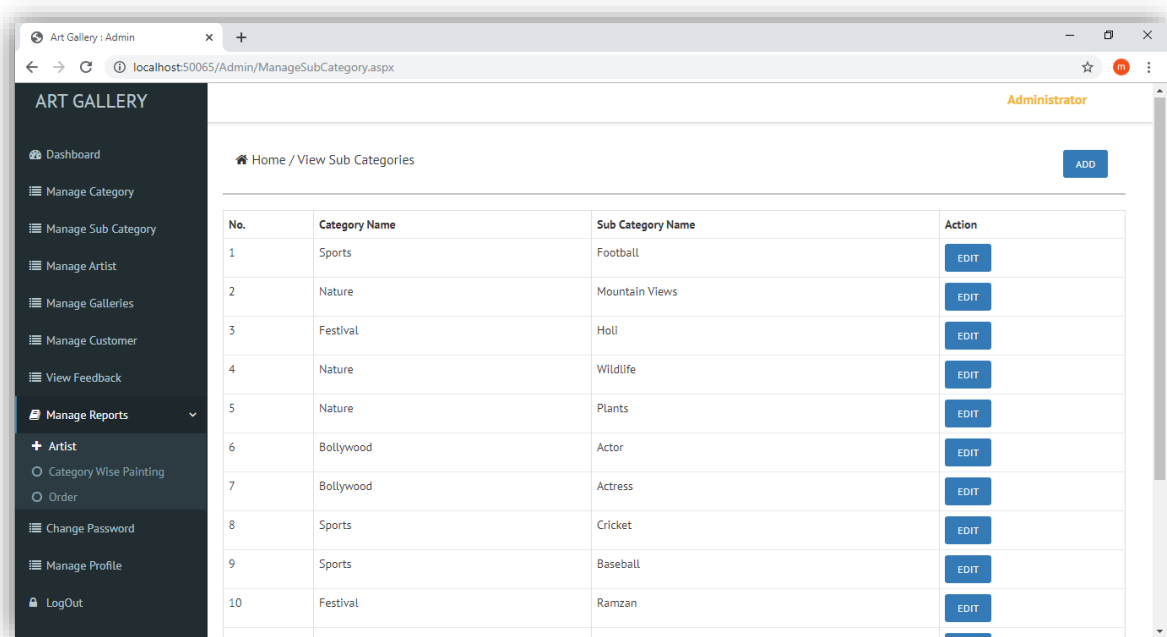


Figure 28 Admin-Manage Sub Category Page

Art Gallery : Admin

localhost:50065/Admin/ManageArtist.aspx

Administrator

No.	Name	Gender	Phone	Email	Address	City	Status	Approve	Reject
3	Junaid Khan	MALE	098765543	Junaid@gmail.com	password Shani peth	Jalgaon	True	APPROVE	REJECT
4	Azhar Shaikh	MALE	9988862566	azhar@gmail.com	password Mulla colony Vanthali	Junagad	False	APPROVE	REJECT
5	Ashfaque Shaikh	MALE	9988862566	ashfaque@gmail.com	123 Vanthali	Junagad	False	APPROVE	REJECT
6	Shoyab Khan	FEMALE	123433	shoyab@gmail.com	123 Mangrol	Baroda	False	APPROVE	REJECT
7	Bala Patil	MALE	123433	bala@gmail.com	123 Baroda	Baroda	False	APPROVE	REJECT
8	Just For Testing	FEMALE	123433	testing@gmail.com	125 Indore	Indor	False	APPROVE	REJECT
9	Rizwan Shaikh	MALE	8888024808	rizwan@gmail.com	password Every Where	Indor	False	APPROVE	REJECT
10	alex Iiu	MALE	7788994455	alex@gmail.com	123 123456	Junagad	False	APPROVE	REJECT
11	Bala S	MALE	7788994455	sbala@gmail.com	123456 123 main street	Junagad	False	APPROVE	REJECT
12	prashanth kv	MALE	9876543210	kvprashanth@gmail.com	123456 5454 west hilton	Mumbai	True	APPROVE	REJECT
13	hameed syed	MALE	9876543210	syedhameed@gmail.com	123456 5454 west hilton	Mumbai	True	APPROVE	REJECT
14	talib mohammed	MALE	9876543210	mohammedtalib@gmail.com	123456 5454 west hilton	Jalgaon	True	APPROVE	REJECT
15	jameel mohammed	MALE	9876543210	mohammedjameel@gmail.com	123456 5454 west hilton	Mumbai	True	APPROVE	REJECT
16	basith abdul	MALE	9876543210	abdulbasith@gmail.com	123456 5454 west hilton	Mumbai	True	APPROVE	REJECT

Figure 29 Admin-Manage Artist Page

Art Gallery : Admin

localhost:50065/Admin/ManageGalleries.aspx

Administrator

Home / View Gallery

basith abdul







No.	Title	Price	Size	Quantity	Description	Category Name	Sub Category Name	Status	Photo	Action
1	hard edge	299.00	230x80	1	Seen as a subdivision of post-painterly abstraction this style of hard-edged geometric abstraction reacted to the more gestural forms of abstract expressionism by only using monochromatic fields of clean-edged colour which reinforced the flatness of the picture surface.	Arts	Abstract	True		APPROVE REJECT
2	kandisky	499.00	230x80	1	Expressionist artworks involved highly intense colour and non-naturalistic brushwork, often based on the artist's inner feelings. Kandinsky saw his abstract paintings as an alternative pathway to spiritual reality.	Arts	Abstract	True		APPROVE REJECT
3	Cristiano Ronaldo	999.00	230x80	1	C. Ronaldo is the best player in world. Played several leagues.	Football	Sports	True		APPROVE REJECT
4	Virat Kohli	799.00	230x80	1	Virat Kohli is all time leading run scorer in cricket. Famous around the world.	Cricket	Sports	True		APPROVE REJECT
5	Bryant	299.00	230x80	1	Bryant is one of the top athlete in USA.	Baseball	Sports	True		APPROVE REJECT
6	Ranch	699.00	230x80	1	Idyllic summer landscape in Rocky Mountain National Park, Colorado, with green mountain pastures and mountain range in the background.	Mountain Views	Nature	True		APPROVE REJECT

Figure 30 Admin-Manage Gallery Page

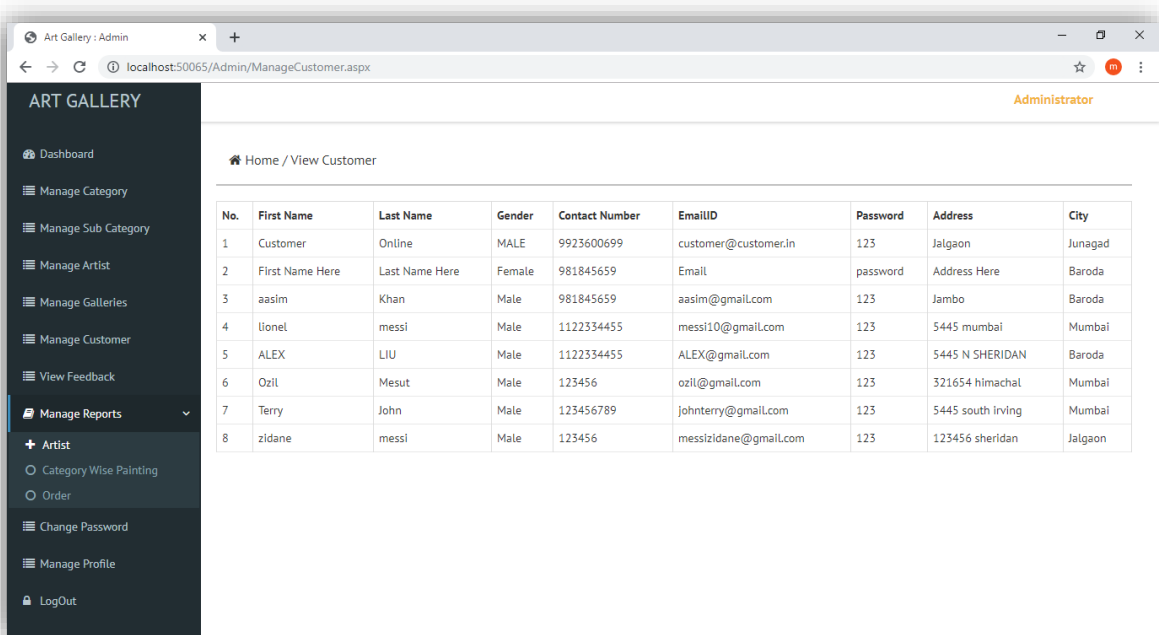


Figure 31 Admin-Manage Customer Page

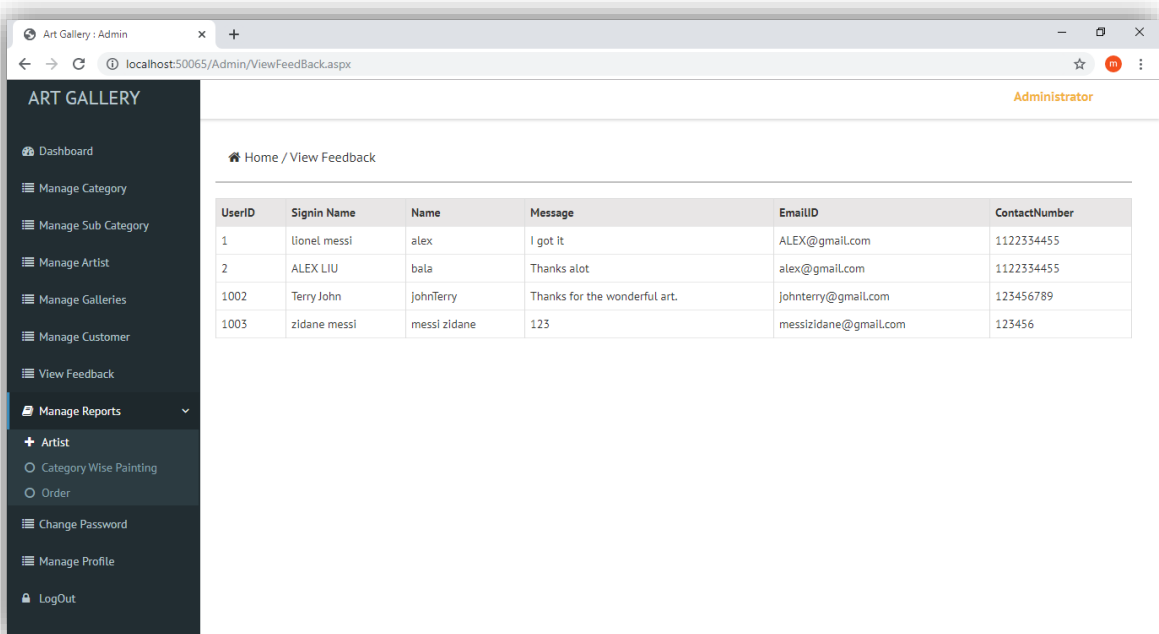


Figure 32 Admin-View Feedback

OrderID	Customer Name	OrderNo	Amount	Order Status	Photo
1	CustomerOnline	481546	1000.00	PENDING	VIEW ORDER ITEM
2	CustomerOnline	438067	1000.00	PENDING	VIEW ORDER ITEM
3	aasimKhan	723561	4000.00	REJECT	VIEW ORDER ITEM
4	lionelmessi	286890	4500.00	PENDING	VIEW ORDER ITEM
5	CustomerOnline	228848	500.00	PENDING	VIEW ORDER ITEM
6	ALEXLIU	988067	500.00	PENDING	VIEW ORDER ITEM
7	ALEXLIU	901500	500.00	PENDING	VIEW ORDER ITEM
1004	BalaS	144181	300.00	PENDING	VIEW ORDER ITEM
1005	lionelmessi	746954	300.00	PENDING	VIEW ORDER ITEM
1006	lionelmessi	135853	300.00	Approved	VIEW ORDER ITEM
2006	lionelmessi	669619	250.00	Approved	VIEW ORDER ITEM
2007	lionelmessi	620585	999.00	Approved	VIEW ORDER ITEM
2008	lionelmessi	187075	999.00	Approved	VIEW ORDER ITEM

Figure 33 Admin-Order Report

Home / Change Password

Current Password

New Password

Confirm Password

[SAVE](#) [CANCEL](#)

Figure 34 Admin-Password Change

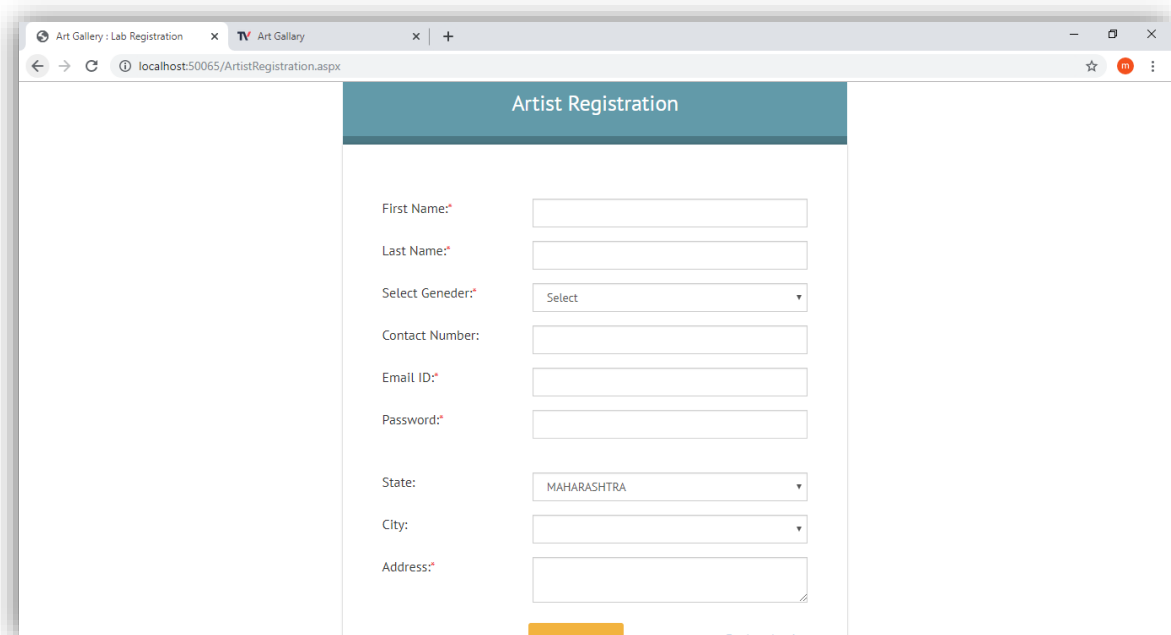


Figure 35 Artist Registration Page

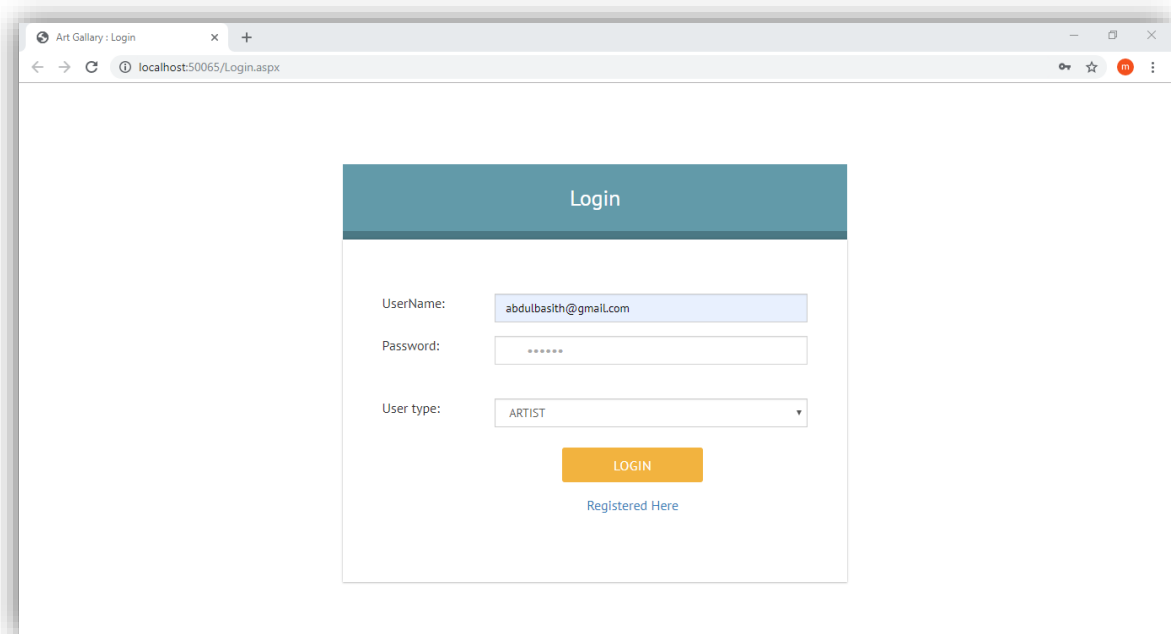


Figure 36 Artist Login Page

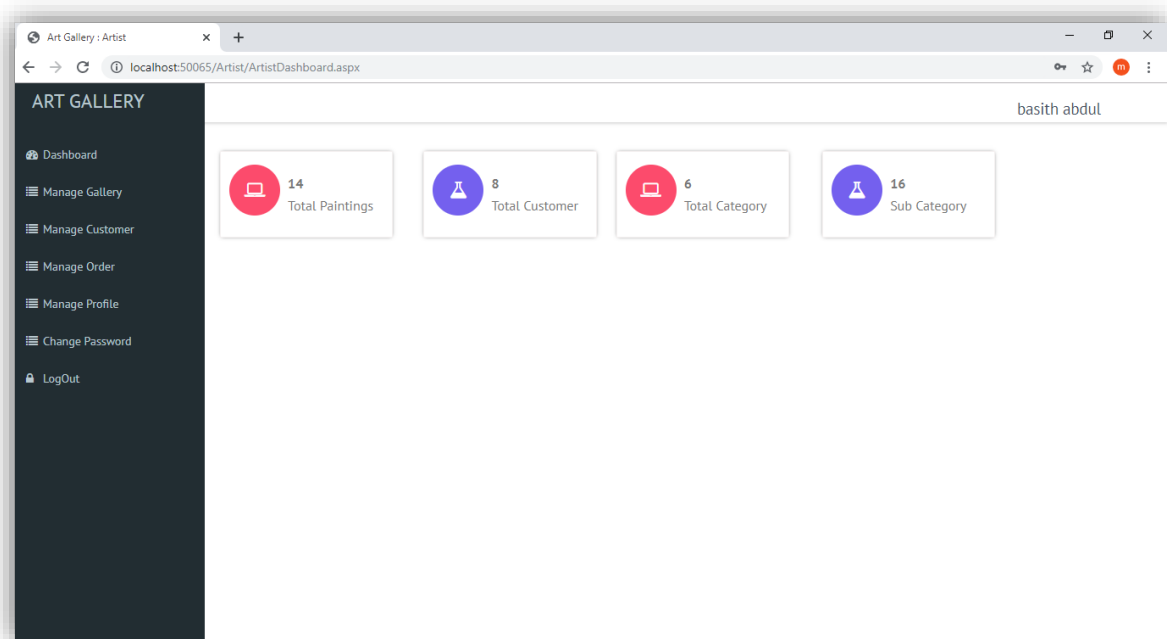


Figure 37 Artist Dashboard Page

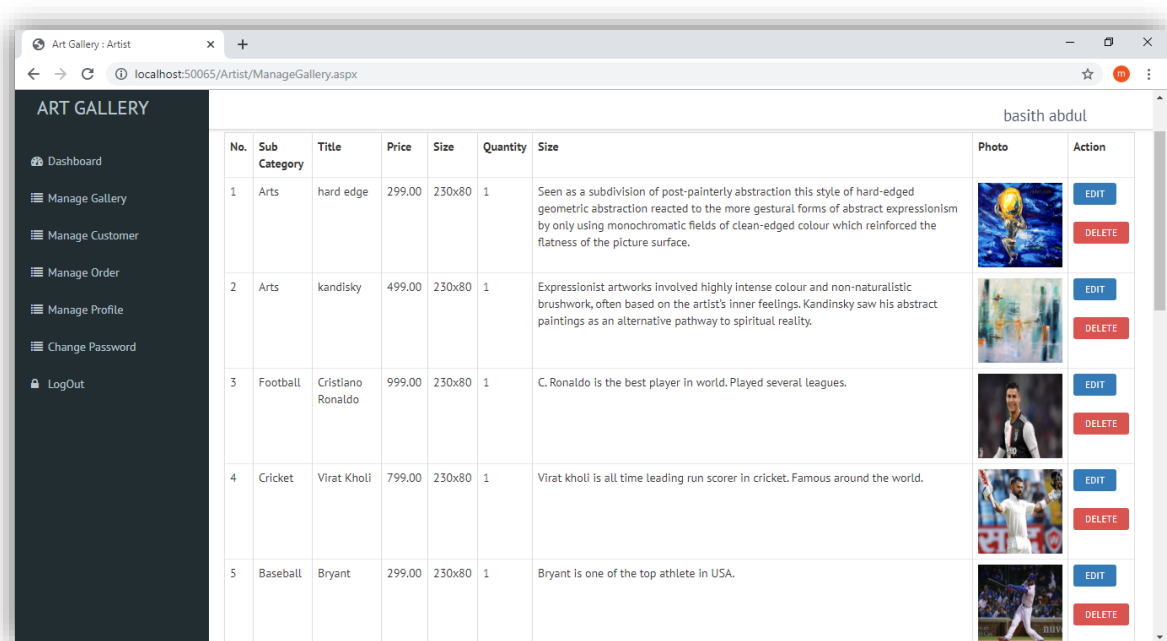


Figure 38 Artist-Manage Gallery

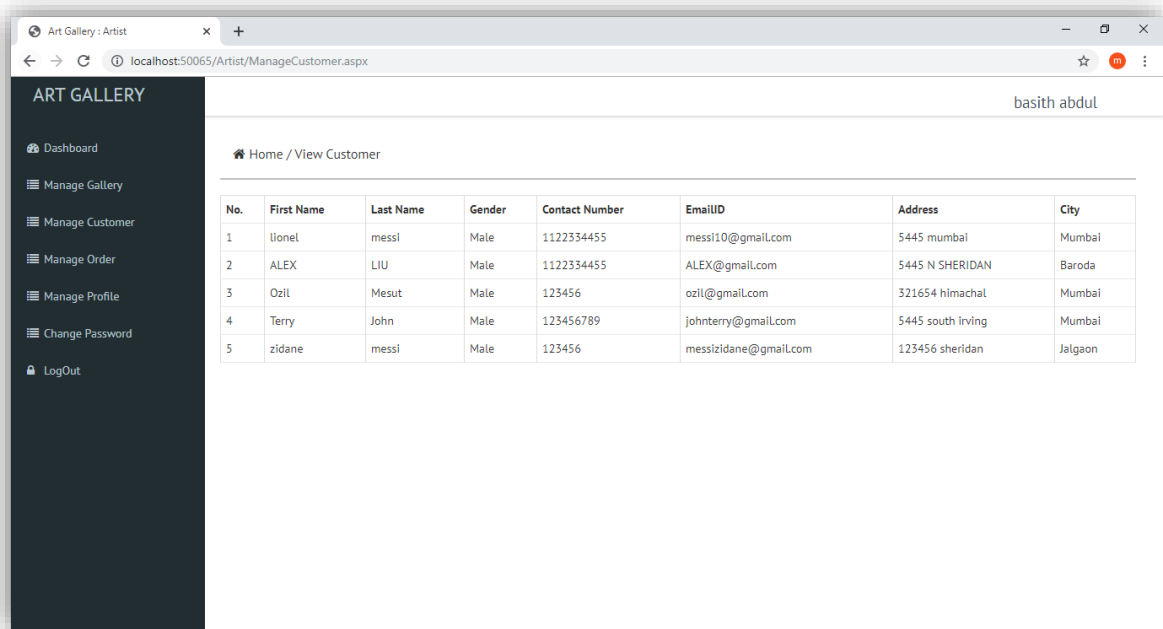


Figure 39 Artist-Manage Customer

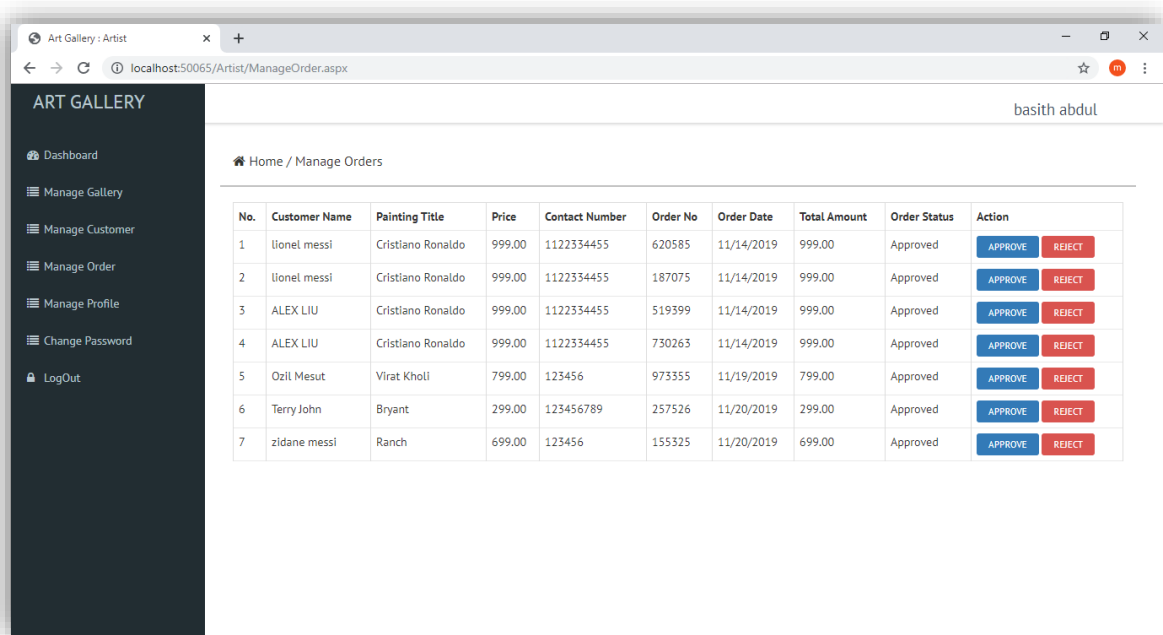


Figure 40 Artist-Manage Order

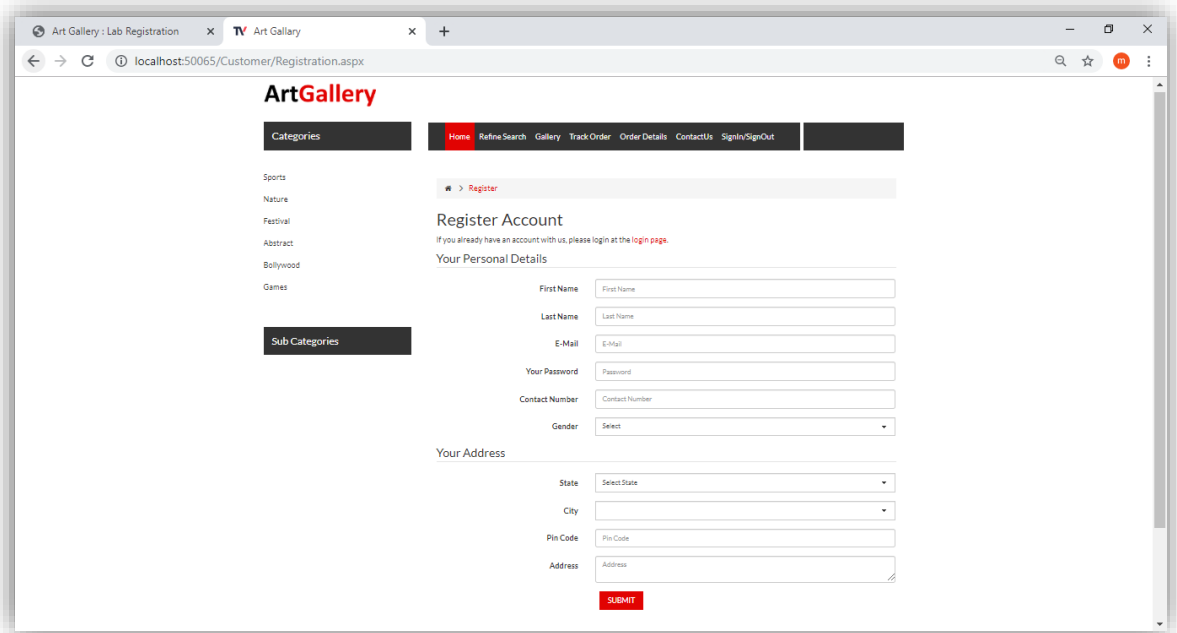


Figure 41 Customer Registration Page

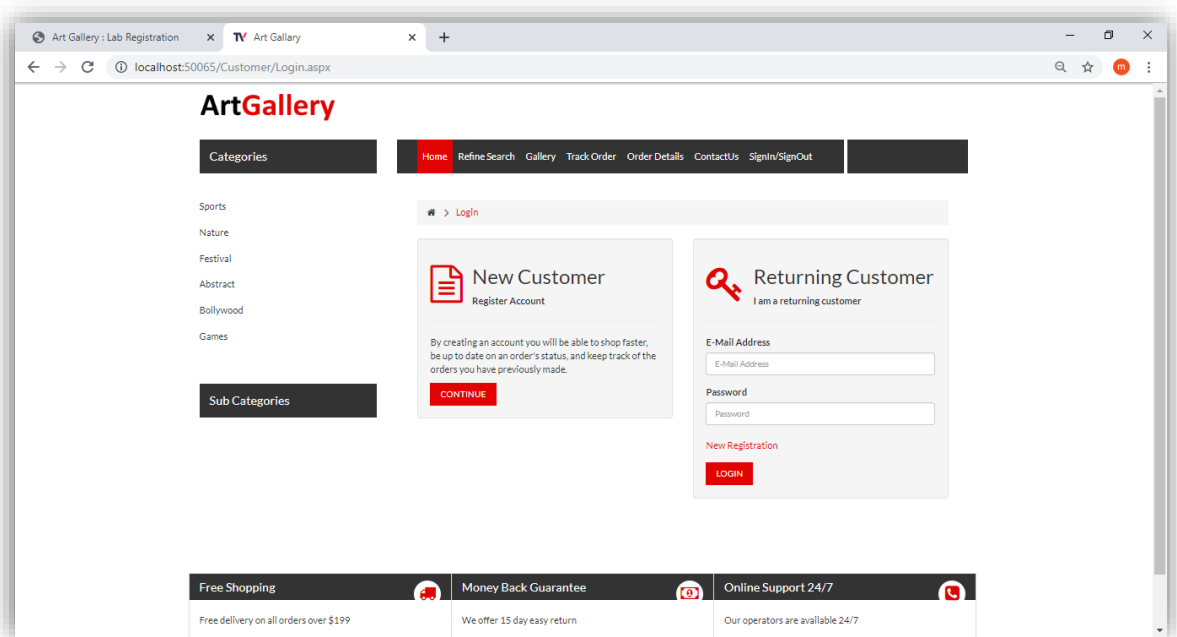


Figure 42 Customer Login Page

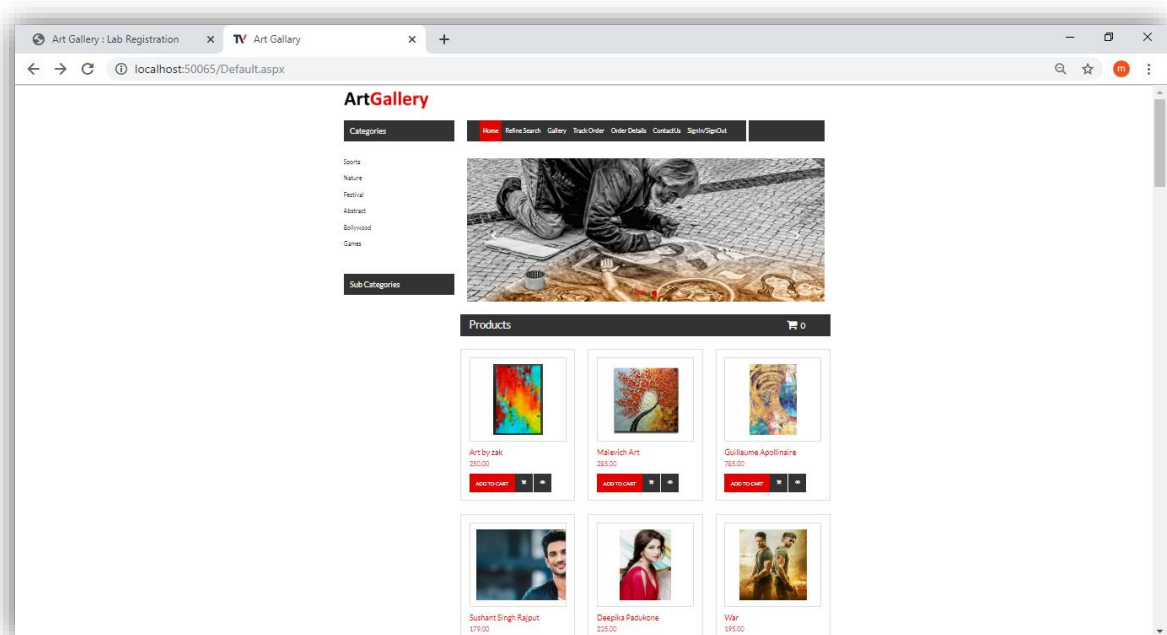


Figure 43 Website Home Page

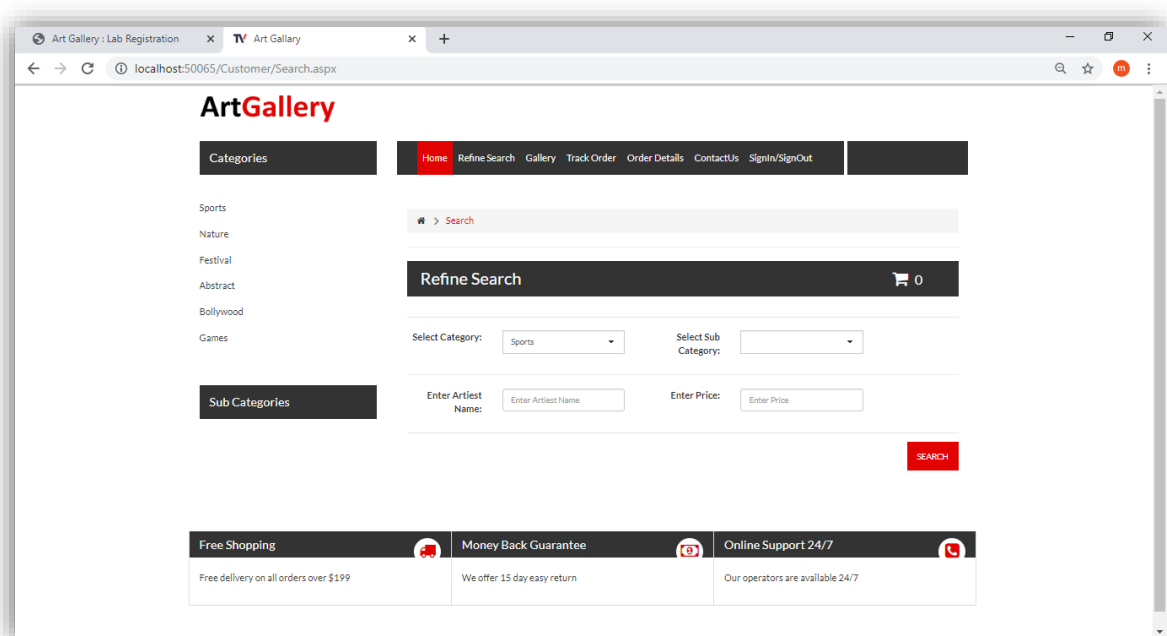


Figure 44 Website Search Page

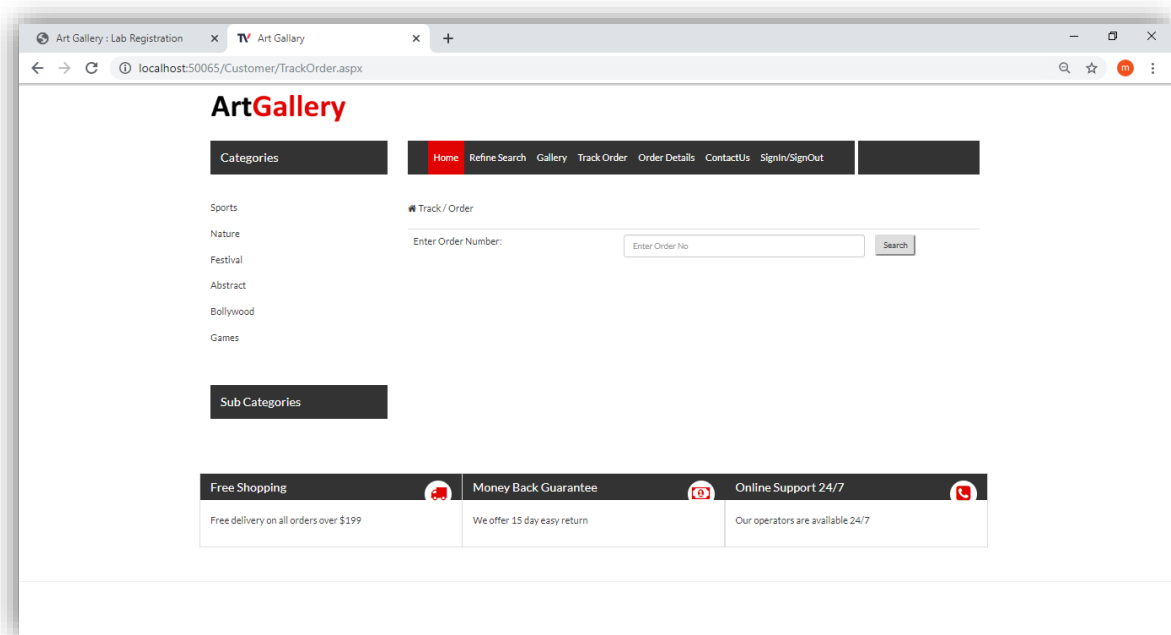


Figure 45 Customer Track Order Page

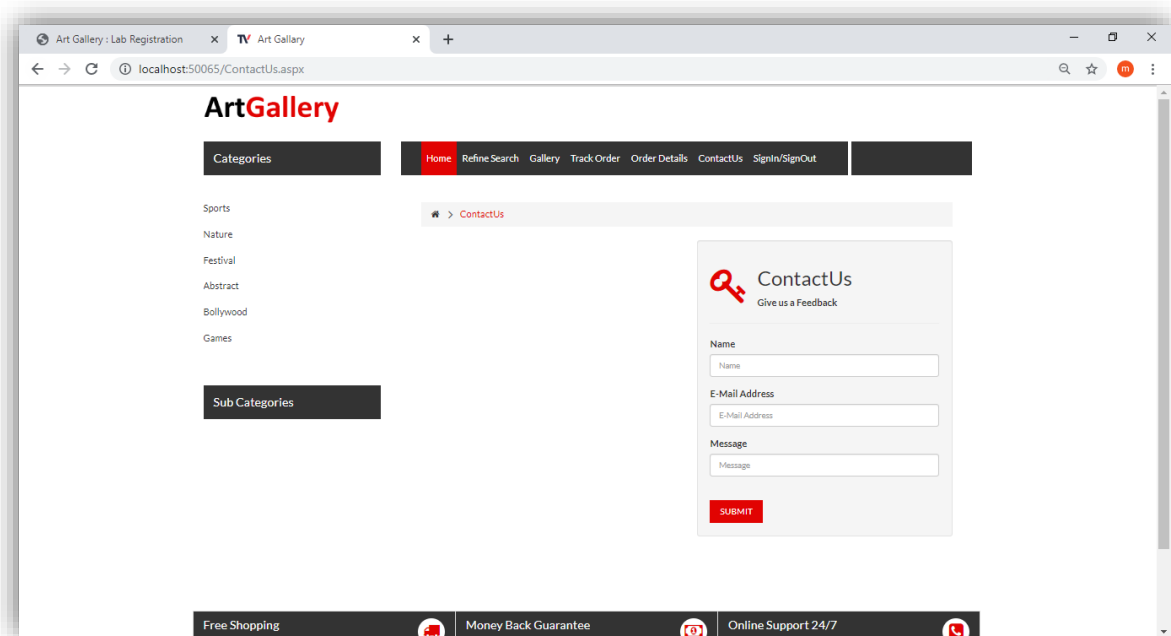


Figure 46 Customer Feedback (Contact Us) Page