

A
Project Report
On
“ Online Art Gallery Management System”
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Bachelor of Computer Application
(Semester-IV)
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(2023-2024)

CERTIFICATE

This is to certify the project report entitled “**Online Art Gallery Management Sysytem**” submitted by **Miss Pawar Shreya Santosh**. BCA-II Exam Seat No: **54942** and **Miss Jamadade Ankita Mohan** . BCA-II Exam Seat No: **54921** in partial fulfillment of the award of **Bachelor of Computer Application (BCA)** course submitted to SPPU university, Pune for the year 2024-2025 and this is agenuine and bonafide work prepared under my supervision and guidance. To the best of knowledge and belief the matter presented in this project report has not been submitted earlier to any university for similar purpose.

Place:

Date:

Project Guid

HOD

Internal Examiner

External Examiner

.....

.....

DECLARATION

I undersigned hereby declare that project entitled “**Online Art Gallery Management**” developed under the guidance of **Prof. S.Y. Shaikh** my original work. The information generated in this project work is based on the data collected by me.

I have not copied from any other project report submitted to Savitribai Phule University, Pune Earlier.

Place :

Signature

Date :

Your name

Partner name

ACKNOWLEDGEMENT

I express my sincere gratitude to my guide **Prof. S.Y. Shaikh** for her valuable guidance and help during project. Without her advice and co-operation I would not have succeed in my endeavor. Her thoughtfulness and understanding were vast and thoroughly helpful in successful completion of the project.

I am thankful to HOD of BCA Department **Prof. A.U. Phalke** for making available all the required resources and very valued constructive criticism that has driven to complete the project successfully.

I am especially thankful to those who helped me directly indirectly in completion of this work successfully.

Place:

Date:

Thank You,

Your Name

Partner Name

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1. INTRODUCTION OF PROFILE

Introduction

The Online Art Gallery Project has been developed on my Frontend like GUI. We are providing projects with source code, and documentation. The Online Art Gallery major project is an application which is based on managing the order and sell the Arts online. This application is very simple and impressive. The main objective behind this application Online Art Gallery is to provide all the details about Arts. There is single role user customer in this project who can manage all the activity. In this project customer can see the details of Arts, Arts Type etc. In this project customer can see Arts details, category details and also buy Arts. Customer can see his order history.

Existing system

Define the features and functionalities of your Art gallery management system. Design the user interface and use experience. Plan the structure of your Create modules for different features as artwork management, artist profiles, gallery event, etc. Perform integration testing to ensure the components work together & expected.

Scope of system

1.Functional Scope:-

- **Artwork Management:** Upload, categorize, and manage artwork images, details, and prices
- **Artist Management:** Create and manage artist profiles, including biographies, statements and portfolios.
- **User Management:** Manage user roles, permissions, and access levels for gallery administrators, artists, and customers.

2.Technical Scope:-

- **Database:** Design a robust database schema to store artwork, artist and exhibition data.
- **Payment Gateway:** Integrate a secure payment gateway, such as Stripe or Paypal, for online sales.
- **Search Engine Optimize:** Optimize the system for search engine to improve visibility and discoverability.

3.Business Scope:-

- **Online Sales:** Increase revenue through online sales and payment processing.
- **Marketing and Promotion:** Promote exhibition and artwork through email marketing, social media, and online advertising.
- **Customer Engagement:** Provide a user-friendly and engaging online experience for customer.

Advantages

- Online Art Gallery Management System (OAGMS) can reduce the time and effort required for manual record keeping.
- OAGMS can help art galleries better utilize their resources.
- OAGMS can help art galleries provide a secure, reliable and fast management system.

Disadvantages

- Internet connection
- Lack of face-to-face communication
- Shipping delay

Hardware & Software:

- **Software requirement**

Operating system:-Windows 11

Software:-HTML, CSS, JavaScript, Bootstrap, AngularJS

Editor:- Visual Studio

Browser:-chrome, Firefox

- **Hardware requirement**

Processor:-Intel core i3

RAM:-8GB

Hard disk:-512GB

Description of Technology:

The Online Art Gallery Management System is developed using a combination of front-end technologies to create a dynamic, responsive, and user-friendly platform. Below are the key technologies used:

1. Front-End Technologies:

HTML5: Used for structuring web pages and content.

CSS3: Provides styling and layout to make the interface visually appealing.

Angular Js: AngularJS is used in an Online Art Gallery Management System to create a dynamic, interactive, and responsive user interface, enabling seamless browsing, filtering, and purchasing of artworks in a single-page application.

Bootstrap (Optional): A CSS framework used for responsive design and quick UI development.

2.PROPOSED SYSTEM

Feasibility Study:

1. Technical Feasibility:-

- **Hardware Requirements:** The system will require a robust server to handle a large volume of artwork images, user data, and transactions.
- **Software Requirements:** The system will be built using a scalable and secure platform, such as Ruby on Rails or Django.

2. Operational Feasibility:-

- **User Management:** The system will require a user-friendly interface for gallery administrators, artists, and customers to manage their accounts and interactions.
- **Artwork Management:** The system will require a robust artwork management system to upload, categorize, and manage artwork images and details.

3. Financial Feasibility:-

- **Development Costs:** The development costs will depend on the complexity of the system, the technology stack, and the development team.
- **Maintenance Costs:** The maintenance costs will depend on the frequency of updates, bug fixes, and security patches.

4. Social Feasibility:-

- **Target Audience:** The target audience will be art enthusiasts, collectors, and galleries.
- **User Acceptance:** The system will require user acceptance testing to ensure that the system meets the needs and expectations of the target audience.
- **Social Impact:** The system will have a positive social impact by promoting art, supporting artists, and providing a platform for art enthusiasts to connect and share their passion.

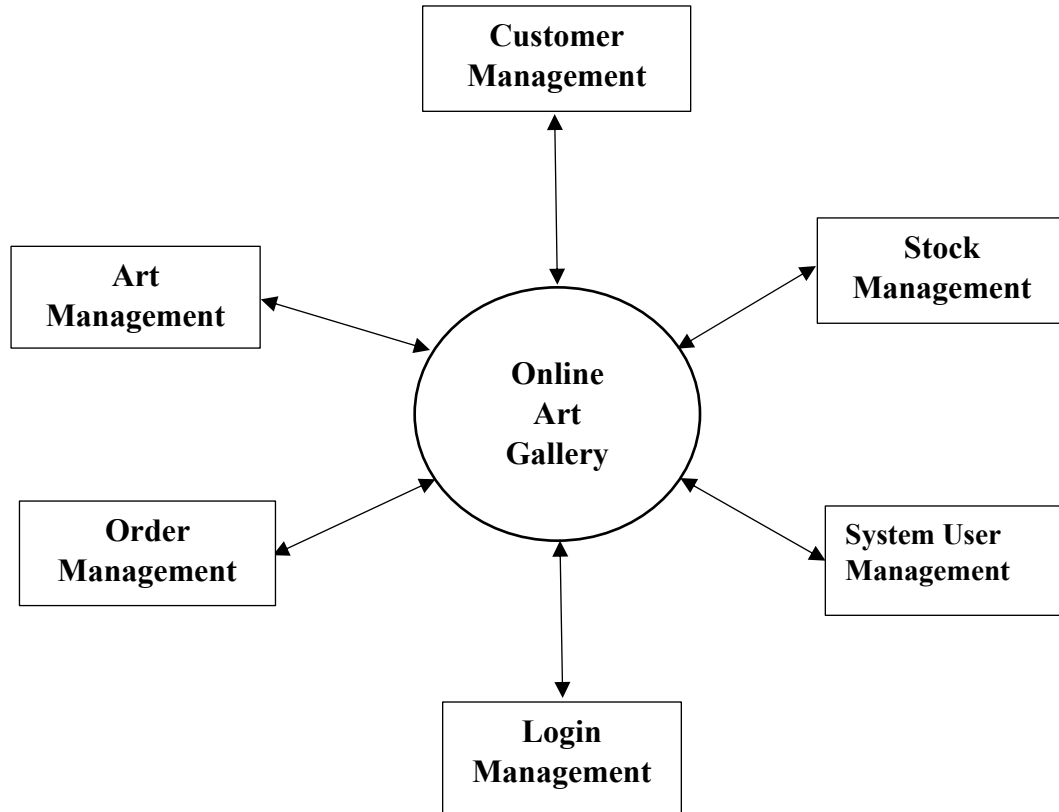
OBJECTIVE

- 1.Artwork Management
- 2.Artist Profiles
- 3.Exhibition and Event Management
- 4.Sales and Transactions
- 5.User Authentication and Authorization
- 6.Search and Filter Functionality
- 7.User Engagement and Interaction
- 8.Responsive Design and Cross-Platform Compatibility
- 9.Data Management and Reporting

3.ANALYSIS REQUIREMENT

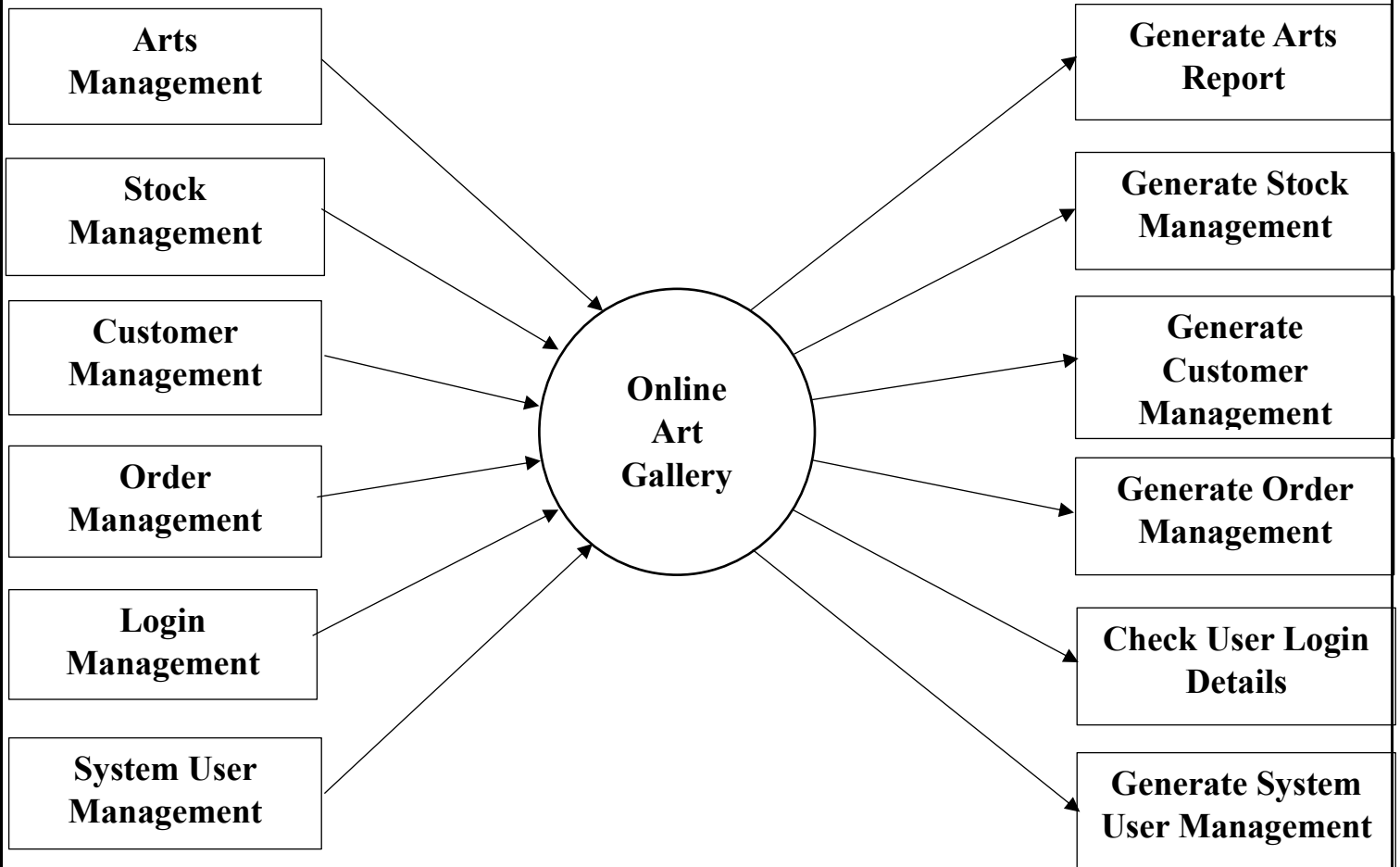
DFD

0 Level DFD:



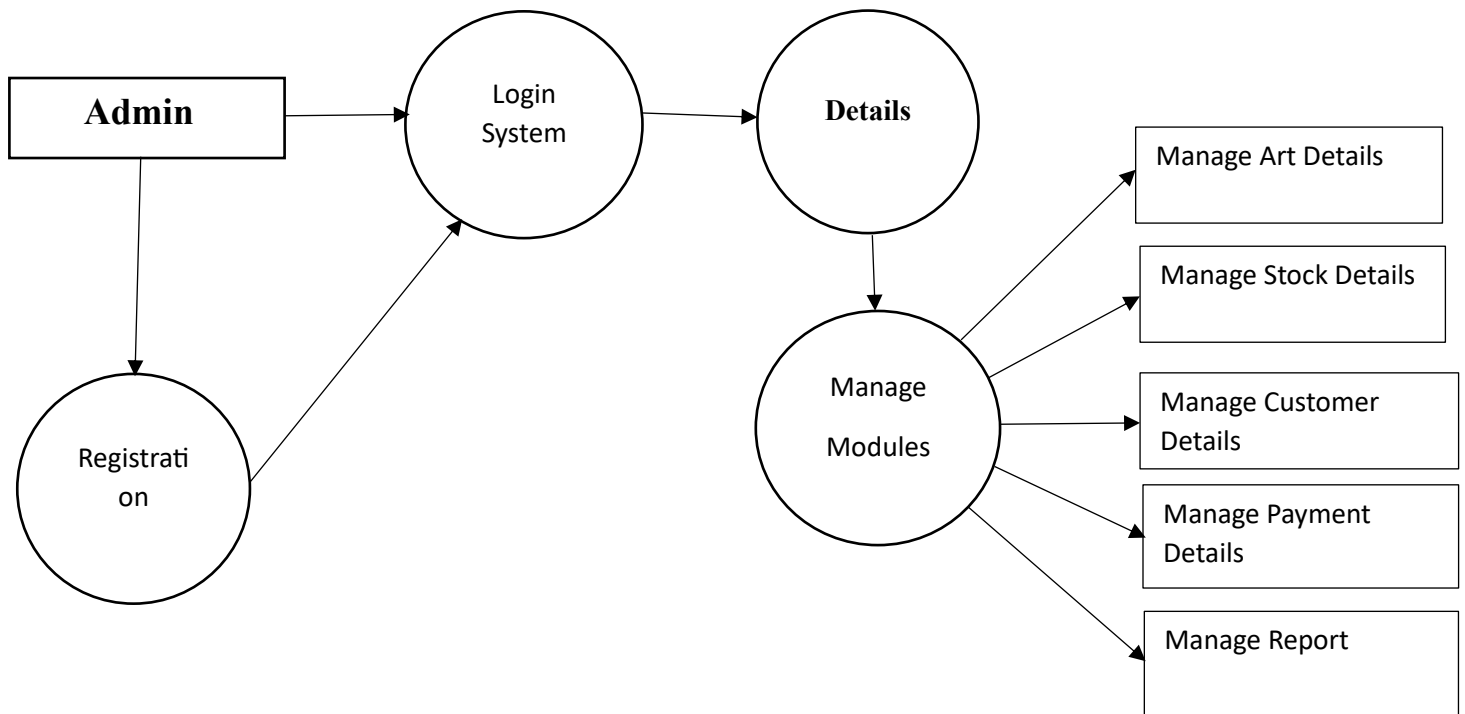
Zero Level DFD – Online Art Gallery

1 Level DFD:



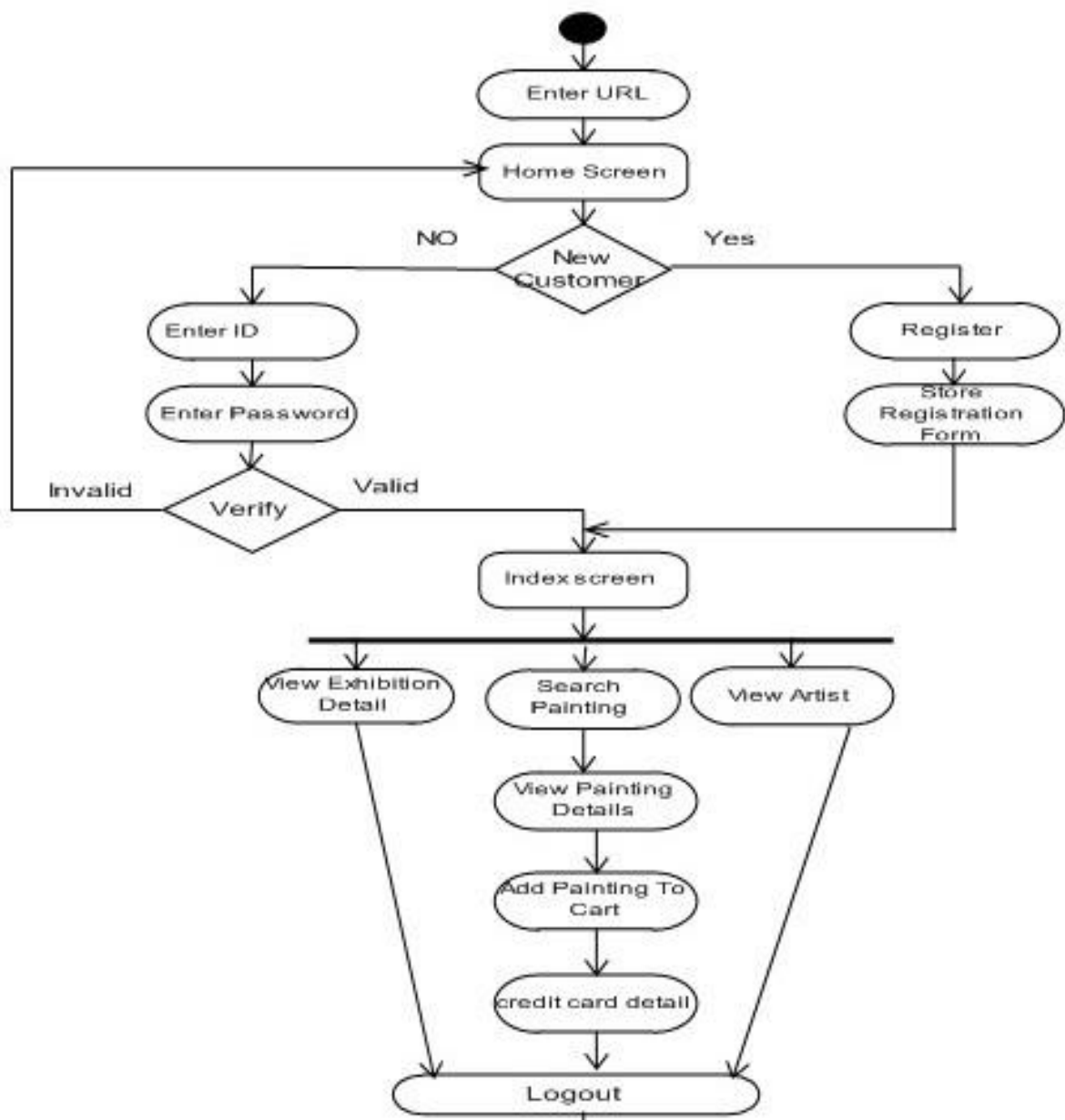
First Level DFD – Online Art Gallery

2 Level DFD

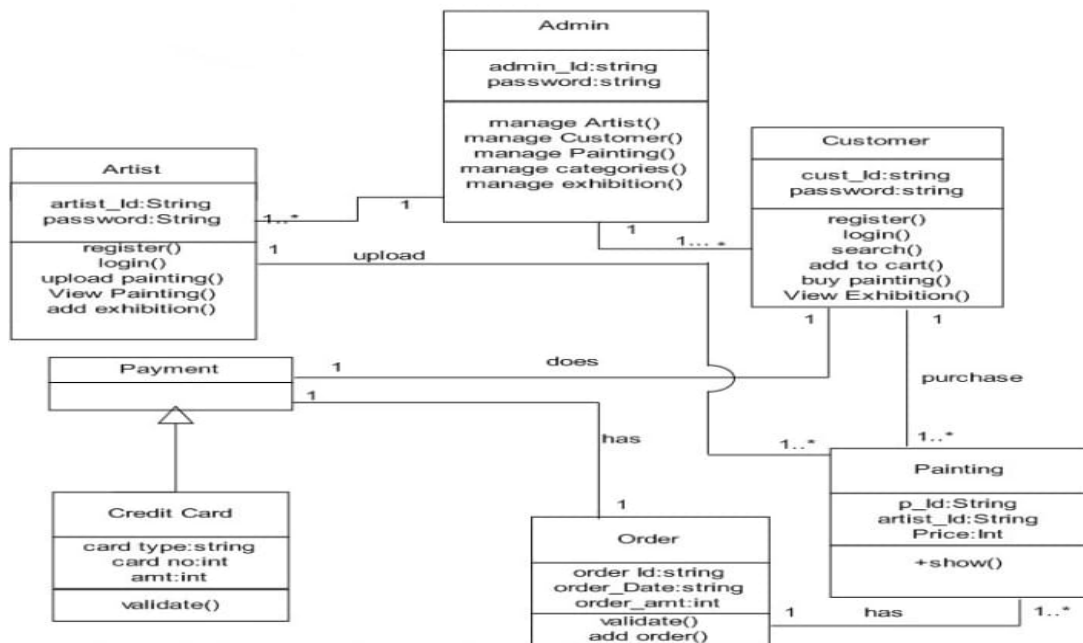


Second Level DFD – Online Art Gallery

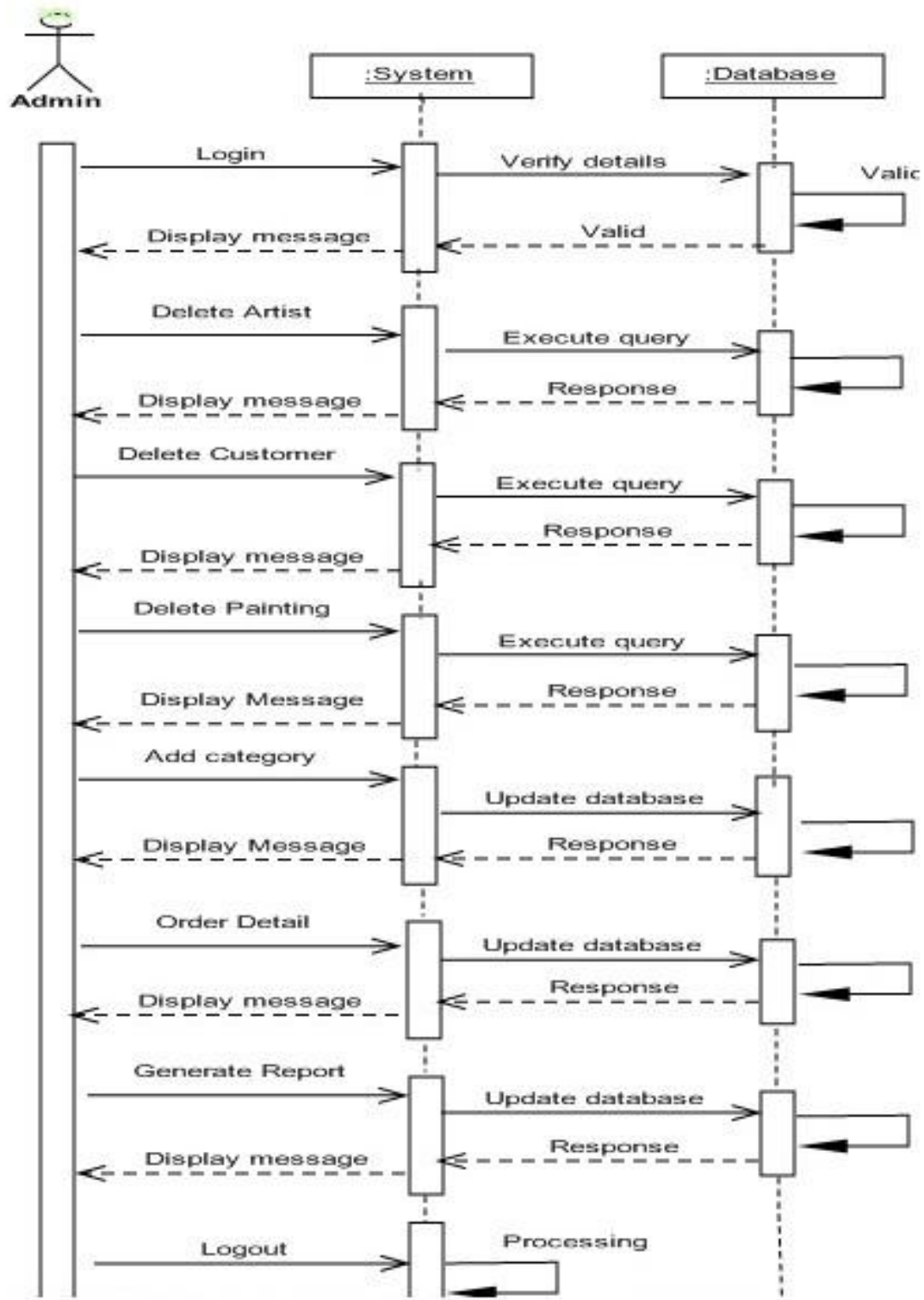
Activity Diagram



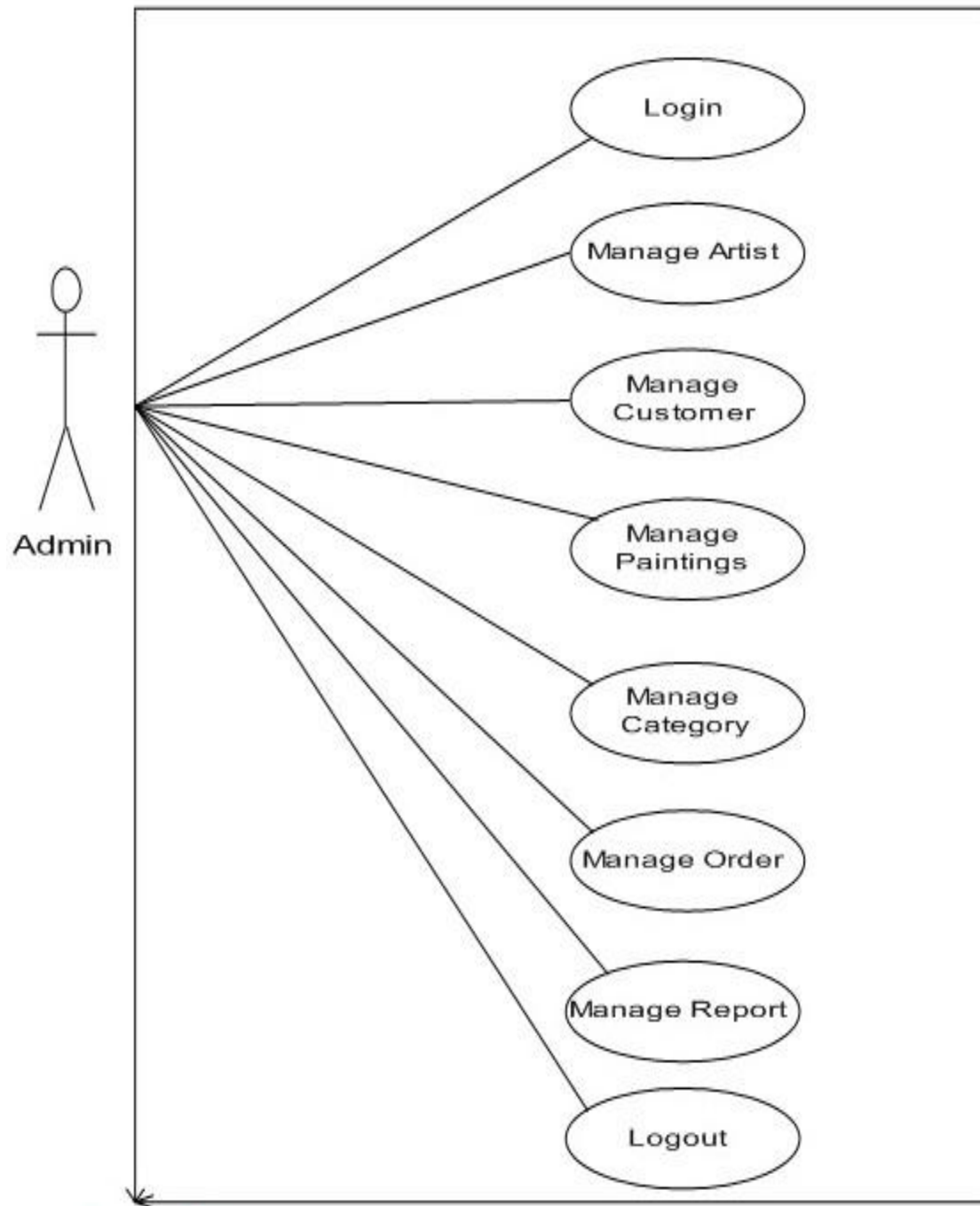
Class Diagram



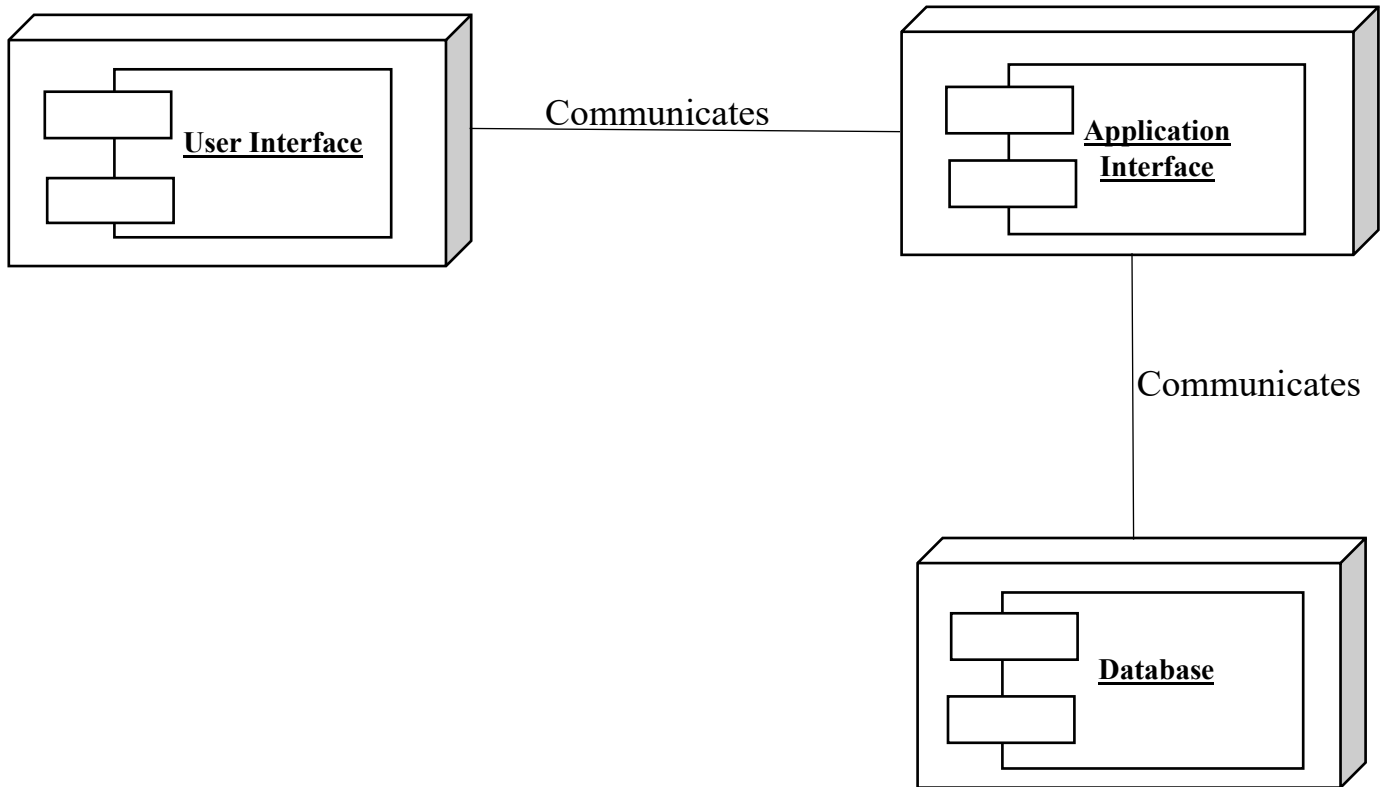
Sequence Diagram



USER CASE



DEPLOYMENT



- **INPUT AND OUTPUT**
- **Registration And Login Page**

File C:/Users/Shreya%20Pawar/OneDrive/Desktop/1516/p1.html#/

Online Art Gallery Registration

ENTER NAME :

ENTER EMAIL :

ENTER DATE OF BIRTH :

ENTER PHONE NUMBER :

ENTER ADDRESS :

ENTER PASSWORD :

[Register](#)

Already have an account? [Login here](#)

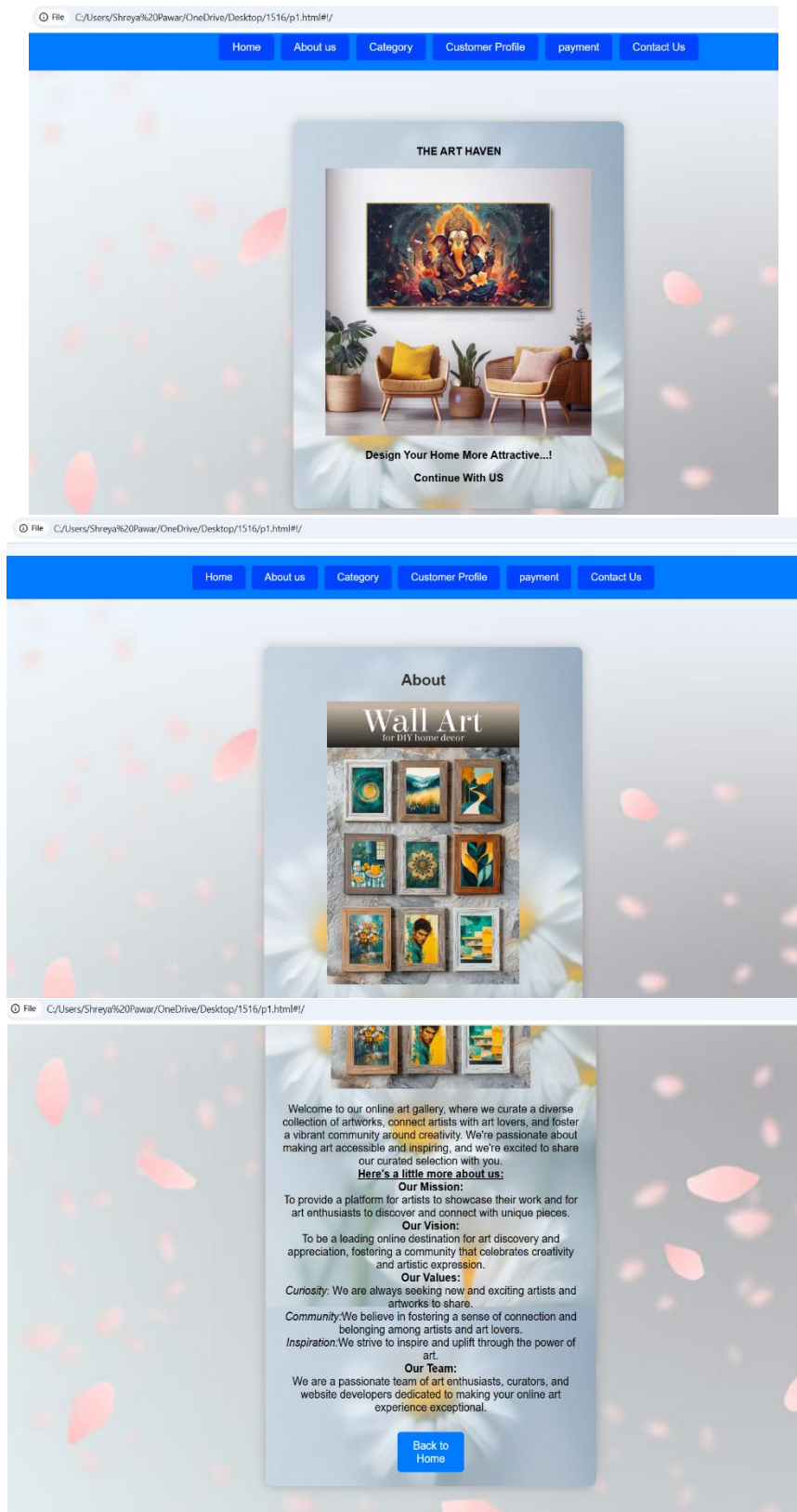
File C:/Users/Shreya%20Pawar/OneDrive/Desktop/1516/p1.html#/

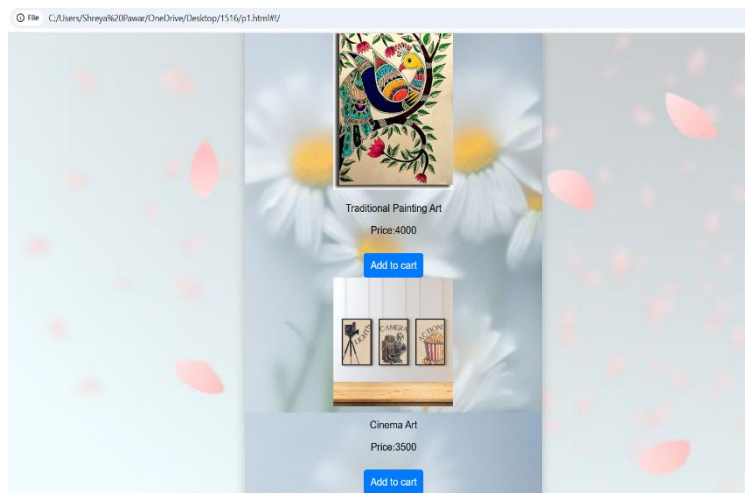
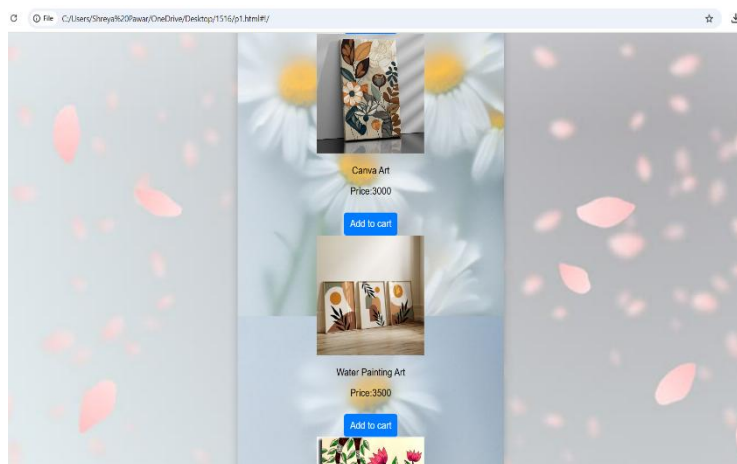
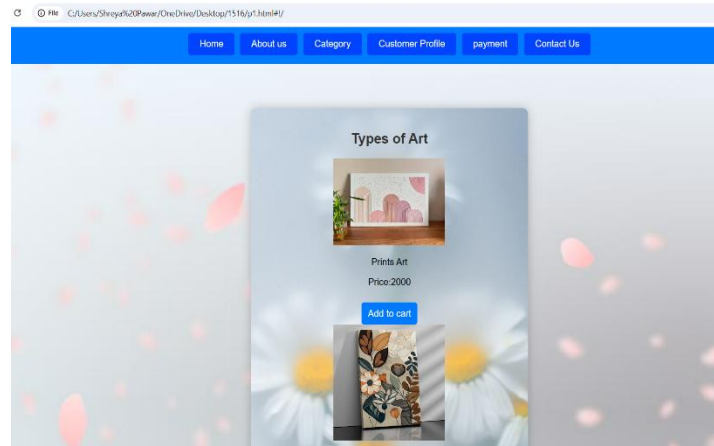
Online Art Gallery Login

[Login](#)

Don't have an account? [Register here](#)

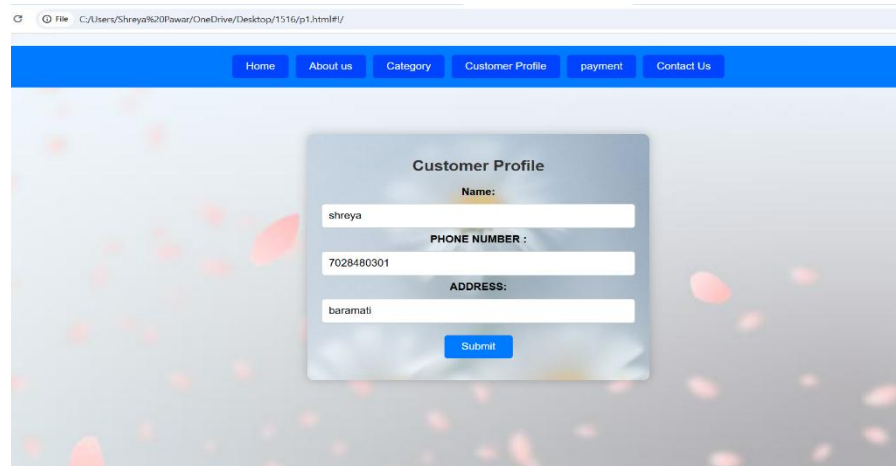
Home Page And About us Page





• Category Page

- **Customer Profile and Payment Page**



A screenshot of a web browser displaying a "Customer Profile" form. The browser's address bar shows the file path "C:/Users/Shreya%20Pawar/OneDrive/Desktop/1516/p1.html#/" and the page title is "File". The navigation bar is blue with white text links: "Home", "About us", "Category", "Customer Profile", "payment", and "Contact Us". The main content area has a light blue background with a subtle pattern of pink petals. In the center is a white form titled "Customer Profile" with a blue "Submit" button. The form contains three input fields: "Name:" with the value "shreya", "PHONE NUMBER :" with the value "7028480301", and "ADDRESS:" with the value "baramati".

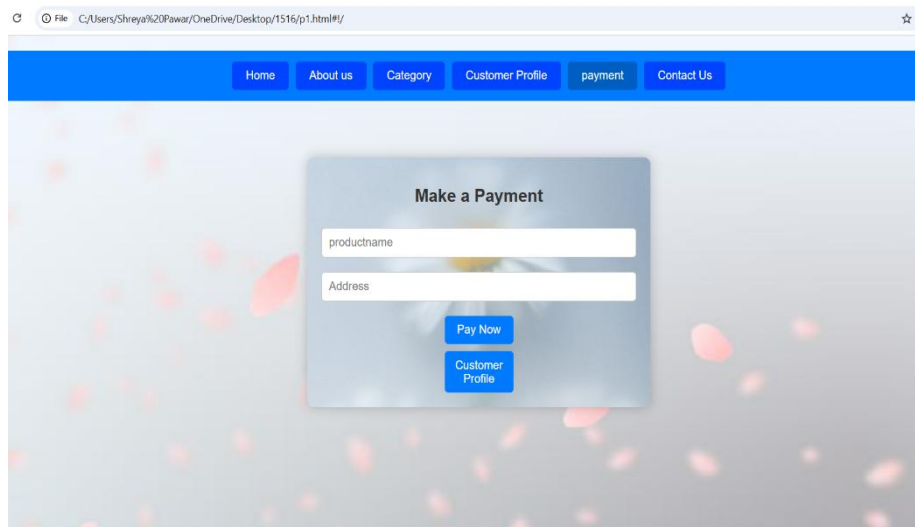
Customer Profile

Name: shreya

PHONE NUMBER : 7028480301

ADDRESS: baramati

Submit



A screenshot of a web browser displaying a "Make a Payment" form. The browser's address bar shows the file path "C:/Users/Shreya%20Pawar/OneDrive/Desktop/1516/p1.html#/" and the page title is "File". The navigation bar is blue with white text links: "Home", "About us", "Category", "Customer Profile", "payment", and "Contact Us". The main content area has a light blue background with a subtle pattern of pink petals. In the center is a white form titled "Make a Payment" with two blue buttons: "Pay Now" and "Customer Profile". The form contains two input fields: "productname" and "Address".

Make a Payment

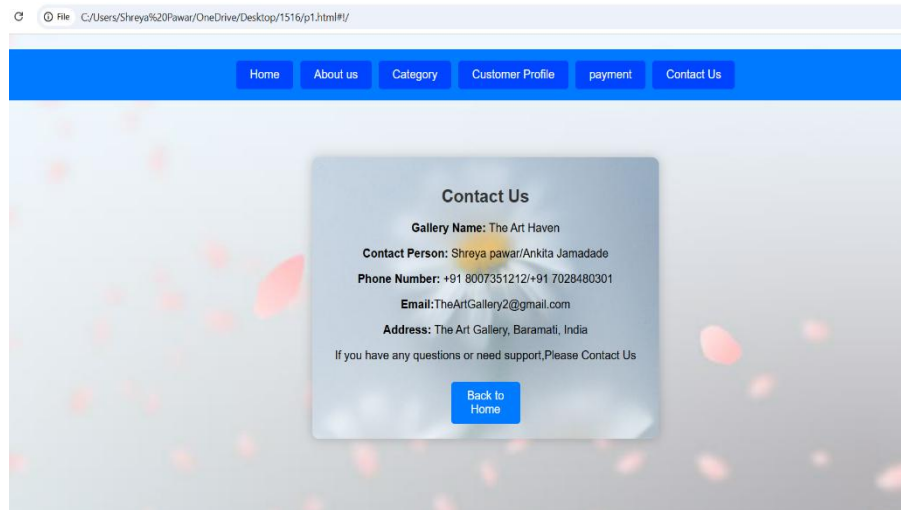
productname

Address

Pay Now

Customer Profile

• Contact us Page



4.CODING

Coding

```
<!DOCTYPE html>

<html lang="en" ng-app="ArtApp">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Online Art Gallery</title>

  <script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.2/angular.min.js"></script>

  <script src="https://cdnjs.cloudflare.com/ajax/libs/angular-route/1.8.2/angular-
route.min.js"></script>

  <style>

    body {

      font-family: Arial, sans-serif;

      margin: 0;

      padding: 0;

      text-align: center;

      background-image: url('f3.jpg');

      background-repeat: no-repeat;

      background-size: cover;

    }

    .container {

      width: 30%;

      margin: 5% auto;

      background: rgba(255, 255, 255, 0.9);

      padding: 20px;

      border-radius: 10px;

      box-shadow: 0 0 15px rgba(0, 0, 0, 0.2);
```

```
background-image: url('f.jpg');  
}
```

```
h2 {  
  color: #333;  
}
```

```
input {  
  width: 95%;  
  padding: 10px;  
  margin: 10px 0;  
  border: 1px solid #ccc;  
  border-radius: 5px;  
  font-size: 16px;  
}
```

```
button {  
  width: 100px;  
  padding: 10px;  
  background: #007BFF;  
  color: white;  
  border: none;  
  border-radius: 5px;  
  cursor: pointer;  
  font-size: 16px;  
  margin-top: 10px;  
}
```

```
button:hover {  
  background: #0056b3;  
}
```



```

.navigation {
    display: flex;
    justify-content: center;
    margin-top: 20px;
    background-color: #007BFF;
    padding: 10px;
}

.navigation a {
    padding: 10px 20px;
    margin: 5px;
    text-decoration: none;
    color: white;
    background-color: hsl(224, 100%, 50%) ;
    border-radius: 5px;
    font-size: 16px;
}

.navigation a:hover {
    background-color: #0000003d;
}

</style>
</head>
<body ng-controller="ArtController">
    <!-- Registration Page -->
    <div class="container" ng-show="page === 'register'" >
        <div id="d1">
            <h2> Online Art Gallery Registration</h2>
            <b>ENTER NAME :</b><br>
            <input type="text" ng-model="user.name" placeholder="Full Name" required>

```

```

<b>ENTER EMAIL :</b><br>
<input type="email" ng-model="user.email" placeholder="Email" required>
<b>ENTER DATE OF BIRTH :</b><br>
<input type="date" ng-model="user.date" placeholder="date_of_birth" required>
<b>ENTER PHONE NUMBER :</b><br>
<input type="number" ng-model="user.phno" placeholder="phone_number" required>
<b>ENTER ADDRESS :</b><br>
<input type="text" ng-model="user.addr" placeholder="address" required>
<b>ENTER PASSWORD :</b><br>
<input type="password" ng-model="user.password" placeholder="Password" required>
<button ng-click="register()">Register</button>
<p>Already have an account? <a href="" ng-click="page='login'">Login here</a></p>
</div>
</div>

<!-- Login Page -->
<div class="container" ng-show="page === 'login'">
  <div id="d2">

    <h2>Online Art Gallery Login</h2>
    <input type="email" ng-model="login.email" placeholder="Email" required>
    <input type="password" ng-model="login.password" placeholder="Password" required>
    <button ng-click="loginUser()">Login</button>
    <p>Don't have an account? <a href="" ng-click="page='register'">Register here</a></p>
  </div>
</div>

<!-- Navigation -- (Hidden on Login Page)-->

```

```

<div class="navigation" ng-show="page !== 'login' && page !== 'register'">
  <a href="" ng-click="navigateTo('home')">Home</a>
  <a href="" ng-click="navigateTo('about')">About us</a>
  <a href="" ng-click="navigateTo('Category')">Category</a>
  <a href="" ng-click="navigateTo('CustomerProfile')">Customer Profile</a>
  <a href="" ng-click="navigateTo('payment')">payment</a>
  <a href="" ng-click="navigateTo('contact')">Contact Us</a>
</div>

```

```

<!-- Contact Us Page -->

```

```

<div class="container my-4" ng-show="page === 'contact'">
  <h2 class="text-center"> Contact Us</h2>
  <p><strong>Gallery Name:</strong> The Art Haven</p>
  <p><strong>Contact Person:</strong> Shreya pawar/Ankita Jamadade</p>
  <p><strong>Phone Number:</strong> +91 8007351212/+91 7028480301</p>
  <p><strong>Email:</strong>TheArtGallery2@gmail.com</p>
  <p><strong>Address:</strong> The Art Gallery, Baramati, India</p>

  <p>If you have any questions or need support,Please Contact Us </p>

  <button class="btn btn-primary" ng-click="navigateTo('products')"> Back to Home</button>
</div>

```

```

<!-- Home Section -->

```

```

<div class="container" ng-show="page === 'home'">
  <p><b>THE ART HAVEN</b></p>
  
  <p><b>Design Your Home More Attractive...!</b></p>

```

```
<p><b>Continue With US</b></p>
</div>
```

```
<!-- Category Page -->
<div class="container" ng-show="page === 'Category'">
  <h2 class="text-center my-4">Types of Art</h2>
  
  <p>Prints Art</p>
  <p>Price:2000</p>
  <button ng-click="navigateTo('CustomerProfile')">Add to cart</button><br>

  
  <p>Canva Art</p>
  <p>Price:3000</p>
  <button ng-click="navigateTo('CustomerProfile')">Add to cart</button><br>
  
  <p>Water Painting Art</p>
  <p>Price:3500</p>
  <button ng-click="navigateTo('CustomerProfile')">Add to cart</button><br>
  
  <p>Traditional Painting Art</p>
  <p>Price:4000</p>
  <button ng-click="navigateTo('CustomerProfile')">Add to cart</button><br>
  
  <p>Cinema Art</p>
  <p>Price:3500</p>
  <button ng-click="navigateTo('CustomerProfile')">Add to cart</button><br>
```

```
</div>
```

```
<!-- Profile Page -->
```

```
<!-- Customer Page -->
```

```
<div class="container" ng-show="page === 'CustomerProfile'">
```

```
  <h2>Customer Profile</h2>
```

```
  <p><b> Name:</b>
```

```
    <input type="text" ng-model="user.name" placeholder="Full Name" required>
```

```
  <b>PHONE NUMBER :</b><br>
```

```
    <input type="number" ng-model="user.phno" placeholder="phone_number" required>
```

```
  <b>ADDRESS:</b><br>
```

```
    <input type="text" ng-model="user.addr" placeholder="address" required>
```

```
  <button ng-click="navigateTo('payment')">Submit</button>
```

```
</div>
```

```
<!-- Payment Page -->
```

```
<div class="full-page" ng-show="page === 'payment'" ng-class="{ 'payment-page': true}">
```

```
  <div class="container">
```

```
    <h2>Make a Payment</h2>
```

```
    <form ng-submit="processPayment(paymentMethod)">
```

```
      <input type="text" ng-model="paymentMethod.productname"
placeholder="productname" required>
```

```
      <input type="text" ng-model="paymentMethod.Address" placeholder="Address"
required>
```

```
      <button type="submit">Pay Now</button>
```

```
    </form>
```

```

        <button ng-click="navigateTo('CustomerProfile')">Customer Profile</button>
    </div>
</div>

<!-- About Us Page -->
<div class="container" ng-show="page === 'about'">
    <h2>About</h2>
    
    <p>Welcome to our online art gallery, where we curate a diverse collection of artworks,
    connect artists with art lovers, and foster a vibrant community around creativity. We're passionate
    about making art accessible and inspiring, and we're excited to share our curated selection with
    you. <br>
        <b><u>Here's a little more about us:</u></b><br>
        <b> Our Mission:</b><br>
        To provide a platform for artists to showcase their work and for art enthusiasts to discover
        and connect with unique pieces.<br>
        <b>Our Vision:</b><br>
        To be a leading online destination for art discovery and appreciation, fostering a community
        that celebrates creativity and artistic expression.<br>
        <b>Our Values:</b><br>
        <i>Curiosity</i>: We are always seeking new and exciting artists and artworks to
        share.<br>
        <i>Community:</i>We believe in fostering a sense of connection and belonging among
        artists and art lovers.<br>
        <i>Inspiration:</i>We strive to inspire and uplift through the power of art.<br>
        <b>Our Team:</b><br>
        We are a passionate team of art enthusiasts, curators, and website developers dedicated to
        making your online art experience exceptional.</p>
        <button ng-click="navigateTo('home')">Back to Home</button>
    </div>

```

```

<script>

    var app = angular.module('ArtApp', ['ngRoute']);

    app.controller('ArtController', function ($scope, $location) {

        // Default page

        $scope.page = 'register';

        // Sample Art list with correct image paths
        $scope.Art = [
        {
            id: 1,
            name: "Cake",
            image: "C:\Users\SAKSHI\OneDrive\画像\Camera Roll\cake.jpg" // Corrected path
        },
        {
            id: 2,
            name: "Biscuits",
            image: "C:\Users\SAKSHI\OneDrive\画像\Camera Roll\bis.jpg" // Corrected path
        }
        ];

        // Register a new user

        $scope.register = function () {

            if ($scope.user.name && $scope.user.email && $scope.user.password &&
                $scope.user.date && $scope.user.phno && $scope.user.addr) {

                localStorage.setItem('ArtUser', JSON.stringify($scope.user));
            }
        }
    });

```

```

        alert("Registration successful! Please login.");
        $scope.page = 'login';
    } else {
        alert("All fields are required!");
    }
};

// Login user
$scope.loginUser = function () {
    let storedUser = JSON.parse(localStorage.getItem('ArtUser'));
    if (storedUser && $scope.login.email === storedUser.email && $scope.login.password
    === storedUser.password) {
        alert("Login successful! Redirecting to bakery page.");
        $scope.page = 'Art'; // Navigate directly to bakery page after login
        $scope.currentUser = storedUser; // Store current user in profile
    } else {
        alert("Invalid credentials!");
    }
};

// Book an order
$scope.bookorder = function (event) {
    $scope.page = 'payment'; // Go to payment page after booking order
};

// Process payment
$scope.processPayment = function(paymentMethod) {
    alert("Payment successful! You are now registered for the order.");
    $scope.page = 'profile'; // Redirect to profile page after payment

```



```
};

// Handle navigation
$scope.navigateTo = function (page) {
    $scope.page = page;
};
});
</script>
</body>
</html>
```

5.LIMITATIONS OF PROPOSED SYSTEM

1. Loss of Physical Art Experience:

Tactile and Sensory Deprivation:

A virtual gallery can't replicate the physical experience of seeing, touching, and being in the same space as an artwork.

2. Technical Limitations:

Internet Access and Technology:

Not everyone has reliable internet access or the necessary hardware and software to navigate a virtual gallery seamlessly.

3. Community and Networking Challenges:

Lack of Personal Interaction:

Virtual galleries can struggle to foster the sense of community and networking that physical spaces offer.

6.PROPOSED ENHANCEMENT

Proposed Enhancement

1. Immersive Viewing Experience (VR/AR):

Virtual Reality (VR) Gallery:

Allow users to explore the gallery virtually, creating a more immersive and engaging experience, as if they were physically present.

Augmented Reality (AR) Integration:

Enable users to view artwork in their own environments using AR, allowing them to visualize how pieces would look in their homes or spaces.

3D Models and Interactive Elements:

Offer 3D models of artwork and interactive elements within the gallery, allowing users to explore details and angles from different perspectives.

2. Enhanced Artist Profiles:

Detailed Artist Portfolios:

Allow artists to showcase their work with detailed portfolios, including artist statements, biographies, and links to their social media or websites.

Artist-Specific Galleries:

Create dedicated virtual galleries for each artist, allowing them to curate their own collections and exhibitions.

Artist Communication Tools:

Provide tools for artists to communicate with potential buyers or gallery administrators, facilitating direct interaction and building relationships.

3. Secure Payment Gateway Integration:

Secure Payment Processing:

Integrate a secure payment gateway to enable online transactions, ensuring the safety and security of customer data.

Multiple Payment Options:

Offer a variety of payment options, such as credit cards, PayPal, or other popular methods, to cater to diverse customer preferences.

7.CONCLUSION

Conclusion

ONLINE ART GALLERY is a application software and it is very helpful for the art lovers and others who wants to know the addresses where this kind of arts will we sold. This application helps the end-users to search their arts and paintings and they can place order for the selected pieces. The end- user can also get the information about the art exhibition and the respective address, so, that they can visit to those exhibitions. Art Gallery brings you an opportunity to view online art exhibitions at our Online Art Gallery we bring you details of all art exhibitions held in the past and the forthcoming show. The Online Art Gallery is updated daily, so the user can view and buy the latest collection of contemporary art online from any where in the world. You can view and buy the latest Indian contemporary art collection available at their exhibitions and also at their online gallery.

8.BIBLIOGRAPHY

Bibliography

For Successful completing my project file .I have taken from the following website links-

- 1.<http://www.youtube.com/>
- 2.<http://www.w3school.com/>
- 3.<http://www.google.com/>