



Project Name: Art For Welfare
Branch PG-DAC March-2023

Documentation On

“Art For Welfare”
PG-DAC March-2023

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Submitted By :
Group No: 12

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1. Introduction:

1.1 Document Purpose:

The purpose of this document is to define the business requirements and scope for the Art for Welfare initiative. This project aims to promote art and also promoting social welfare and community development. The scope of this document encompasses the functional and non-functional requirements, business rules, and other constraint requirements for the Art for Welfare platform.

1.2 Project Background:

Within the realm of art, there are numerous non-professional artists, including street artists and individuals who create art purely for enjoyment and personal expression. However, the existing system often overlooks the valuable contributions and potential of these artists to contribute to social welfare initiatives. Their artwork remains untapped as a means of generating funds and support for various welfare projects.

Art For Welfare is a unique platform which brings Artist, NGO and Customers together, Where Artist can showcase their art, Customer can see and buy the arts uploaded by Artist . The Amount Received by selling Art is directly funded to NGOs. NGO are benefitted Directly.

1.3 Aim & Objectives:

The goal of the Art for welfare project is to establish a platform that enables professional and non-professional artists to contribute their artwork for social welfare initiative, while raising funds to support various welfare projects.

Through the Art For Welfare project , professional and non-professional artists , including street artists and those who create art for personal enjoyment , will have the opportunity to post their artwork. These posted artworks will be made available for sale , with the proceeds directed towards funding welfare initiative such as education , healthcare , poverty alleviation , environmental conservation , and other deserving causes.

2. Business Requirements Overview:

- Art for Welfare platform is the public web application.
- Art for Welfare platform will be open globally, but in the phase 1, the main target is India.
- There are mainly three types of users - Artist , Customer and NGO.
- Customers can search for the Artworks.
- Artist can select the NGO from the list and can post art for specific NGO.
- Art For Welfare platform provides the facility to connect the Artists , NGO and Customers.
- Art For Welfare platform could be maintained by the Administrator.
- Platform will take operations charges in the form of some percentage share from every transaction as well as take donations which will act as revenue to maintain operations of platform.

3. Functional Requirements Overview:

Our Portal consists of four modules described as below.

1. Artist's Module
2. Customer's Module
3. Admin Module
4. NGO 's Module

3.1 Artist Module

- Artist can register and create his own account.
- Artist can login with proper credentials.
- Artist should have his own profile page.
- Artist can see the listed NGO's
- Artist will be able to publish his Arts for listed NGO's.

3.2 Customer Module

- Customer can register and create his own account.
- Customer will be able to login with proper credentials.
- Customer will have profile page.
- Customer will be able to see all artworks.
- Customer will be able to search arts according to categories of arts.

3.3 Admin Module

- Admin will be able to login with proper credentials.
- Admin will verify NGO's using documents provided by them.
- Admin will be able to remove any NGO, customer or artist.

3.4 NGO Module

- NGO must submit appropriate documents for verification.
- NGO will be able to Login with proper credentials.
- NGO Can receive the fund.

4. Non-Functional Requirement:

- 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 multiple users .
- 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.
- Any personal or sensitive information collected as part of the program should be handled securely.

5. Use-Case Diagram

5.1 Admin:

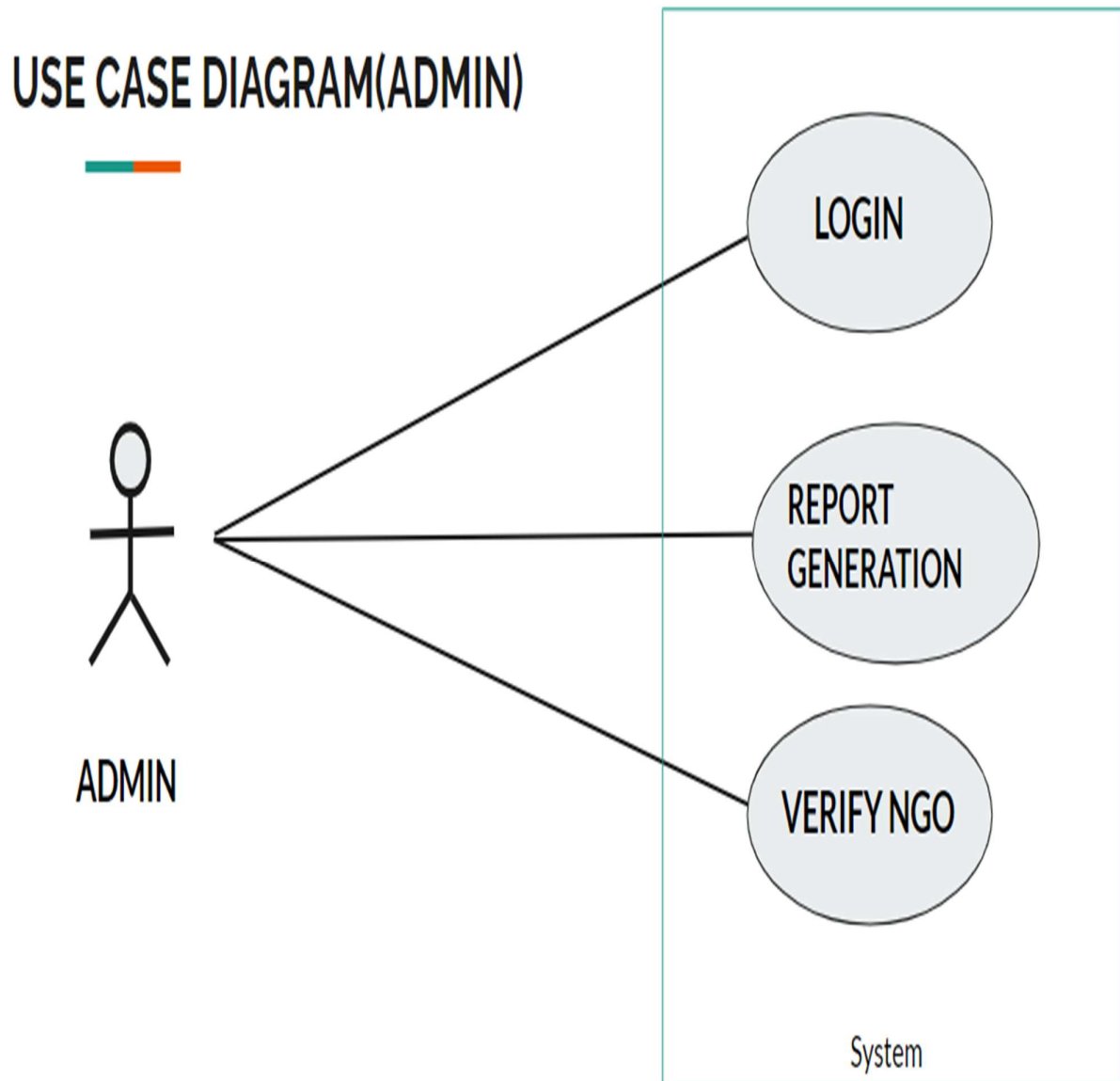


Fig. Use-Case Diagram for Admin

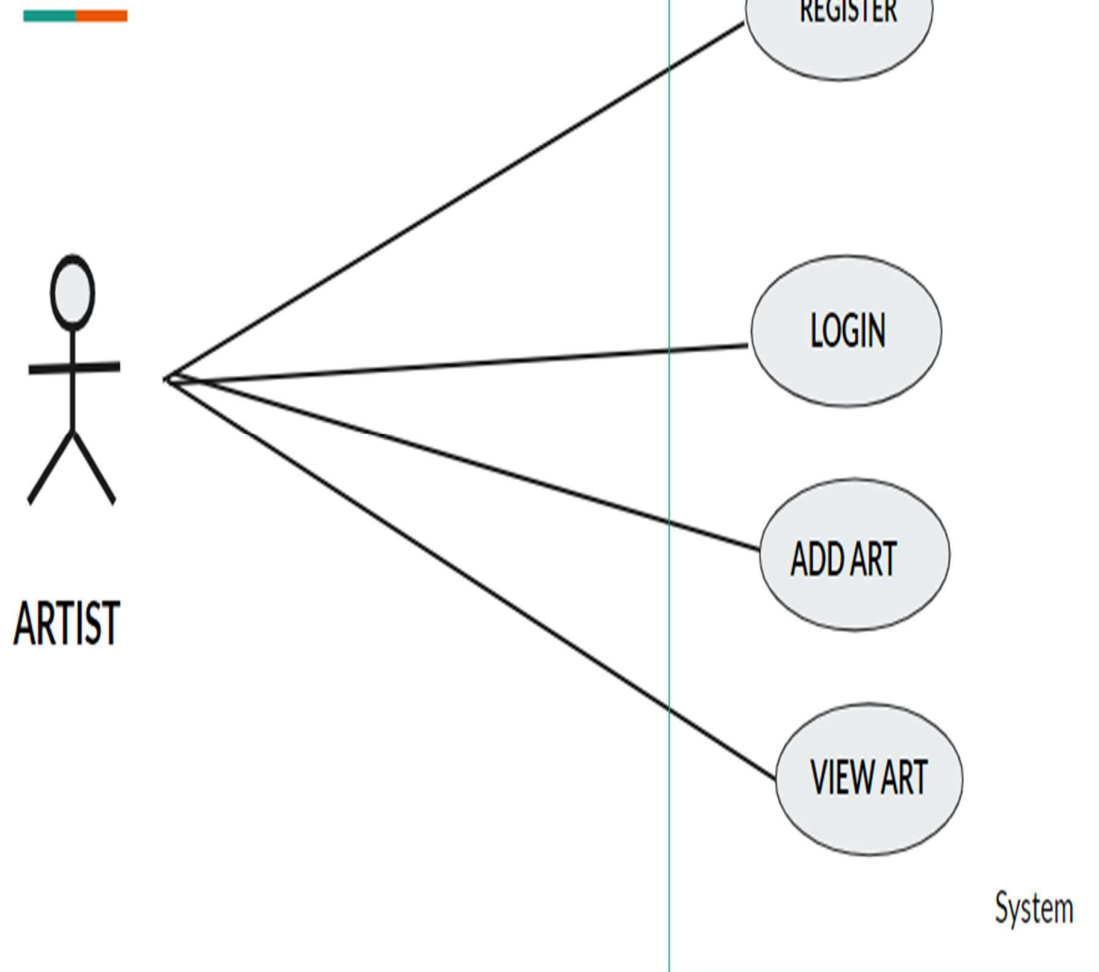
5.2Artist:**USE CASE DIAGRAM(ARTIST)**

Fig. Use-Case Diagram for Artist

5.3 Customers

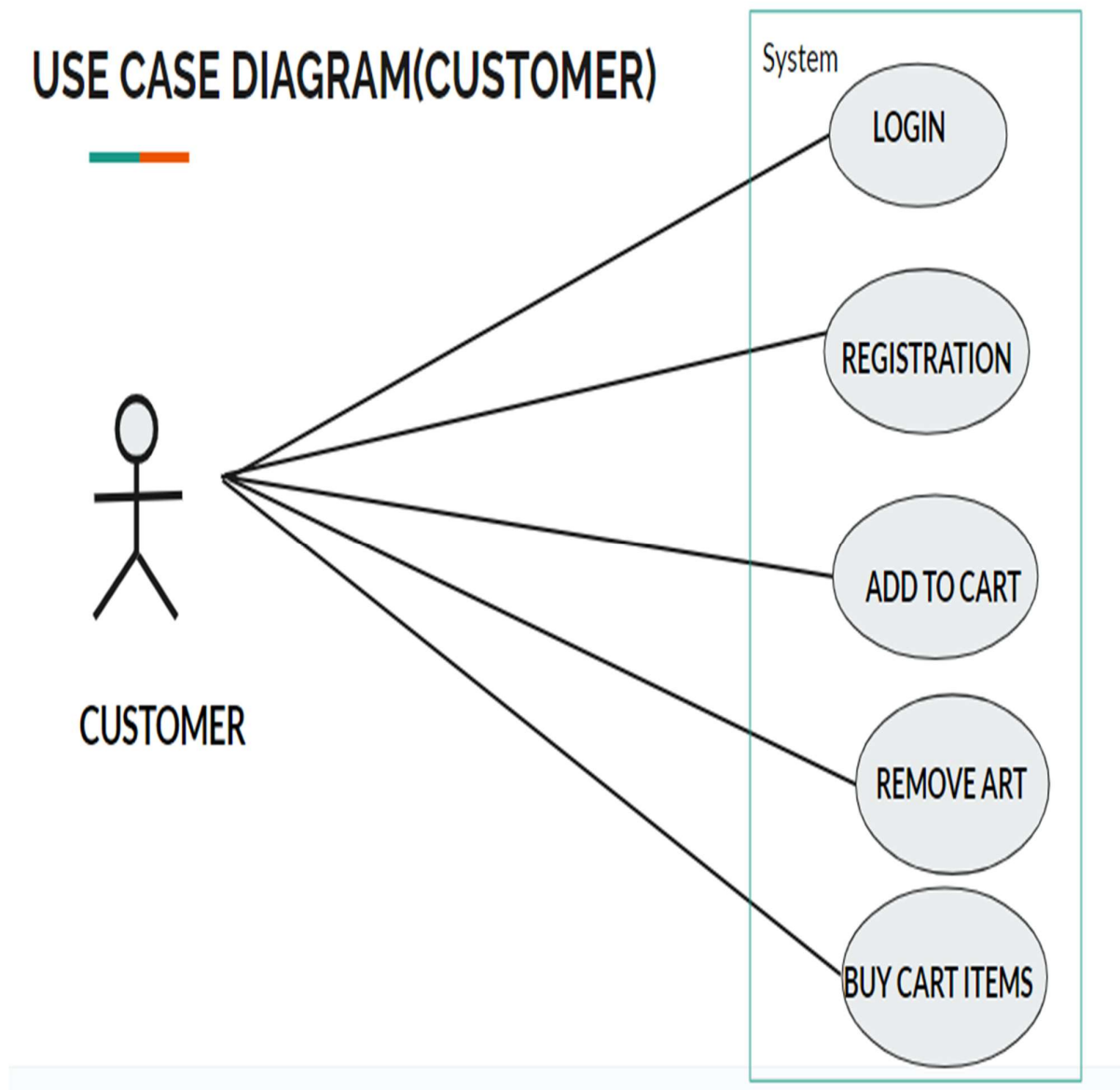


Fig. Use-Case Diagram for Customer

5.4 NGO

USE CASE DIAGRAM(NGO)

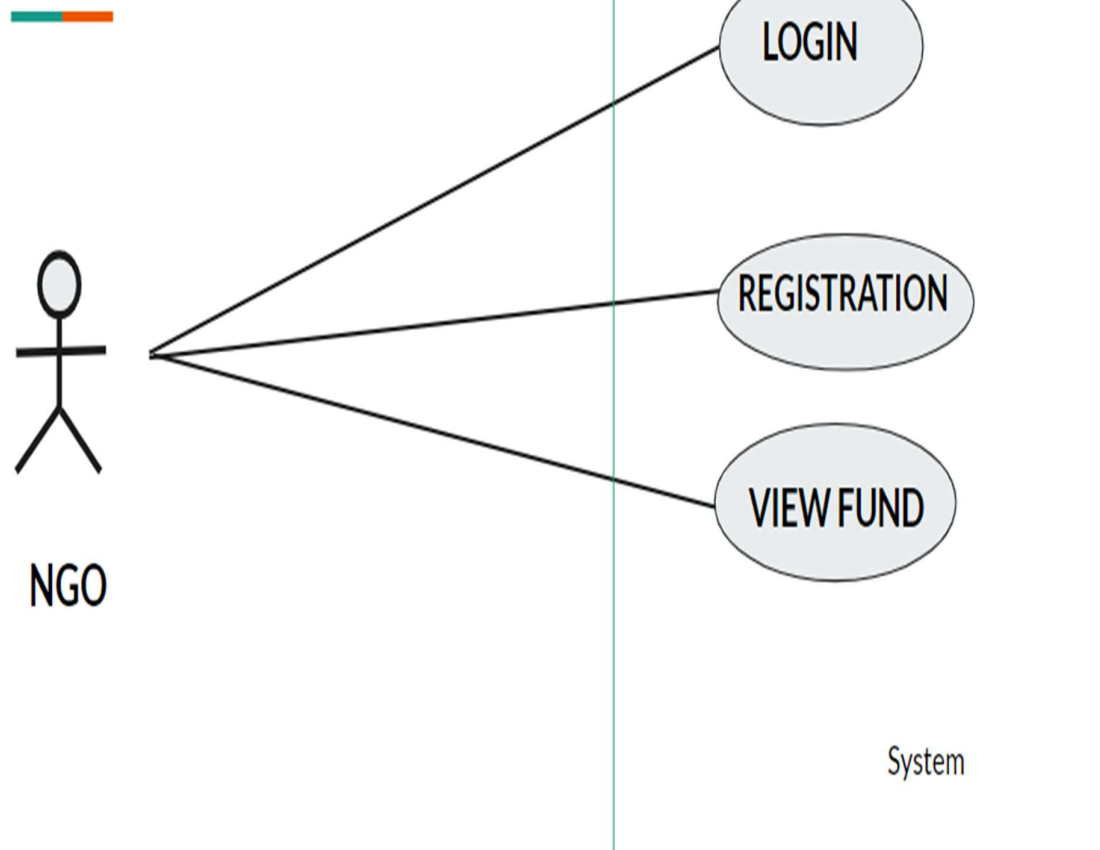


Fig. Use-Case Diagram for NGO

6. Database Design:

1. Role Table

Field	Type	Null	Key	Auto Increment	Description
role_id	INT	NO	PRIMARY KEY	YES	
role_name	VARCHAR(20)	NO	FOREIGN KEY	NO	

2. Questions Table

Field	Type	Null	Key	Auto Increment	Description
que_id	INT	NO	PRIMARY KEY	YES	
que_text	TEXT	NO		NO	

3. Users Table

Field	Type	Null	Key	Auto Increment	Description
user_id	INT	NO	PRIMARY KEY	YES	
user_name	VARCHAR(20)	NO		NO	
password	VARCHAR(20)	NO		NO	
email	VARCHAR(20)	NO		NO	
role_id	INT	NO	FOREIGN KEY	NO	
que_id	INT	NO	FOREIGN KEY	NO	
answer	TEXT	NO		NO	
approve	TINYINT(1)	NO		NO	

4. Customers Table

Field	Type	Null	Key	Auto Increment	Description
cust_id	INT	NO	PRIMARY KEY	YES	
user_id	INT	NO	FOREIGN KEY	NO	
fname	VARCHAR(50)	NO		NO	
lname	VARCHAR(50)	NO		NO	
area_id	INT	NO	FOREIGN KEY	NO	

5. Admin Table

Field	Type	Null	Key	Auto Increment	Description
admin_id	INT	NO	PRIMARY KEY	YES	
User_id	INT	NO	FOREIGN KEY	NO	
fname	VARCHAR(50)	NO		NO	
lname	VARCHAR(50)	NO		NO	

6. Artists Table

Field	Type	Null	Key	Auto Increment	Description
artist_id	INT	NO	PRIMARY KEY	YES	
user_id	INT	NO	FOREIGN KEY	NO	
fname	VARCHAR(50)	NO		NO	
lname	VARCHAR(50)	NO		NO	
area_id	INT	NO	FOREIGN KEY	NO	
address	VARCHAR(255)	YES		NO	
contact	VARCHAR(20)	NO	UNIQUE KEY	NO	
speciality	VARCHAR(100)	YES		NO	

7. NGO table

Field	Type	Null	Key	Auto Increment	Description
ngo_id	INT	NO	PRIMARY KEY	YES	
user_id	INT	NO	FOREIGN KEY	NO	
fname	VARCHAR(50)	NO		NO	
lname	VARCHAR(50)	YES		NO	
area_id	INT	NO	FOREIGN KEY	NO	
address	VARCHAR(255)	NO		NO	
contact	VARCHAR(20)	NO	UNIQUE KEY	NO	
certificate	BLOB	YES		NO	
account_no	VARCHAR(20)	YES	UNIQUE KEY	NO	

8. Categories Table

Field	Type	Null	Key	Auto Increment	Description
cat_id	INT	NO	PRIMARY KEY	YES	
cat_name	VARCHAR(50)	NO		NO	

9. Area Table

Field	Type	Null	Key	Auto Increment	Description
area_id	INT	NO	PRIMARY KEY	YES	
area_name	VARCHAR(100)	NO		NO	
city_id	INT	NO	FOREIGN	NO	

10. City Table

Field	Type	Null	Key	Auto Increment	Description
city_id	INT	NO	PRIMARY KEY	YES	
city_name	VARCHAR(50)	NO		NO	
state_id	INT	NO	FOREIGN KEY	NO	

11. State Table

Field	Type	Null	Key	Auto Increment	Description
state_id	INT	NO	PRIMARY KEY	YES	
state_name	VARCHAR(50)	NO		NO	

12. Arts table

Field	Type	Null	Key	Auto Increment	Description
art_id	INT	NO	PRIMARY KEY	YES	
artist_id	INT	NO	FOREIGN KEY	NO	
cat_id	INT	NO	FOREIGN KEY	NO	
price	DECIMAL(10,2)	NO		NO	
ngo_id	INT	NO	FOREIGN KEY	NO	
description	TEXT	YES		NO	
art_name	VARCHAR(50)	NO		NO	
status	VARCHAR(10)	NO		NO	
image	BLOB	NO		NO	

13. Orders Table

Field	Type	Null	Key	Auto Increment	Description
order_id	INT	NO	PRIMARY KEY	YES	
cust_id	INT	NO		NO	
amount	DECIMAL(10,2)	NO	FOREIGN KEY	NO	
date	DATE	NO		NO	

14. Order Details Table

Field	Type	Null	Key	Auto Increment	Description
od_id	INT	NO	PRIMARY KEY	YES	
order_id	INT	NO	FOREIGN KEY	NO	
art_id	INT	NO	FOREIGN KEY	NO	

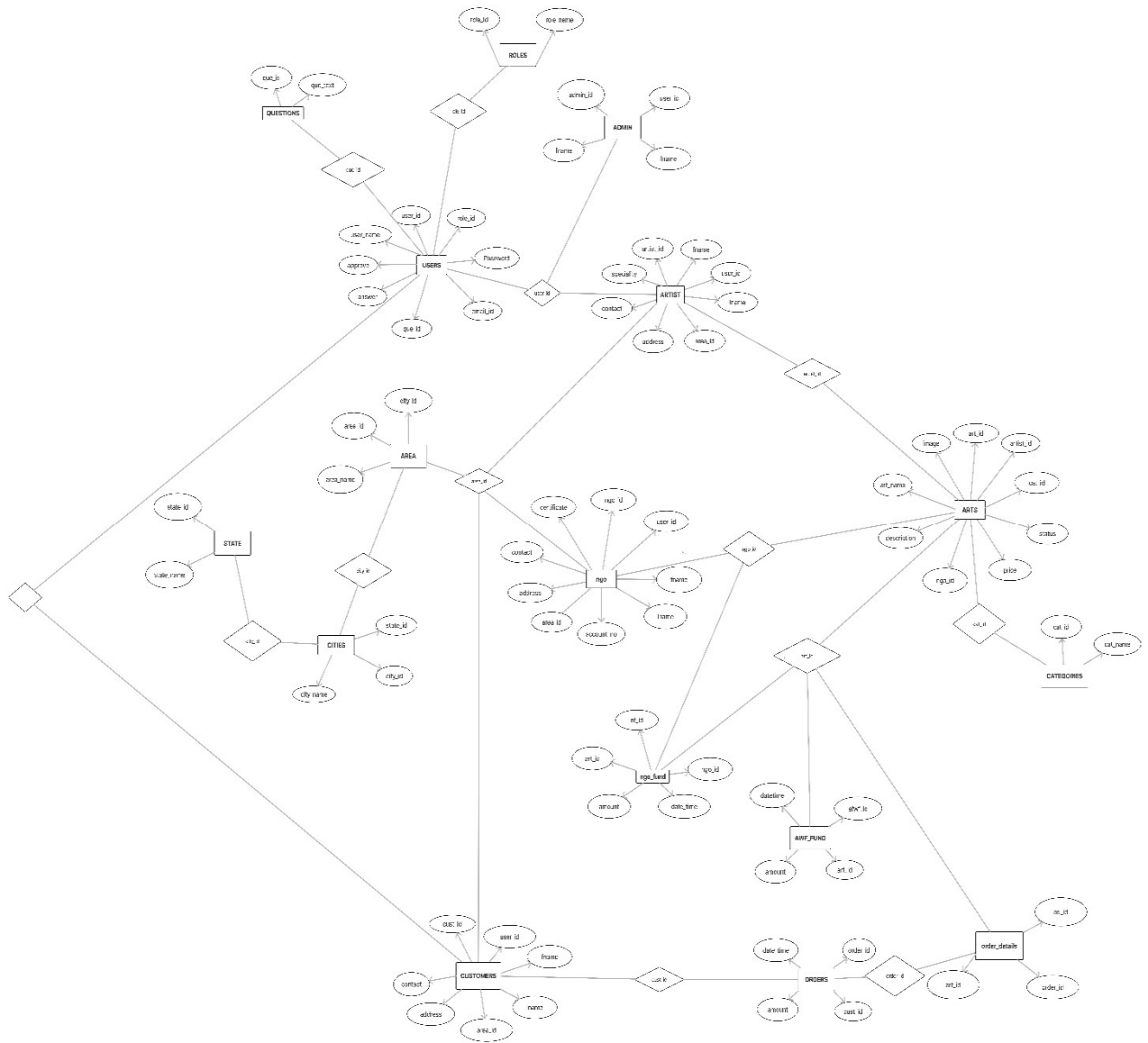
15. NGO Fund Table

Field	Type	Null	Key	Auto Increment	Description
nf_id	INT	NO	PRIMARY KEY	YES	
ngo_id	INT	NO	FOREIGN KEY	NO	
art_id	INT	NO	FOREIGN KEY	NO	
amount	DECIMAL(10,2)	NO		NO	
datetime	DATETIME	NO		NO	

16. AFW Fund Table

Field	Type	Null	Key	Auto Increment	Description
afwf_id	INT	NO	PRIMARY KEY	YES	
art_id	INT	NO	FOREIGN KEY	NO	
amount	DECIMAL(10,2)	NO		NO	
datetime	DATETIME	NO		NO	

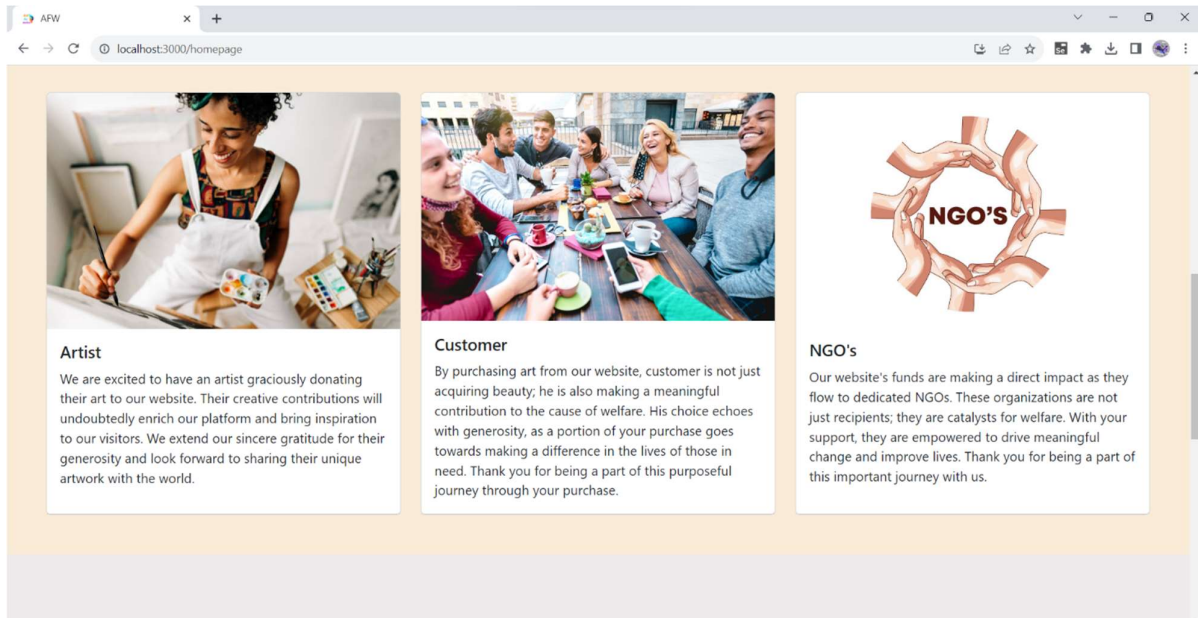
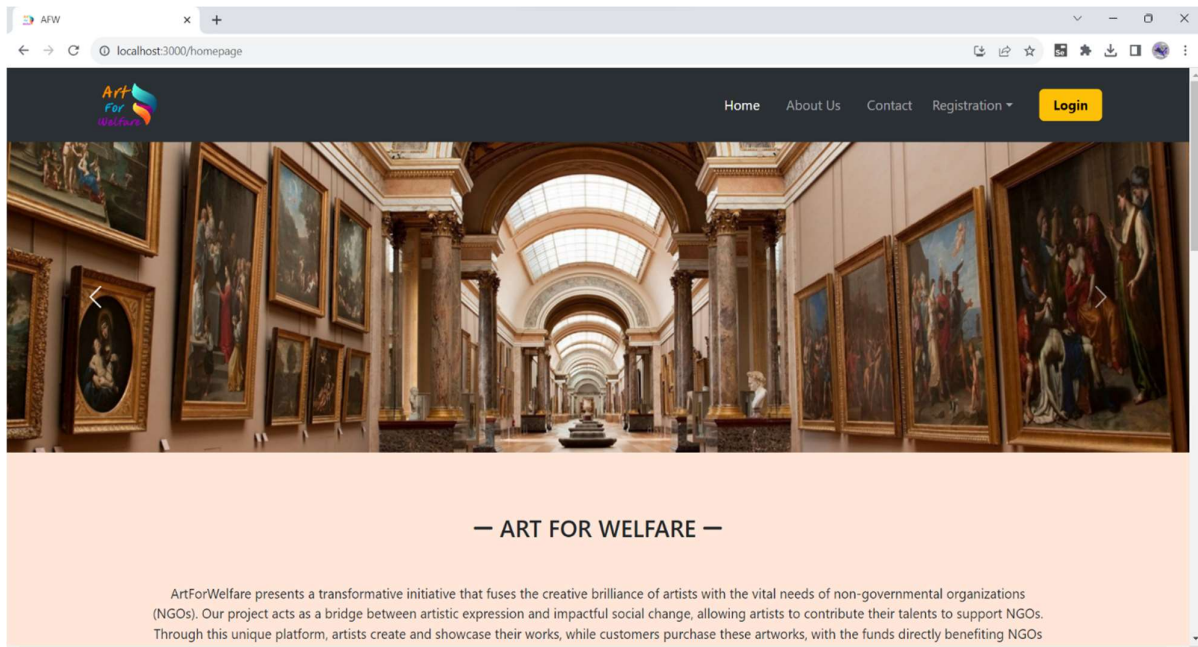
7. ER-Diagram:



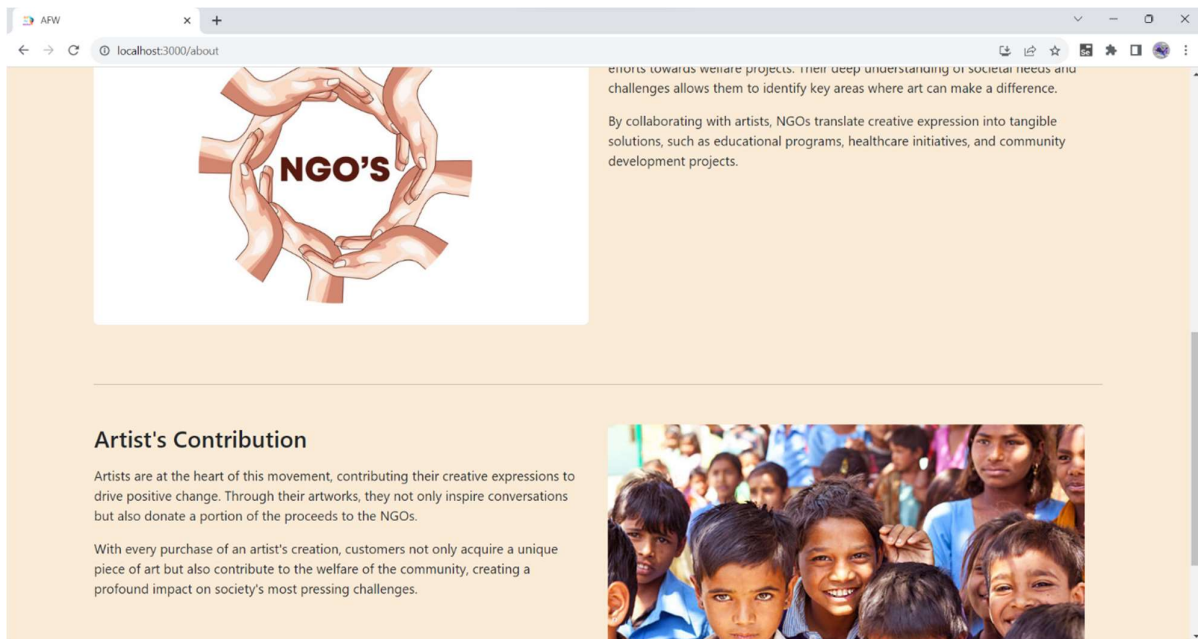
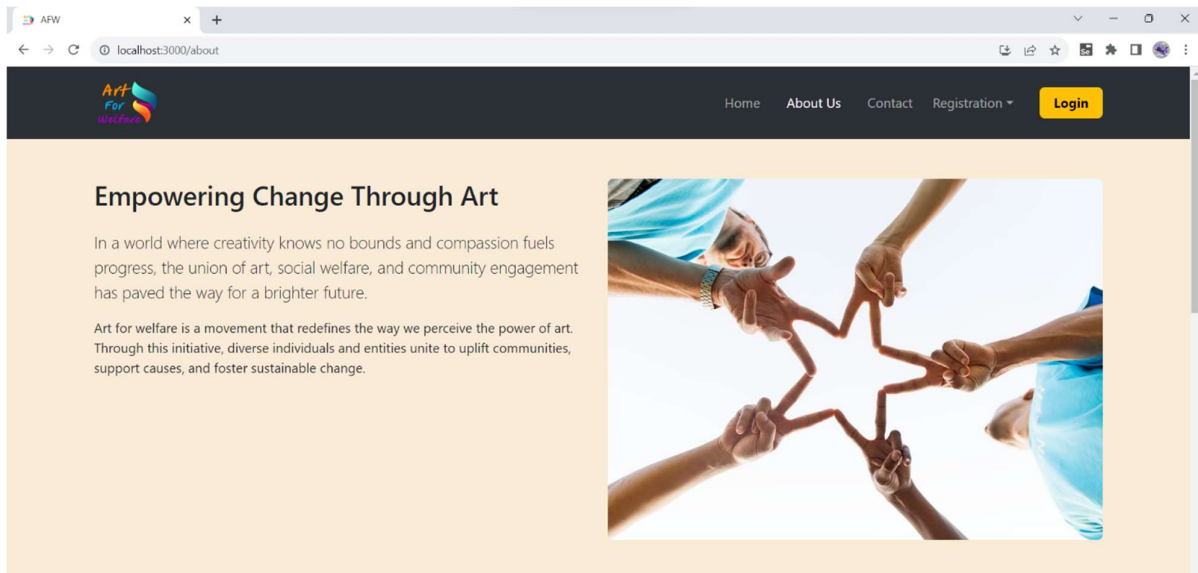
E-R diagram

8. Snapshots:

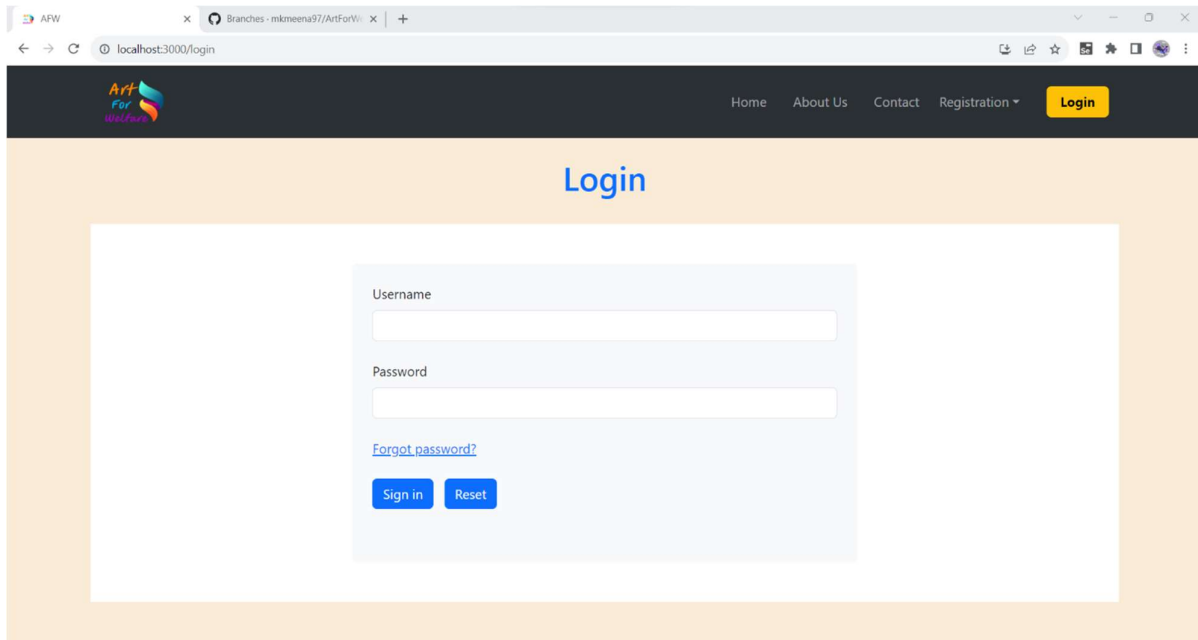
8.1 Home Page:



8.1.1 About us

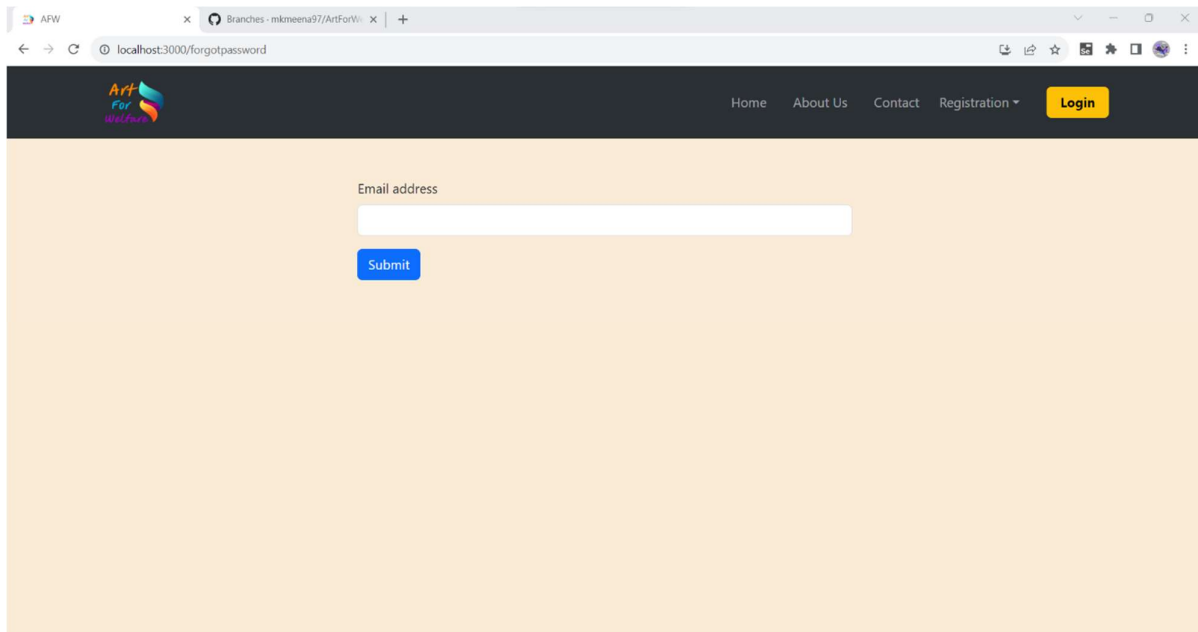


8.2 Login Page



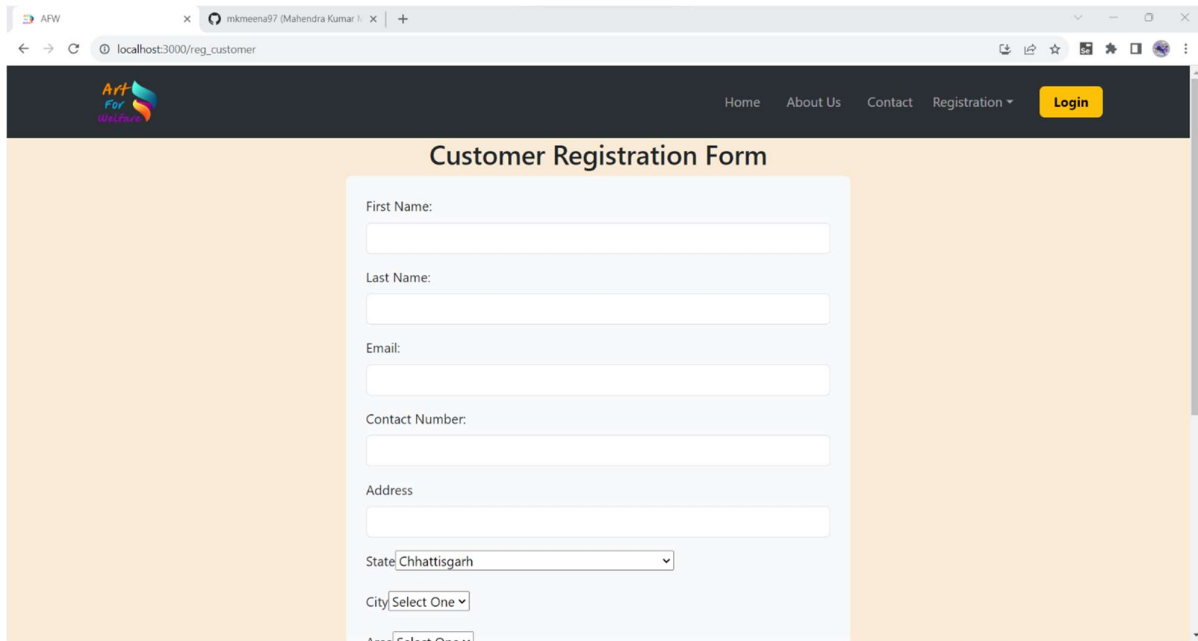
The screenshot shows a web browser window with the URL `localhost:3000/login`. The page has a dark header with the logo "Art For Welfare" on the left and navigation links "Home", "About Us", "Contact", "Registration", and a yellow "Login" button on the right. The main content area has a light orange background with the word "Login" in blue text. Below this, there is a white box containing a login form. The form has two input fields: "Username" and "Password". Below the "Password" field is a link "Forgot password?". At the bottom of the form are two buttons: "Sign in" and "Reset".

8.2.1 Forgot Password



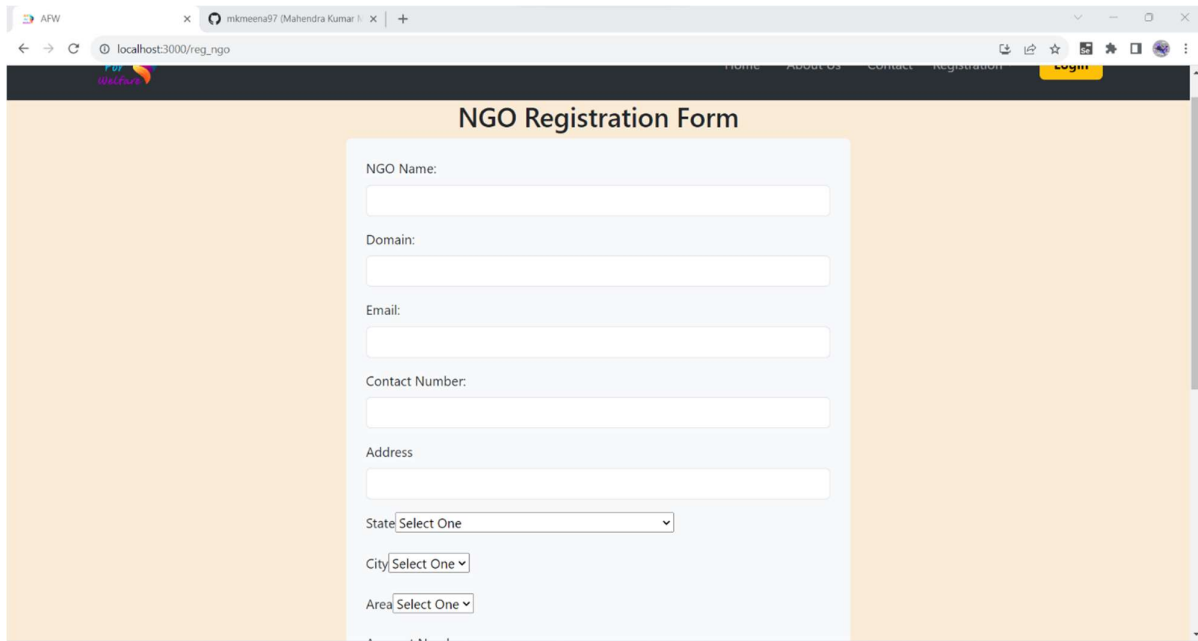
The screenshot shows a web browser window with the URL `localhost:3000/forgotpassword`. The page has the same dark header as the login page, with the logo "Art For Welfare" and navigation links "Home", "About Us", "Contact", "Registration", and a yellow "Login" button. The main content area has a light orange background. In the center, there is a white box containing a form with a single input field labeled "Email address". Below the input field is a blue "Submit" button.

8.3 Registration Page



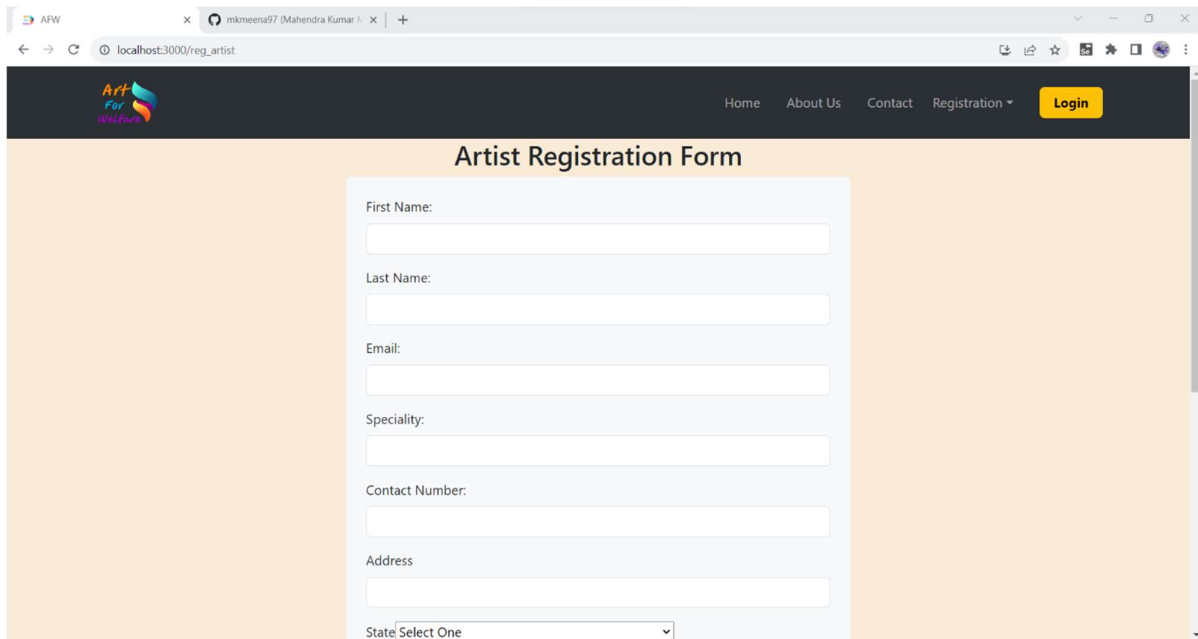
A screenshot of a web browser displaying the 'Customer Registration Form' at the URL 'localhost:3000/reg_customer'. The browser's address bar shows the URL, and the page title is 'Art For Welfare'. The form is titled 'Customer Registration Form' and is set against a light orange background. The form fields are as follows:

- First Name:
- Last Name:
- Email:
- Contact Number:
- Address:
- State:
- City:
- Area:



A screenshot of a web browser displaying the 'NGO Registration Form' at the URL 'localhost:3000/reg_ngo'. The browser's address bar shows the URL, and the page title is 'Art For Welfare'. The form is titled 'NGO Registration Form' and is set against a light orange background. The form fields are as follows:

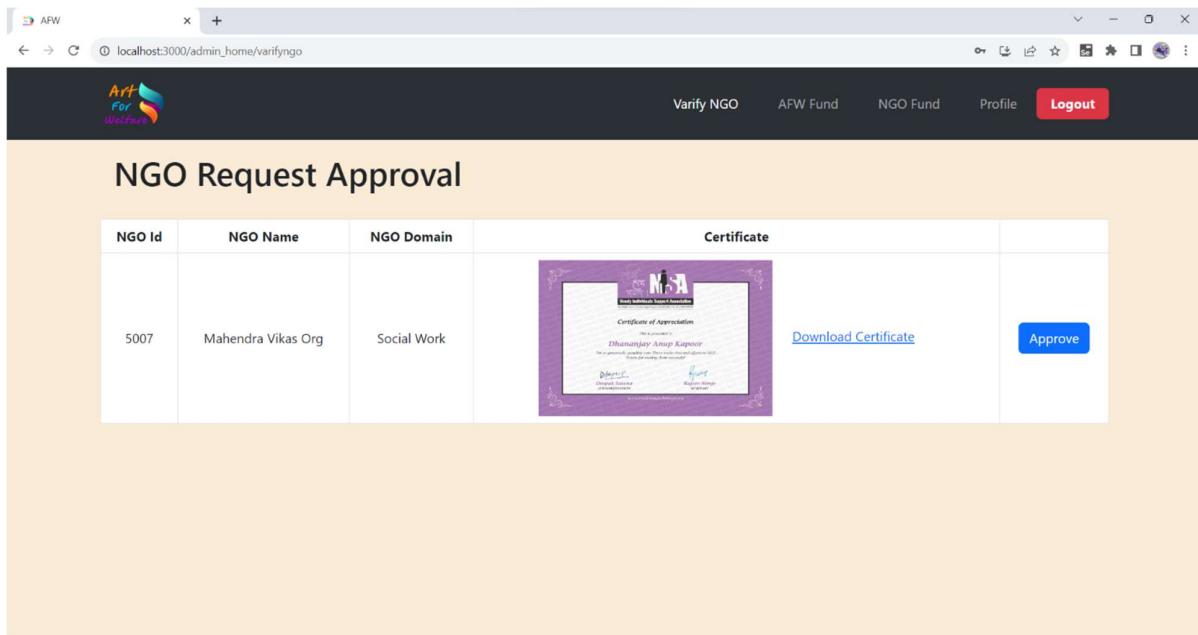
- NGO Name:
- Domain:
- Email:
- Contact Number:
- Address:
- State:
- City:
- Area:




The screenshot shows a web browser window with the URL `localhost:3000/reg_artist`. The page has a dark header with the 'Art For Welfare' logo on the left and navigation links 'Home', 'About Us', 'Contact', 'Registration', and a yellow 'Login' button on the right. The main content area is titled 'Artist Registration Form' and contains a light blue form with the following fields: 'First Name:', 'Last Name:', 'Email:', 'Speciality:', 'Contact Number:', 'Address', and a 'State' dropdown menu currently set to 'Select One'.

8.4 Admin Home Page

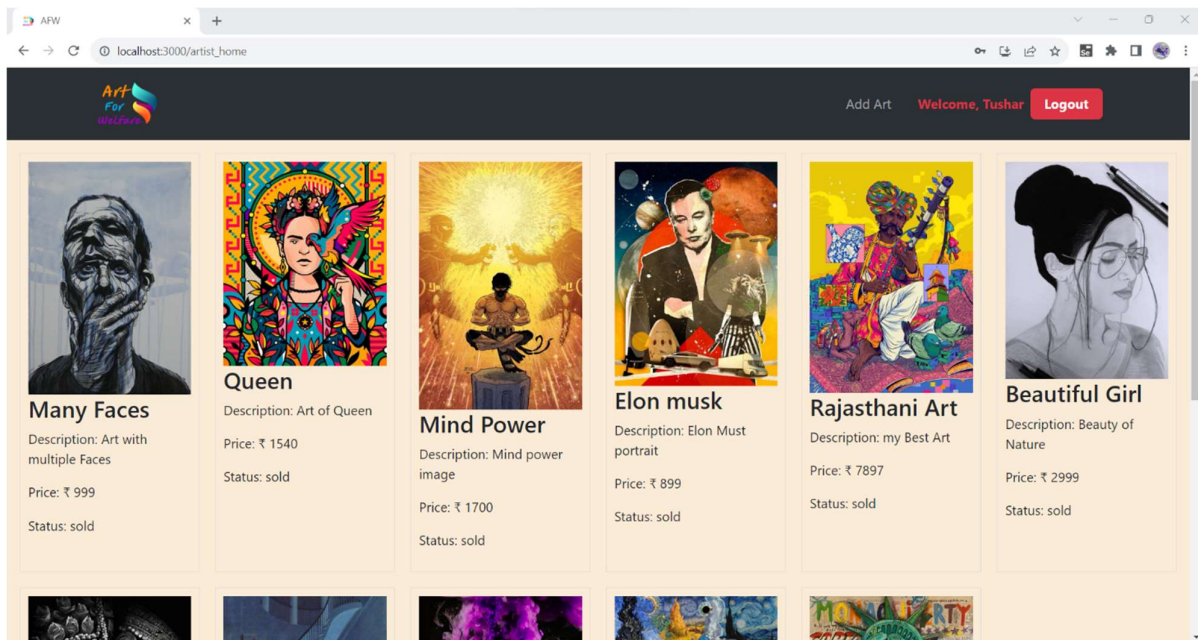
8.4.1 Admin Verify NGO



The screenshot shows a web browser window with the URL `localhost:3000/admin_home/verifyngo`. The page has a dark header with the 'Art For Welfare' logo on the left and navigation links 'Verify NGO', 'AFW Fund', 'NGO Fund', 'Profile', and a red 'Logout' button on the right. The main content area is titled 'NGO Request Approval' and contains a table with the following data:

NGO Id	NGO Name	NGO Domain	Certificate
5007	Mahendra Vikas Org	Social Work	<div>Download CertificateApprove</div>

8.5 Artist Home Page



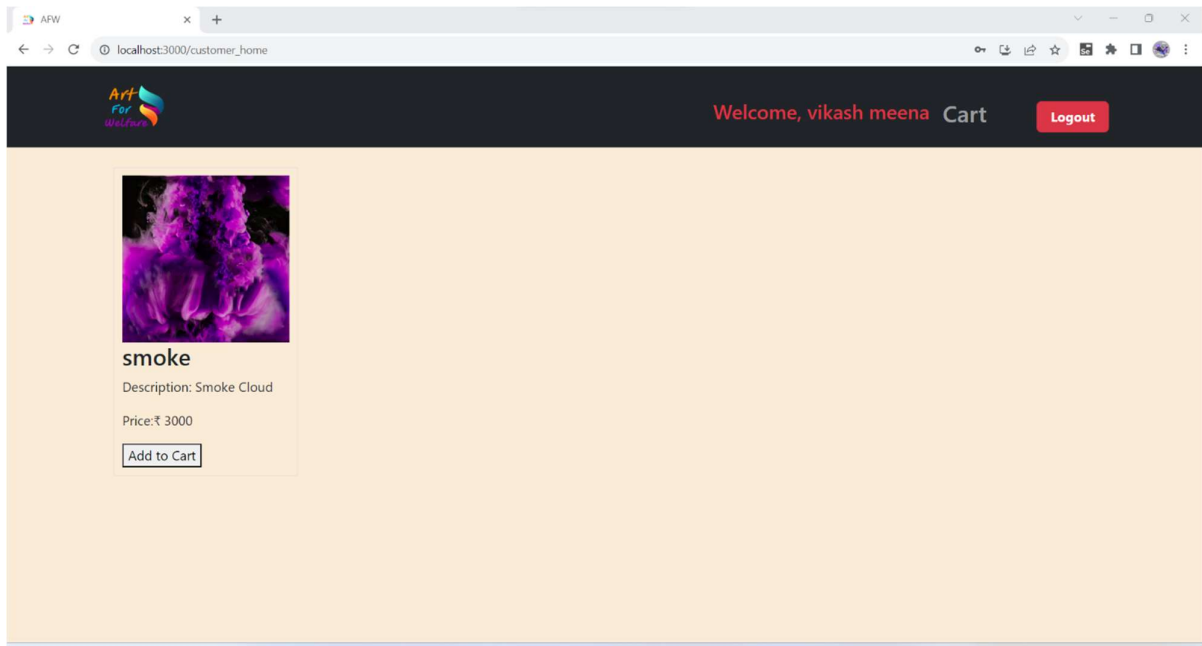
8.5.2 Add Art

The screenshot shows a web browser window with the URL `localhost:3000/addart`. The page features a dark header with the 'Art For Welfare' logo on the left, and 'Add Art' and a 'Logout' button on the right. The main content area is titled 'ADD ART' and contains a form with the following fields:

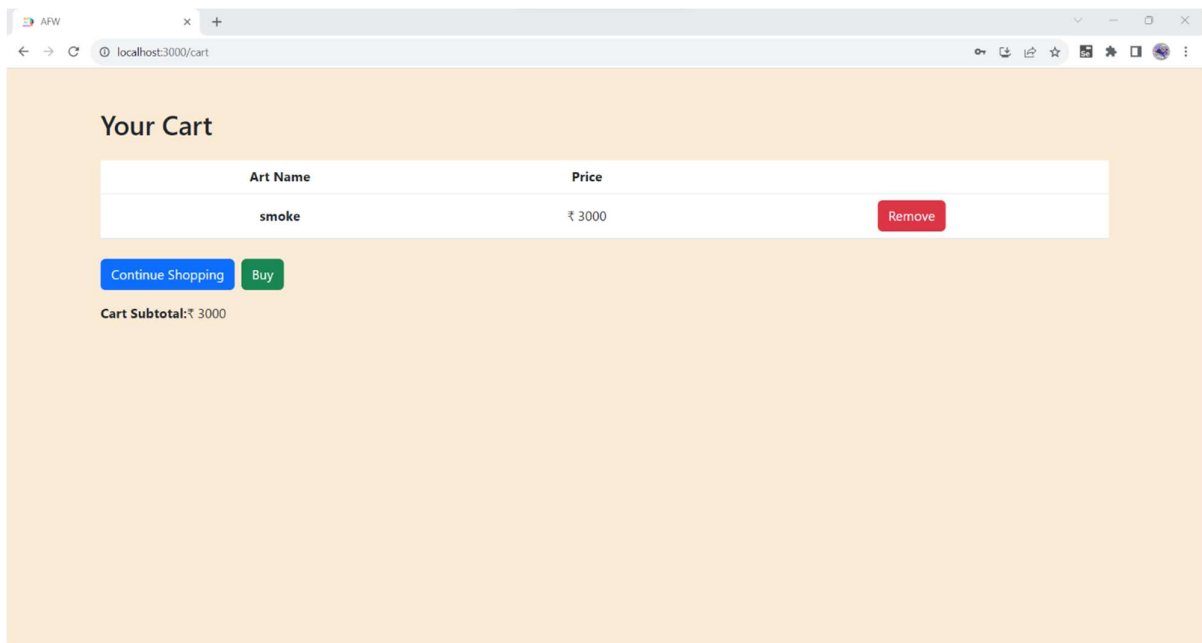
- Art Name:
- description:
- Price:
- Select Category:
- NGO:
- Art Image:

At the bottom of the form are two buttons: 'Submit' and 'Reset'.

8.6 Customer Home Page

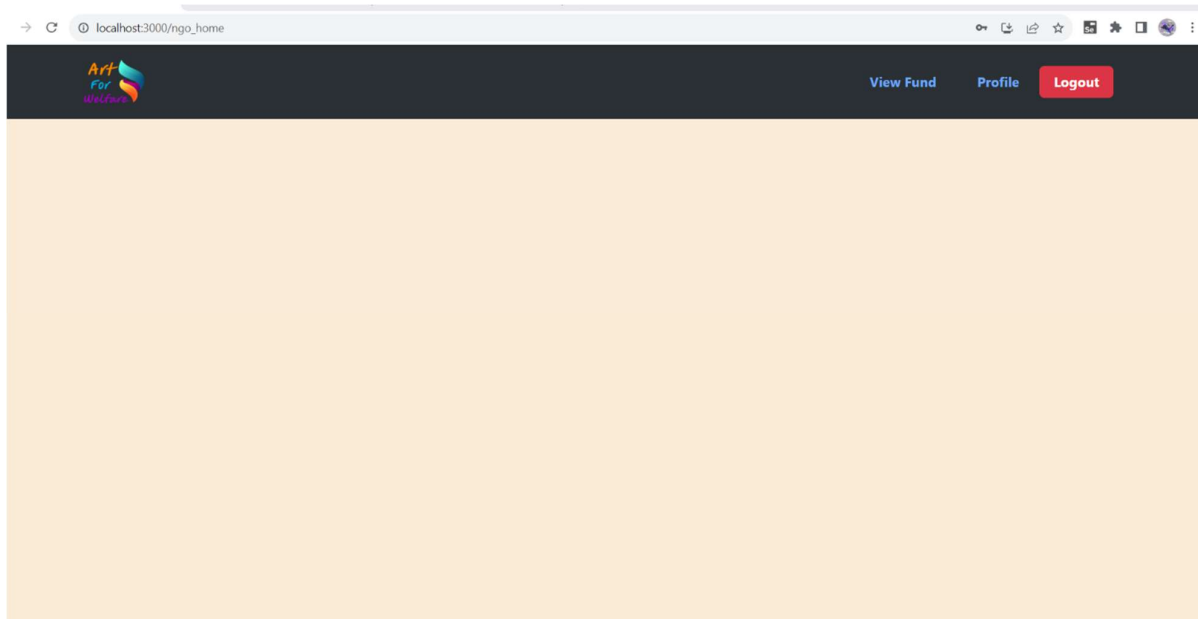


8.6.1 Cart

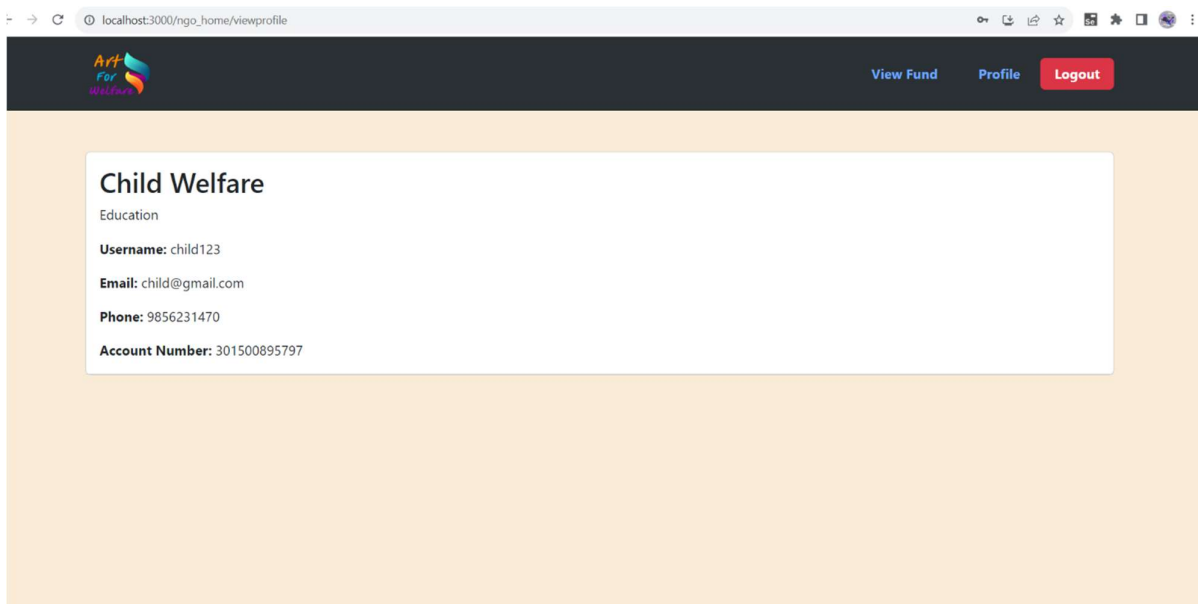


8.7 NGO Module

8.7.1 NGO Home



8.7.2 NGO Profile



8.7.3 NGO Fund

localhost:3000/ngo_home/ngofund

Art For Welfare

View Fund

Profile

Logout

Date & Time	Amount Received
2023-08-31T22:33:25	₹ 2099.3
Total	₹ 2099.3

8. CONCLUSION AND FUTURE SCOPE

The "Art for Welfare" initiative has been a success, using art to make a positive impact on education, mental health, community development, and culture. The collaboration of artists, volunteers, and supporters has been crucial.

In our project, we cultivated a robust spirit of teamwork marked by open communication, shared goals, mutual support, and respect for diversity, contributing significantly to our success.

Future Scope:

1. Scaling Up: Expand the initiative to help more people.
 2. Measuring Impact: Continuously assess the initiative's effects and improve strategies.
 3. Sustainability: Secure long-term funding and partnerships.
 4. Innovation: Explore new art forms and technologies.
 5. Advocacy: Promote art-based programs in education, healthcare, and social services.
 6. Community Engagement: Involve communities more deeply in art project.
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