

ART GALLERY

Submitted by

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A project report submitted to

Dr. Balasundaram A

SCOPE

In fulfilment of the requirements for the course of

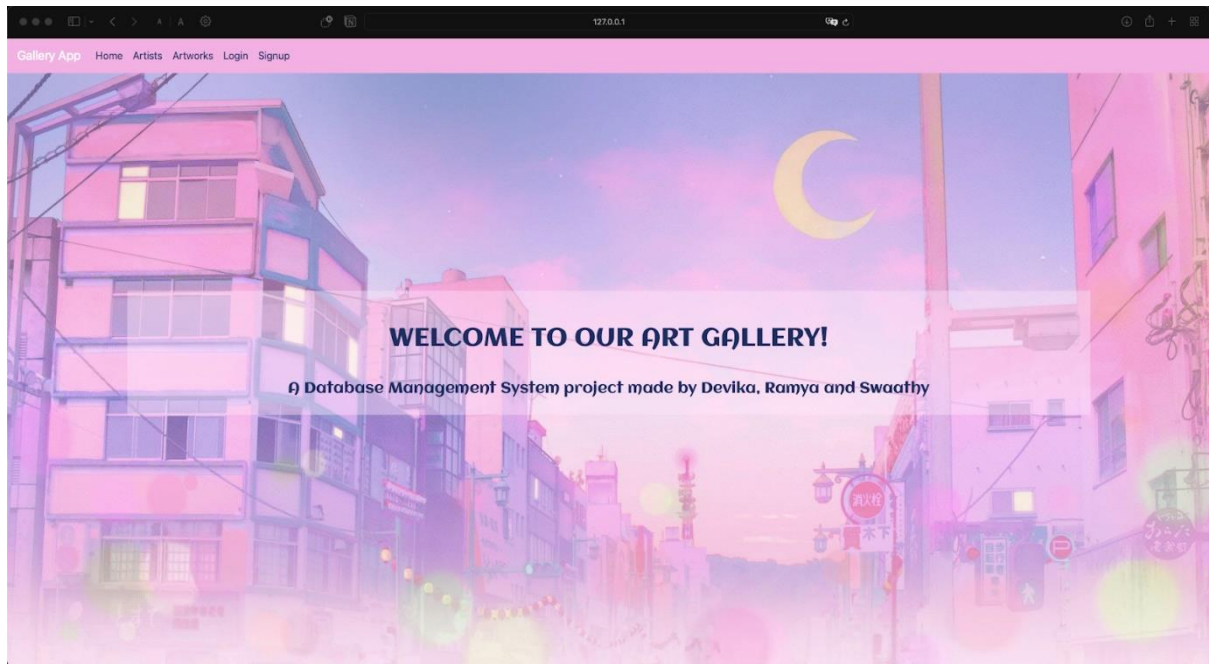
CSE2004 – Database Management Systems

In

**B.Tech Computer Science and Engineering with spl. in Artificial
Intelligence and Robotics**

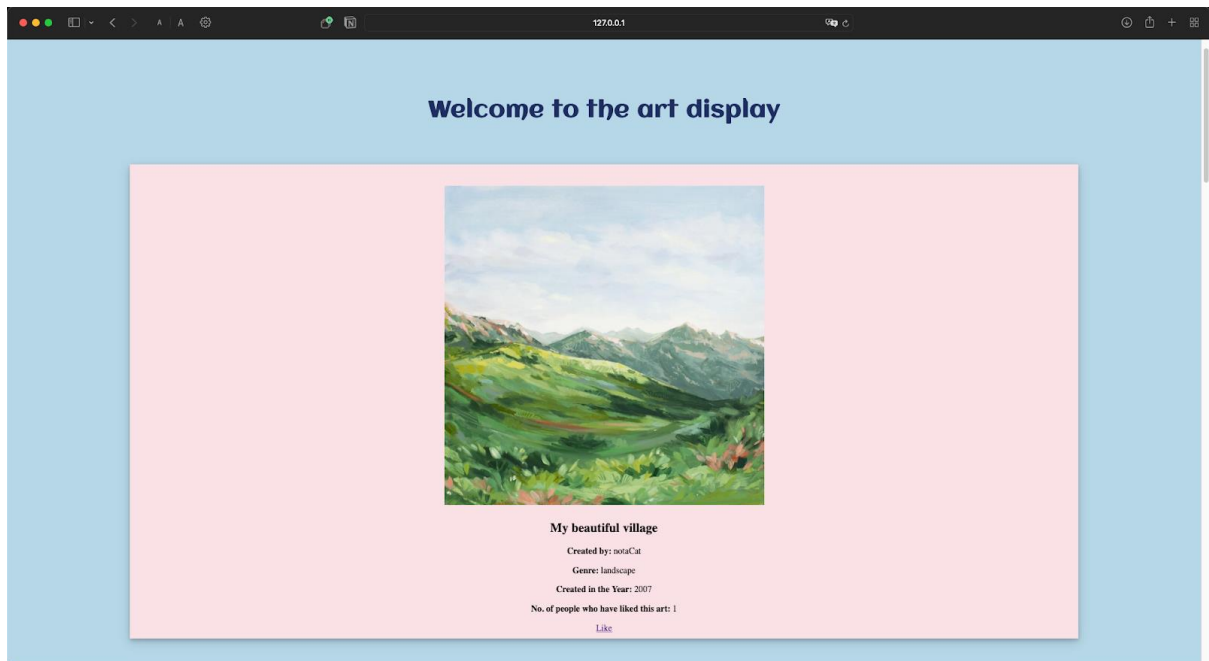
WEB PAGES:

Our Home Page:



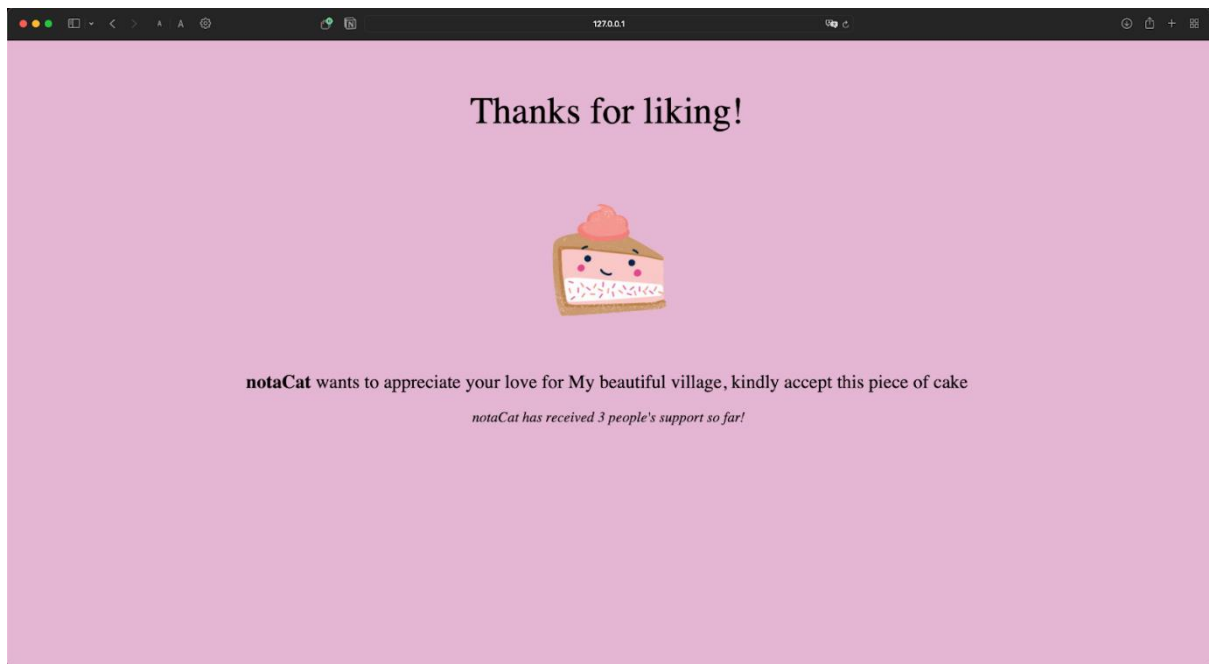
This is the webpage that will be viewed by the users once they enter our art gallery. It contains a navbar that helps them navigate to the other webpages.

Artworks Page:



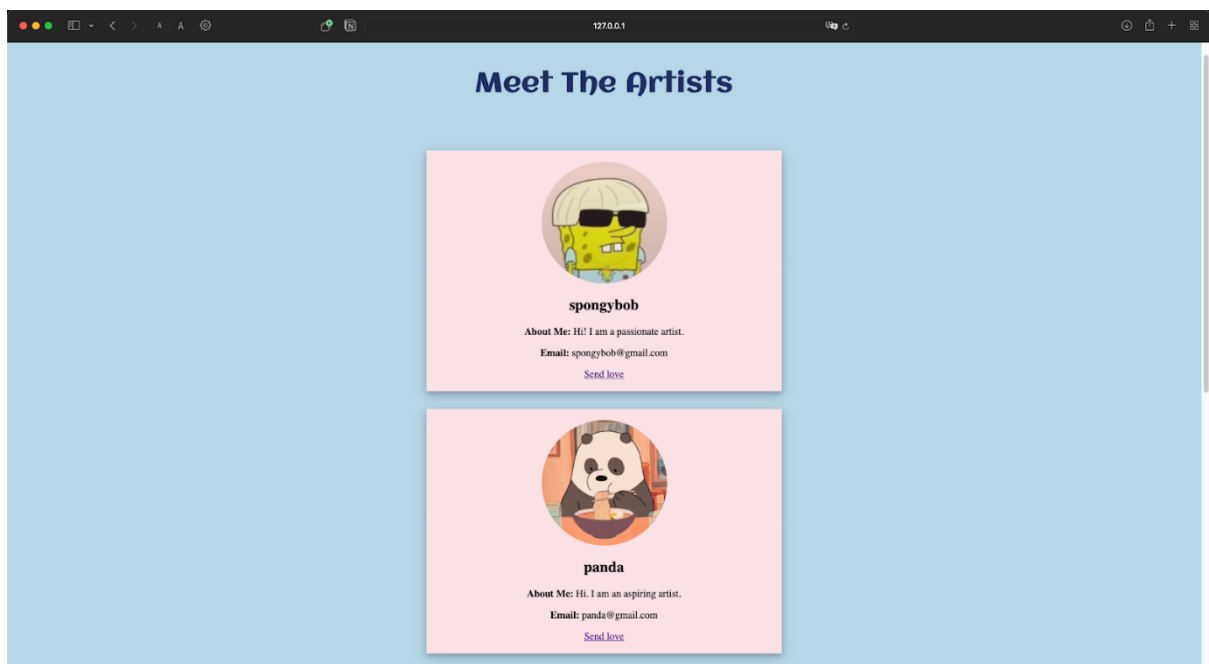
The webpage where the users view all the artworks uploaded by artists.

Appreciation Page:



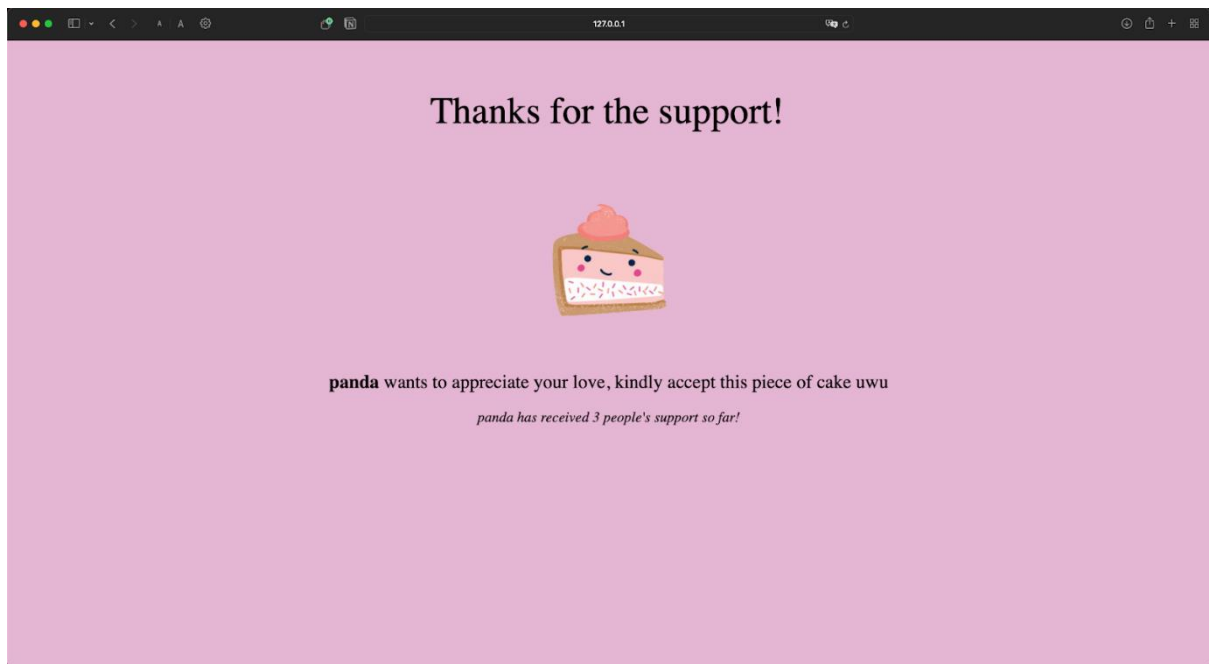
The webpage is displayed when a user likes an artwork.

Artists Page:



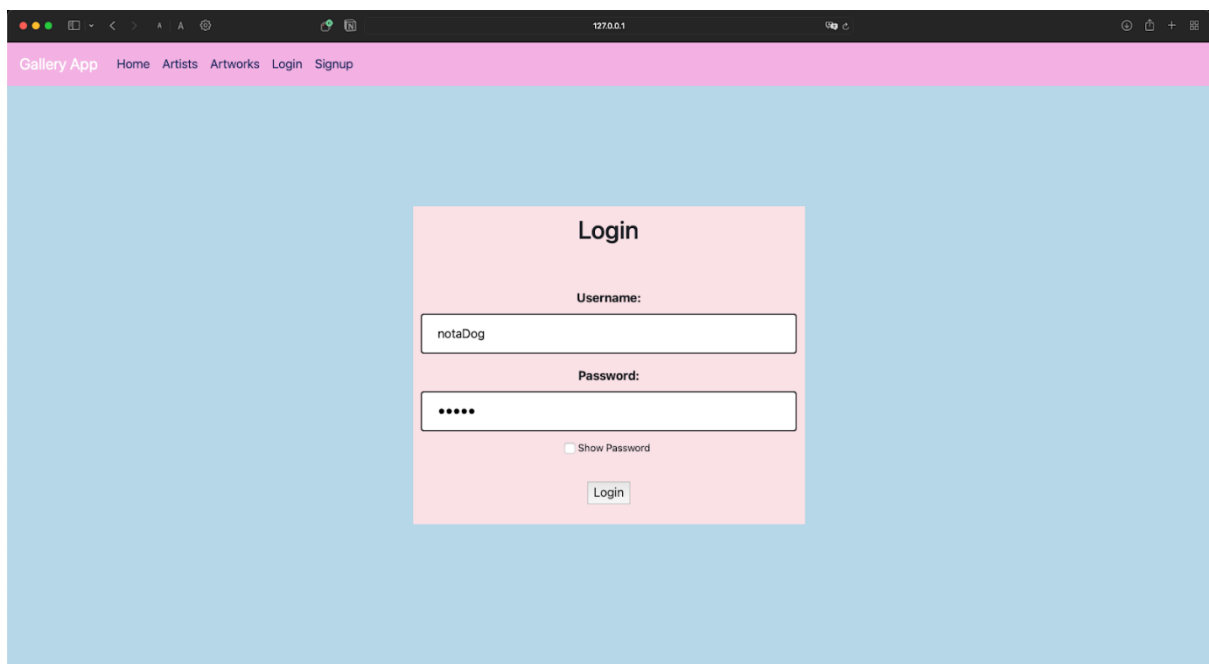
The webpage where users view all the artists registered.

Appreciation Page:



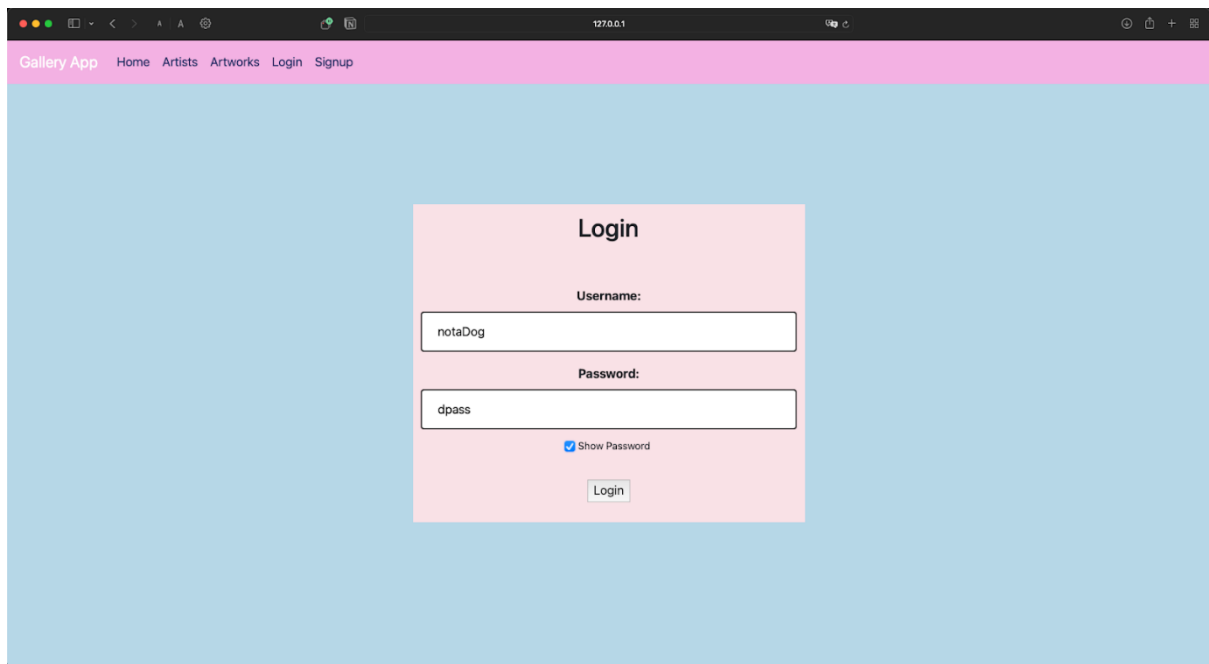
This webpage is displayed when the user sends love to an artist.

Login page:



For an artist or admin to log in

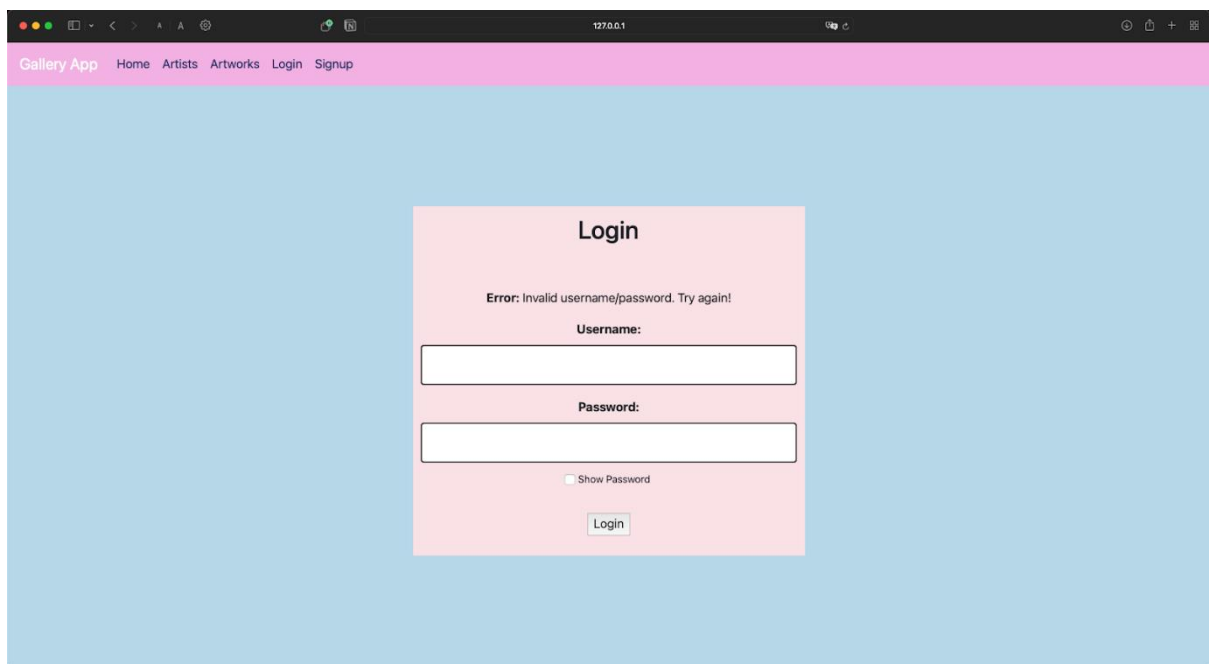
Login page with password shown



The screenshot shows a web browser window with a dark header bar containing navigation links: "Gallery App", "Home", "Artists", "Artworks", "Login", and "Signup". The main content area has a light blue background. In the center, there is a pink rectangular box titled "Login". Inside this box, the "Username:" field contains the text "notaDog". The "Password:" field contains the text "dpass". Below the password field, there is a checkbox labeled "Show Password" which is checked. At the bottom of the pink box is a "Login" button.

For an artist or admin to log in.

Login page with an error for an account that doesn't exist or with credentials



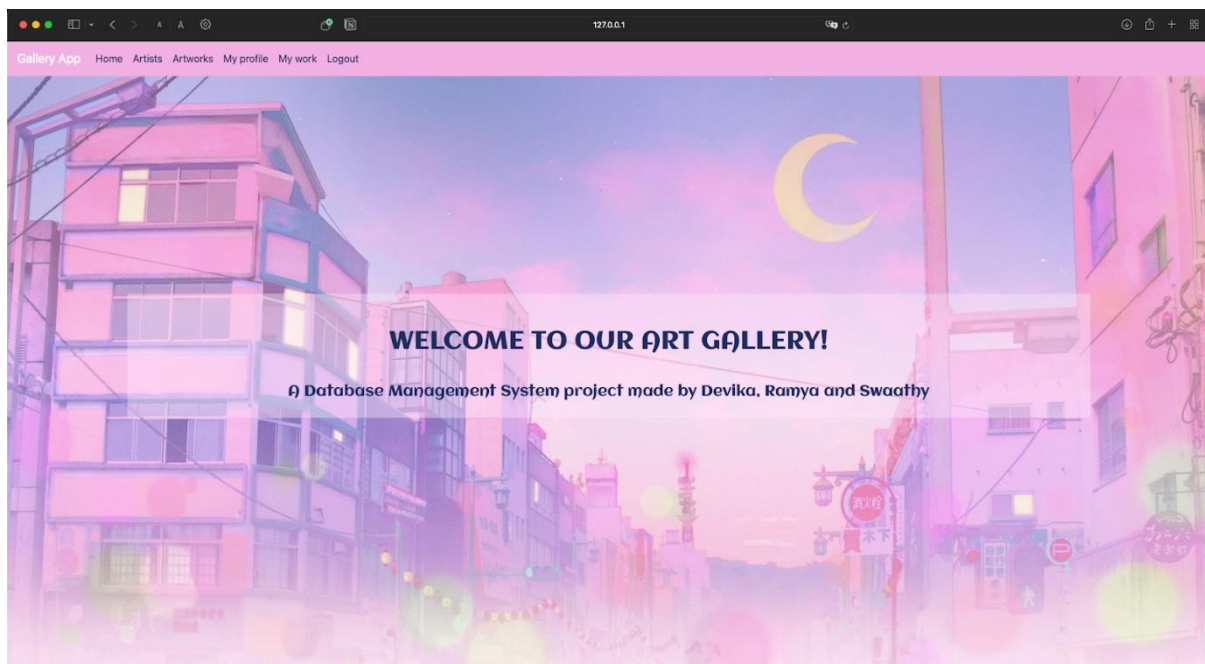
The screenshot shows the same web browser window as before, but with an error message displayed above the login fields: "Error: Invalid username/password. Try again!". The "Username:" field is now empty. The "Password:" field is also empty. The "Show Password" checkbox is now unchecked. The "Login" button remains at the bottom of the pink box.

Signup page:

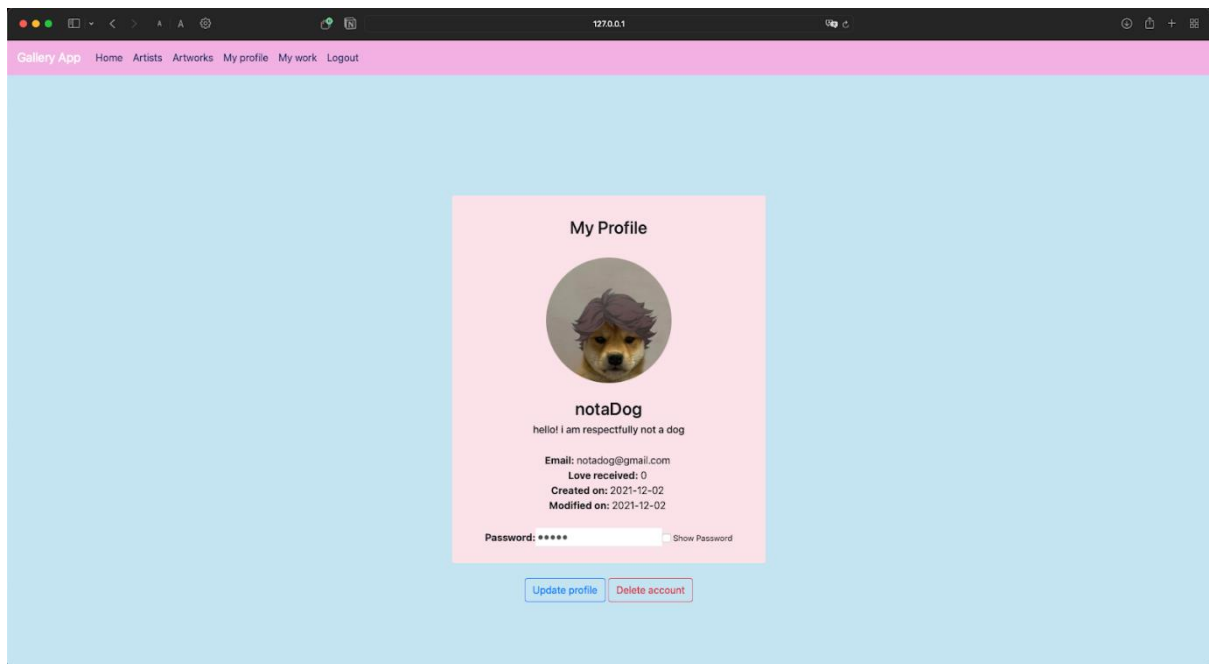
The screenshot shows the Signup page of the Gallery App. The page has a light blue background. At the top, there is a pink navigation bar with the following links: Gallery App, Home, Artists, Artworks, Login, and Signup. The main content area is a white card with a pink border. The card contains the following text and form elements:

- Greeting: "Hey beautiful artist!"
- Instruction: "Let's create a new profile for you! Enter your details below:"
- Username field: Labeled "Username:", containing the text "notaDog".
- Password field: Labeled "Password:", containing six dots. Below it is a checkbox labeled "Show Password".
- Email ID field: Labeled "Email ID:", containing the text "notadog@gmail.com".
- About field: Labeled "About:", containing the text "hello! i am respectfully not a dog".
- Profile Picture upload section: Labeled "Upload your Profile Picture:", with a "Choose File" button and the filename "dog_pfp.jpg".
- Submit button: A button labeled "submit".

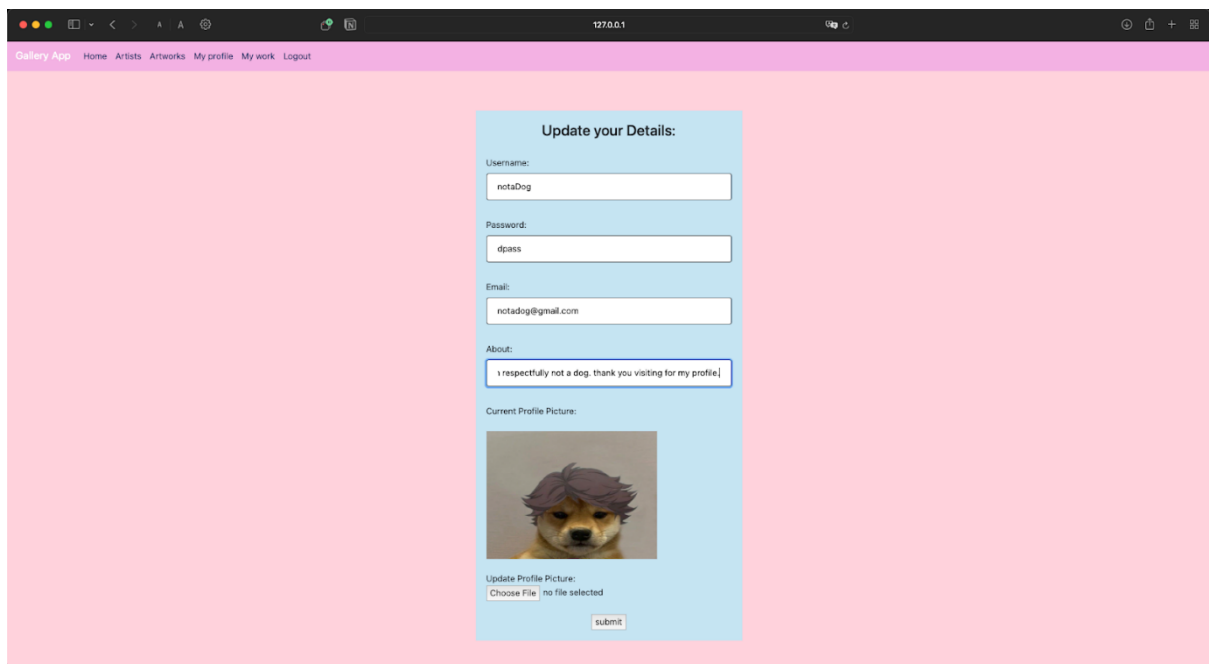
Home page after signing up as an Artist:



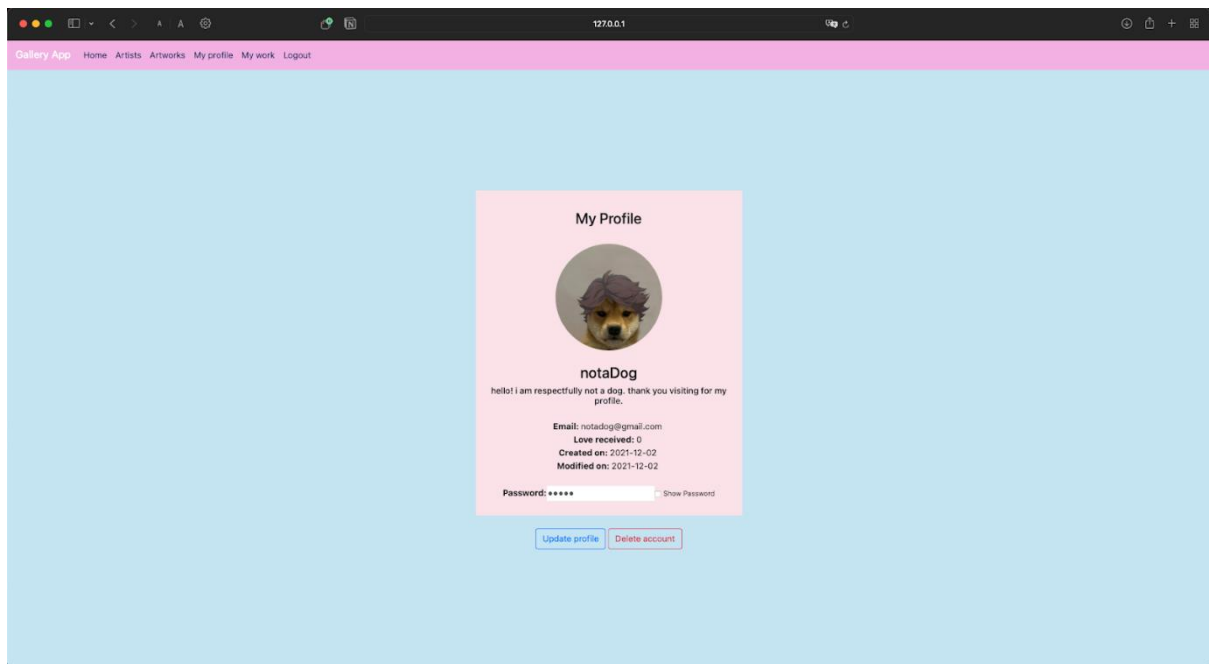
Artist's Profile:



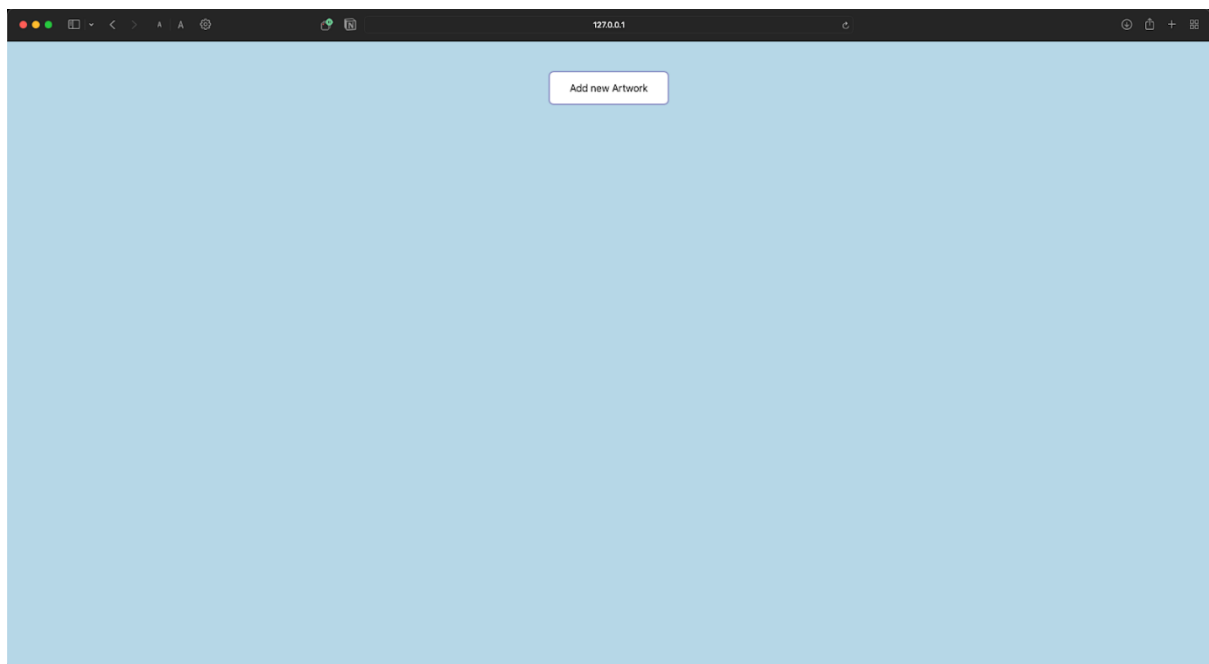
Updating the Artist's Profile:



Updated Artist's Profile:



Artist's work

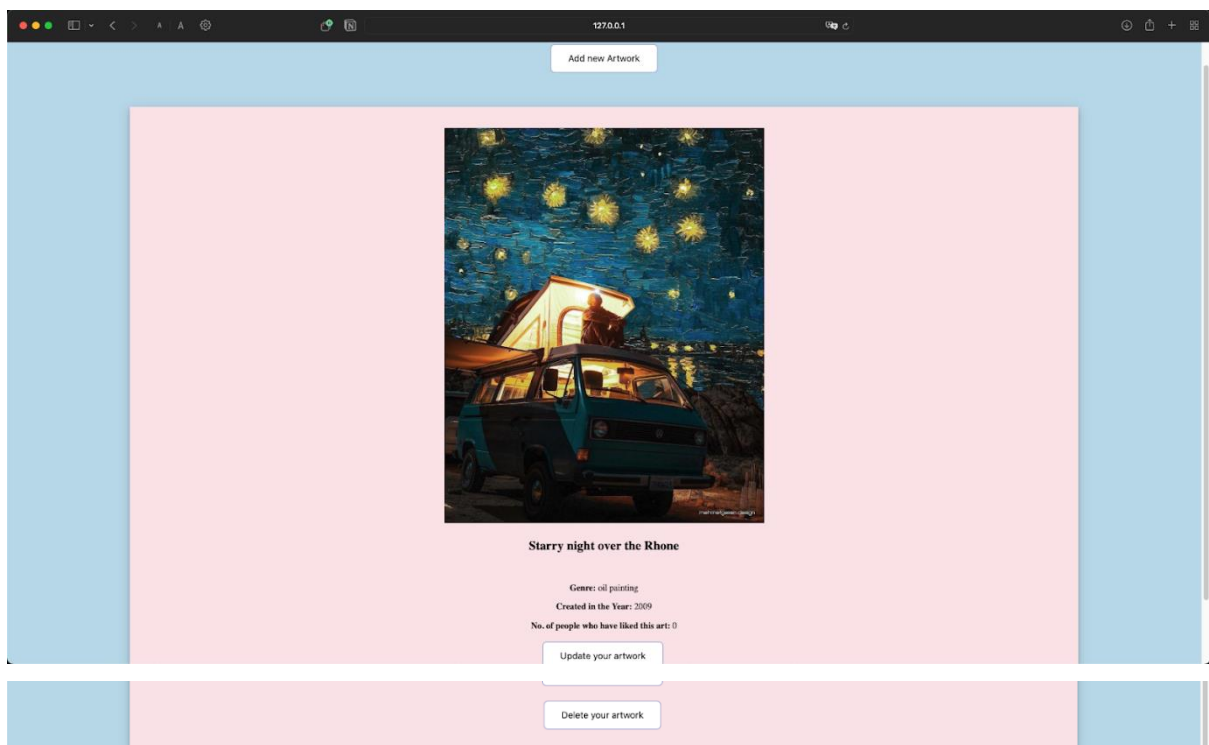


Adding artwork:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1'. The browser's address bar and tabs are visible at the top. The page has a pink header with the text 'Gallery App' and navigation links: 'Home', 'Artists', 'Artworks', 'My profile', 'My work', and 'Logout'. The main content area is light blue. In the center, there is a pink form titled 'Enter your Artwork's Details:'. The form contains the following fields and options:

- Title:** A text input field containing 'Starry night over the Rhone'.
- Choose a genre for your artwork:** A dropdown menu with 'oil painting' selected and a blue plus icon to its right.
- Year:** A text input field containing '2009'.
- Upload your creation:** A section with a 'Choose File' button and the filename 'Starry Night O... The Rhone.jpg'.
- Submit:** A button at the bottom of the form.

Viewing their added artwork:



Updating the added artwork:

Gallery App

Home

Artists

Artworks

My profile

My work

Logout

127.0.0.1

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Update artwork details:

Title:

Starry night over the Rhone


Choose a genre for your artwork:

oil painting

Year:

2010

Current image:



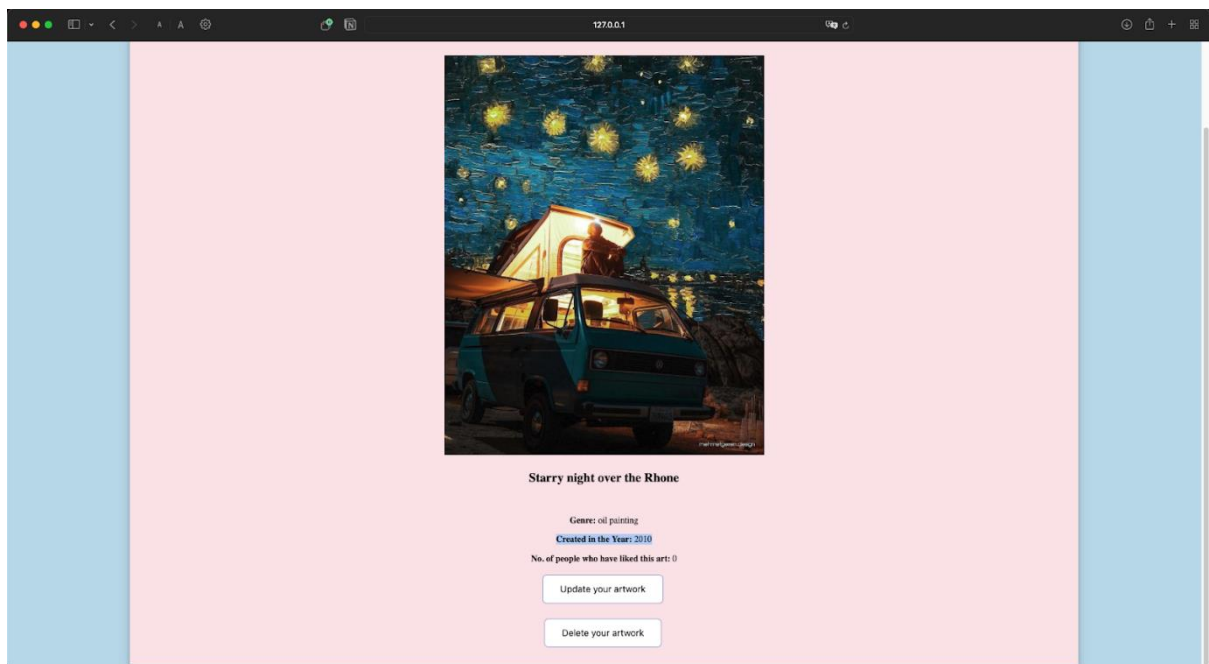
Update image:

Choose File

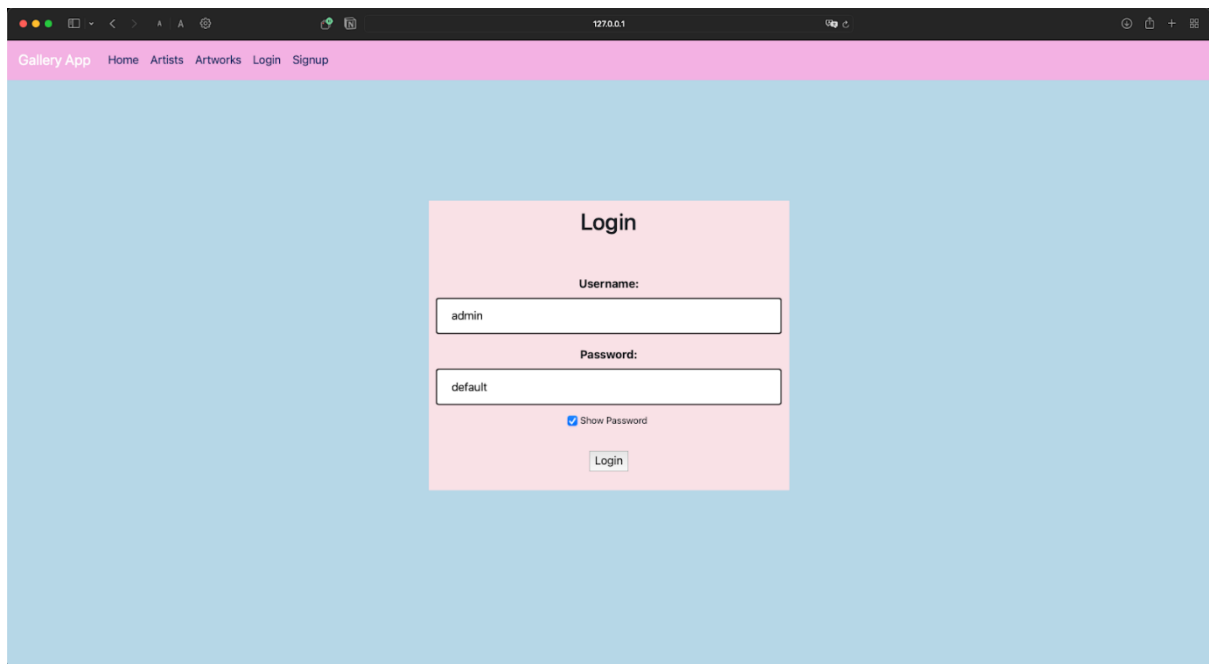
 | no file selected

Submit

Updated artwork:

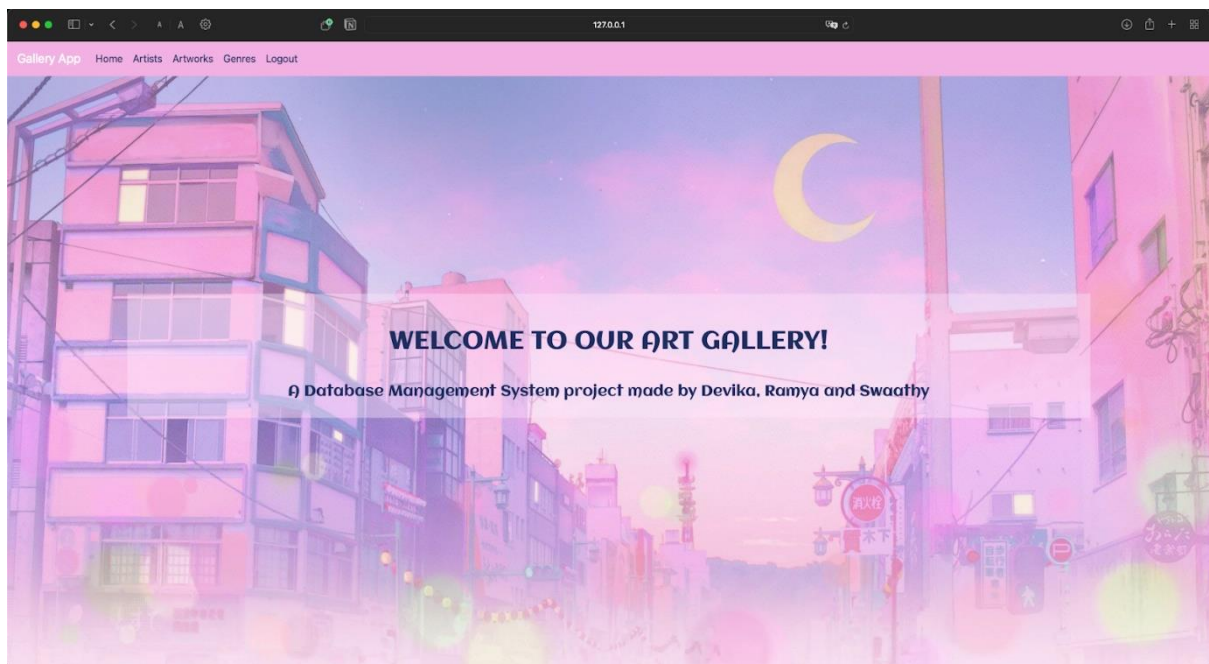


Logging in as *admin*:



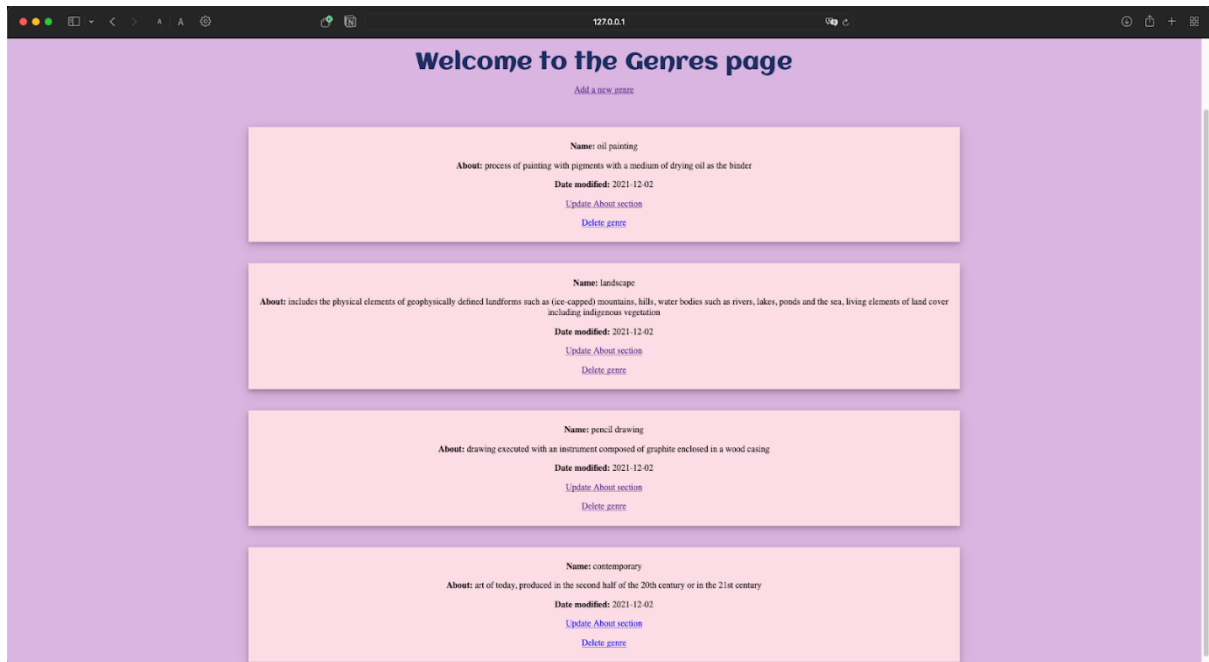
A screenshot of a web browser displaying the login page of a 'Gallery App'. The browser's address bar shows '127.0.0.1'. The navigation bar at the top includes links for 'Gallery App', 'Home', 'Artists', 'Artworks', 'Login', and 'Signup'. The main content area has a light blue background. In the center, there is a white login form with a pink border. The form is titled 'Login' and contains two input fields: 'Username:' with the value 'admin' and 'Password:' with the value 'default'. Below the password field is a checkbox labeled 'Show Password' which is checked. At the bottom of the form is a 'Login' button.

Home page:

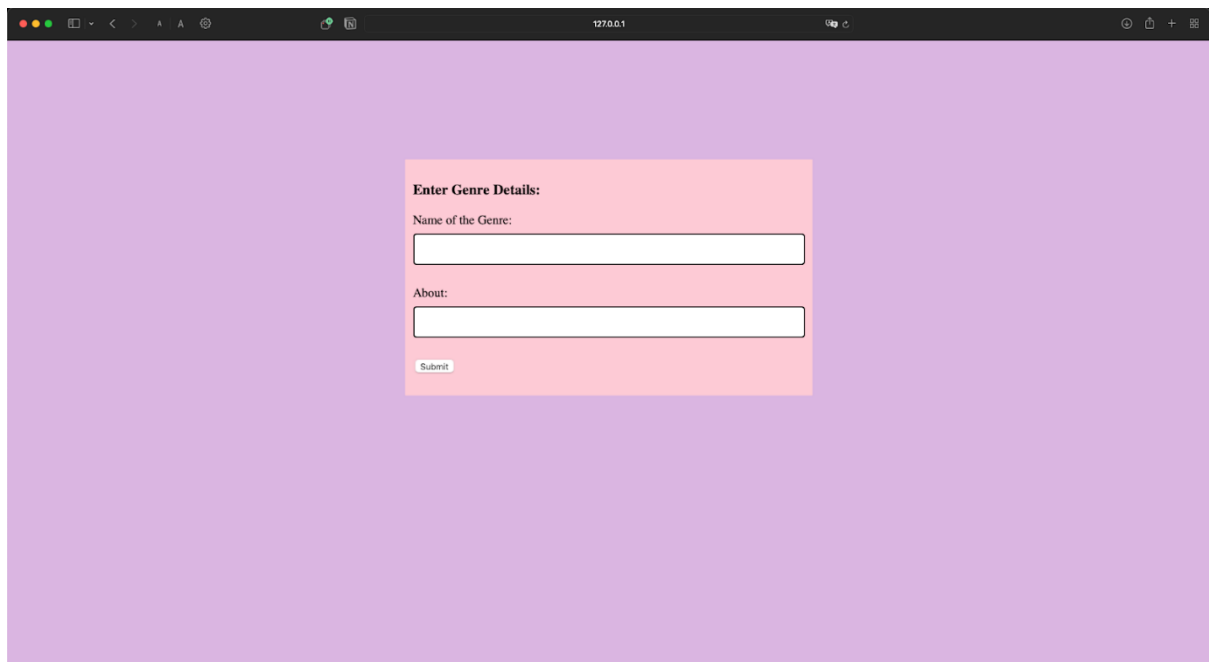


As viewed by admin

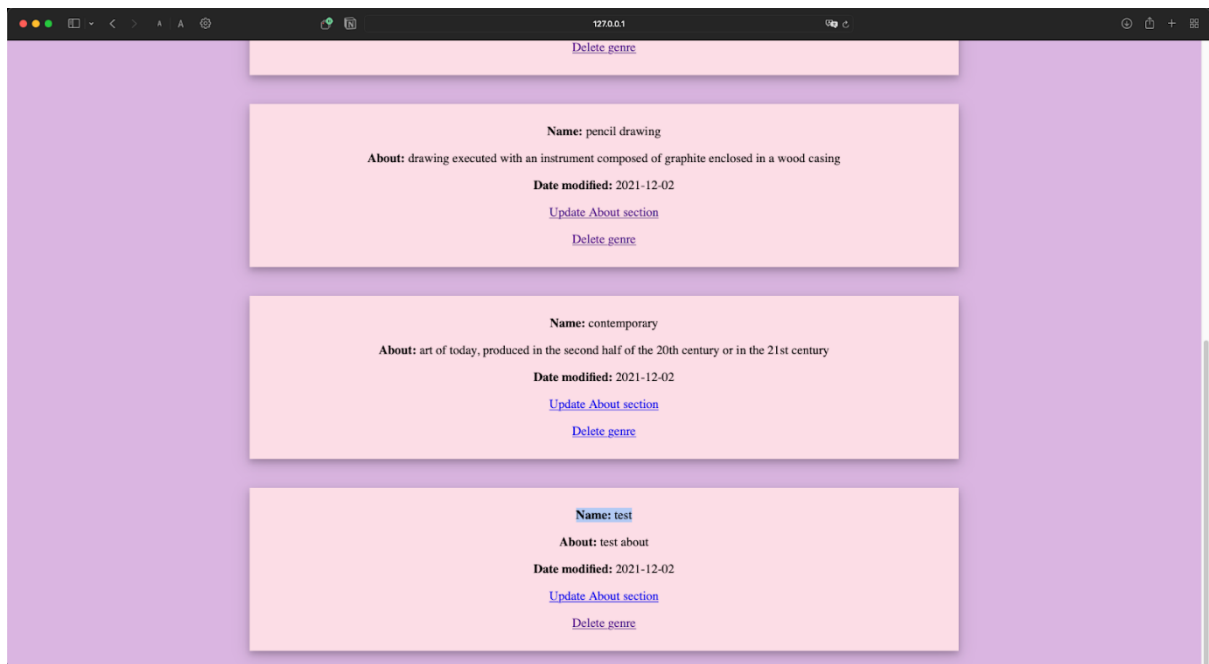
Viewing the Genres:



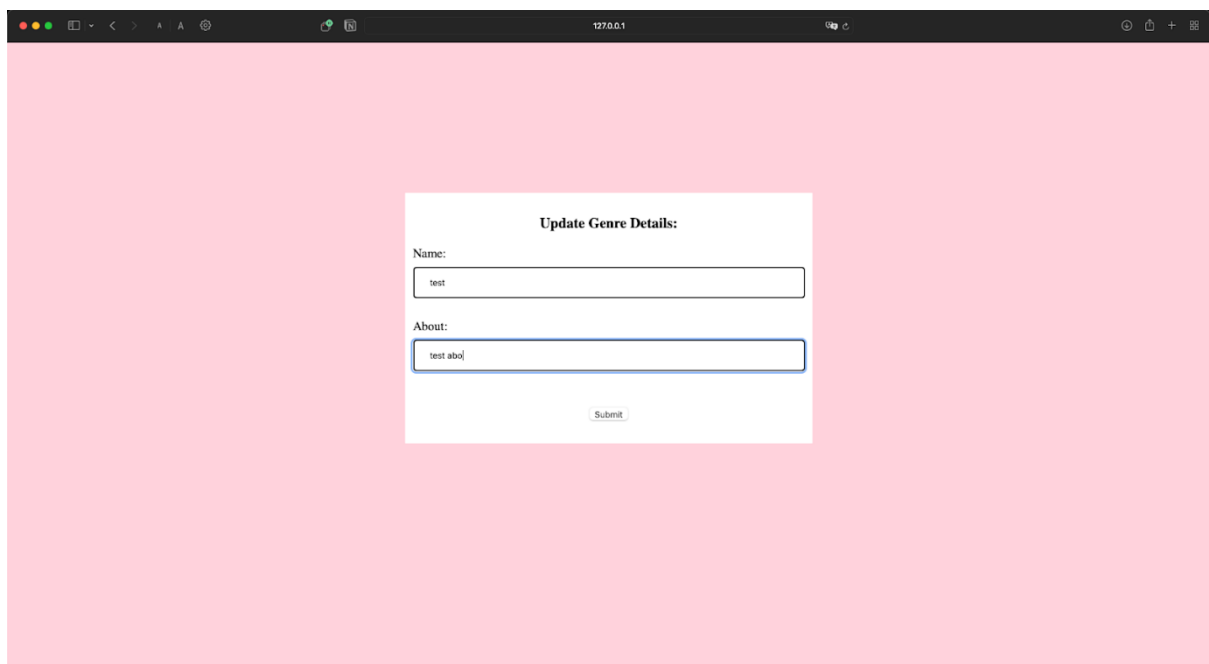
Creating a new Genre:



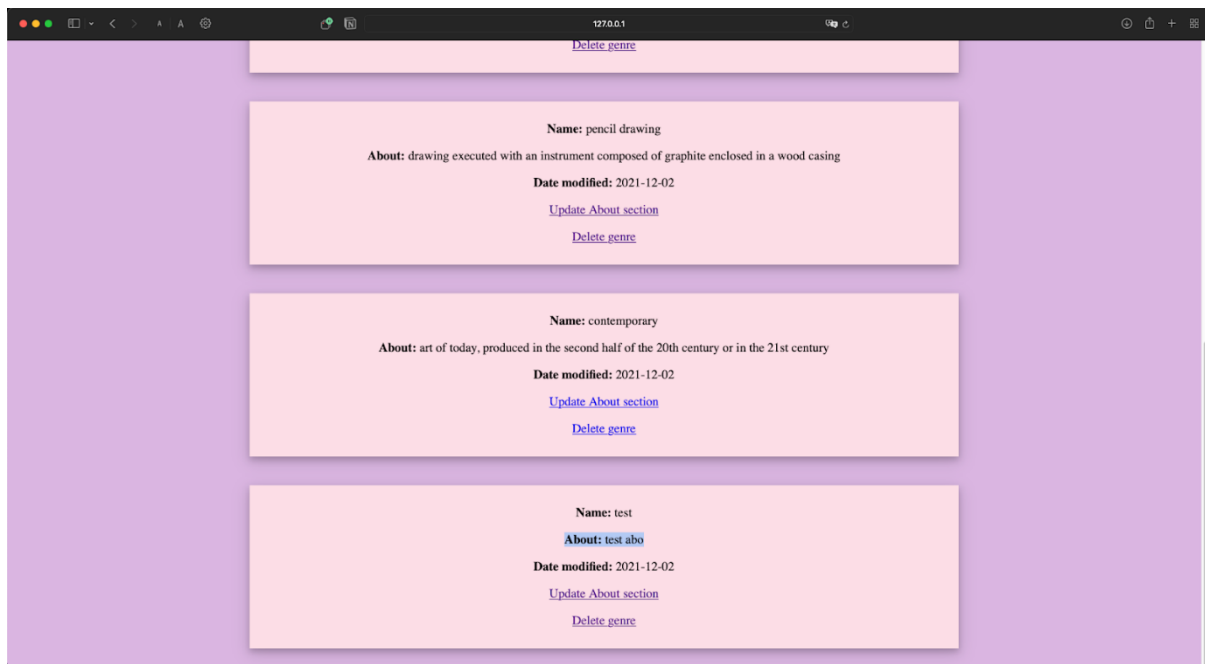
New Genre created:



Updating a genre:



Updated Genre details:



CONCLUSION AND FUTURE WORK

We have created the working model of our Art Gallery using Python, Flask, SQLite DB for the server-side and HTML, CSS and JavaScript for creating the webpages displayed in the client-side. Our art gallery working model contains various functionalities such as letting the artists create a profile and upload their artworks, letting the viewers like artists' profiles and artworks, allowing the admin to create and update the genre list and letting the artists choose genre for their artworks from the genre list. In the future we are planning to enhance our Art Gallery by implementing certain new features. Firstly, we need to manage sessions with the help of Flask and restrict access to certain webpages which can be accessed only by those who are logged in. Secondly, we are planning to create a search option that will allow the viewers to search for their favourite artworks and artists easily. Thirdly, we need to optimise our server-side code by using the in-built flask libraries instead of coding everything from scratch. Lastly but most importantly we need to encrypt the passwords before storing them in the database so that the user details remain secure even if there is a data breach.