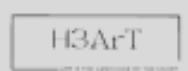


FINAL REPORT

Artwork Sharing Platform

SWP391



Home

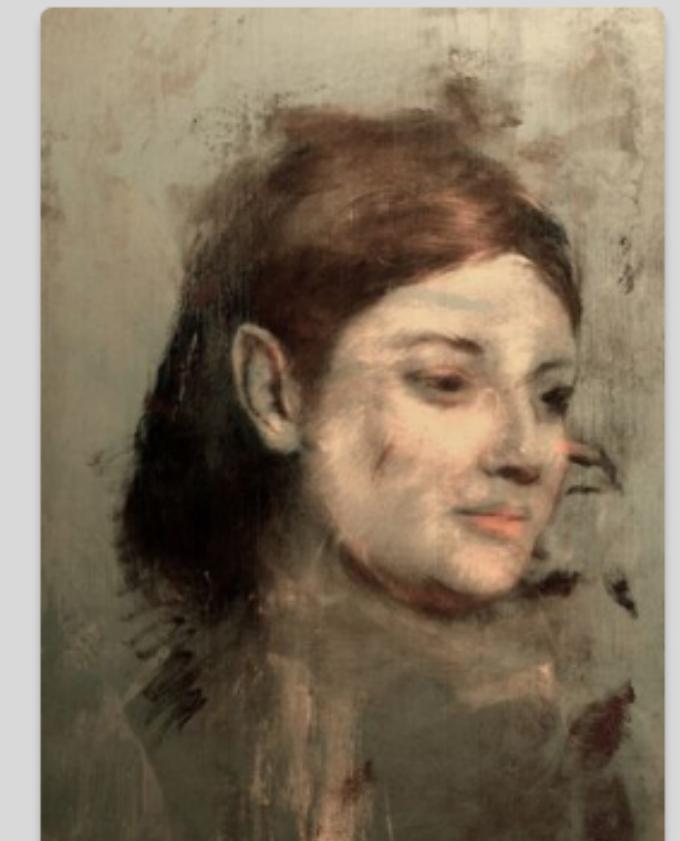


Login Register

Explore

Painting Sculpture Photography Digital Art More ▾

Search...



TEAM 4

1

DANG CONG HUNG
(Leader)

3

**NGUYEN
HUU MINH
TAI**

2

NGUYEN TAN HUNG

4

PHAM LE QUY ANH

CONTENT

Problem (WHY?)

#01

Solution (WHAT - WHO)

#02

Technology

#03

Demo

#04

Problem



WHY?

Our team aim to creating a wonderful platform for people who are interested in art, named Artwork Sharing Platform. Our program is designed to upload, interact, sell and purchase artwork created by artists and provide artistic services for users using the platform.

Solution



Customer

Creator

Moderator

REGISTERED USER

Managed by Admin

C U S T O M E R

ACTOR

- Art Enthusiasts
- Art Buyers
- Users interested in artistic services

FEATURE

- **Artwork Search:**
Search for artwork by genre or keyword.
Explore a variety of artistic styles and themes.
- **Viewing and Interaction:**
View pictures and artwork uploaded by creators.
Interact with artwork by liking and commenting.
- **Purchase Premium Artwork:**
Buy premium artwork directly through the platform.
- **Artist Interaction:**
Propose artistic services to specific creators.
Communicate with creators for personalized requests.
- **Follow Favorite Creators:**
Stay updated on the latest works of favorite creators.
Receive notifications for new uploads and activities.

C R E A T O R

ACTOR

Artists
Art Sellers
Service Providers in the Artistic Domain

FEATURE

Artwork Publication:

Upload and publish artwork for the audience to view.

Artwork Sales:

List artwork for sale and facilitate transactions.
Manage an inventory of available artworks.

Artistic Services:

Open artistic services upon user requests.
Communicate with users interested in services.

M O D E R A T O R

ACTOR

- Content Moderators
- Complaint Resolution Team

FEATURE

- Content Moderation:**
Review and moderate user-generated content.
Ensure compliance with community guidelines.
- Complaint Handling:**
Address user complaints and reports.
Resolve conflicts and issues between users.
- User Communication:**
Communicate with users regarding content-related matters.
Provide assistance and guidance on platform policies.

A D M I N

ACTOR

Admin

FEATURE

View List Of User Account:

Ban/ Unban account

View Premium Package:

Create package

Update package

Delete package

Technology



Programming Language

C#
HTML/CSS/JS

Integrated with Identity Framework

To authenticate and manage users provided in ASP.NET Core by Microsoft:

- User authentication
- Register new users
- Manage user information
- Manage roles and permissions

Framework

ASP.NET Core MVC8 provides an MVC (Model-View-Controller) architecture to separate the application logic into three main parts:

- Model: Represents the application's data and manages data-related logic.
- View: Represents the user interface and displays data to users.
- Controller: Handles user requests, interacts with the model, and selects views to display the results.

Dependency injection

Allows injecting dependencies into an object. Instead of the object having to create its own dependencies, it reduces dependencies between components. It also makes the code easier to extend and maintain.

Repository Pattern

A class defined for an entity, with all possible actions for that entity, providing methods to perform basic operations such as adding, editing, deleting, and querying data from the data source.

LINQ

A feature of C# (and VB.NET) that allows querying data from various data sources such as tables in a database.

Unit Of Work in Repository Pattern

Unit Of Work is used to ensure multiple actions like insert, update, delete... are executed within the same consistent transaction. All actions like insert, update, delete... must be completed for a transaction to be successful. Package all individual actions into one transaction to ensure data integrity.

AJAX API

are APIs that web applications use to communicate asynchronously with the server, typically used to retrieve or send data without disrupting the user experience. Used for retrieving and deleting data.

Google, Facebook, Disqus, and Stripe

are third-party services integrated into the application. Google and Facebook are used for user authentication, Disqus provides a commenting system, and Stripe integrates online payment into the application.



Facebook



Google



Stripe



Disqus

Demo

ARTWORK SHARING PLATFORM



THANK YOU!!!