



Artwork Sharing Platform

Supervisor: Nguyễn Thị Cẩm Hương



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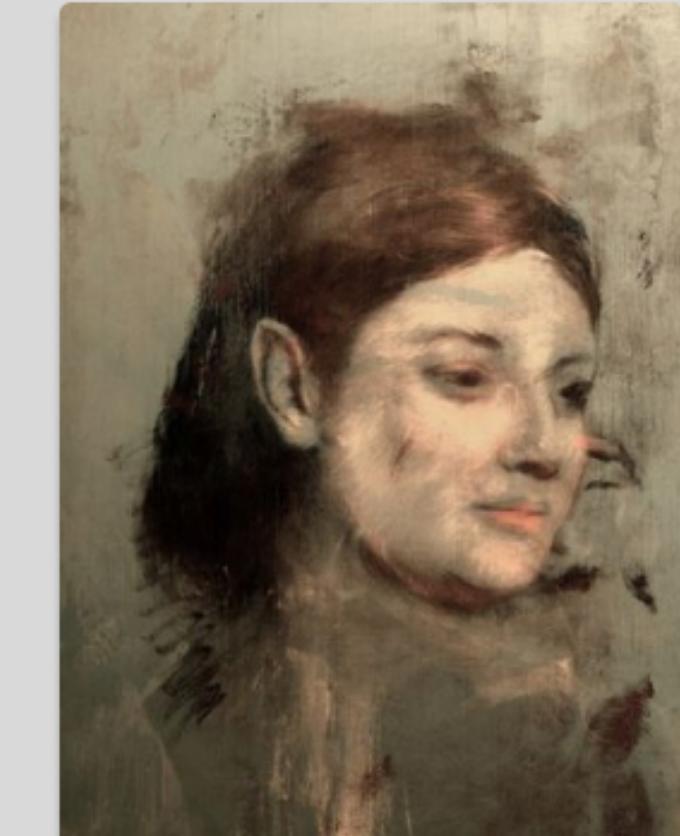


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OUR TEAM

1

DANG CONG HUNG
(Leader)

3

**NGUYEN
HUU MINH
TAI**

2

NGUYEN TAN HUNG

4

PHAM LE QUY ANH

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Introduction



PROBLEM

Do any webs that people can interact with artworks like Pinterest but they also can trade artworks in which they interested exist???



PROBLEM

WHY this app be created?

Our team aim to creating a wonderful platform for people who are interested in art, named **H3ArT (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

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



| C U S T O M E R | ACTOR | • Art Enthusiasts |
|--------------------------------------|-------|---|
| | | • Art Buyers |
| FEATURE | • | Users interested in artistic services |
| | | Artwork Search: Search for artwork by genre or keyword. Explore a variety of artistic styles and themes. |
| FEATURE | • | Viewing and Interaction: View pictures and artworks uploaded by creators. Interact with artwork by liking and commenting. |
| | | Purchase Premium Artwork: Buy premium artwork directly through the platform. |
| FEATURE | • | 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

HBART

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

HBART

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.

System Technology Overview

Programming Language

C#

HTML/CSS/JS library

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

ASP.NET CORE

BUILT IN
DEPENDENCY
INJECTION

CROSS
PLATFORM

FAST AND
OPEN
SOURCE

PERFORMANCE

EASY
UPDATES

CLOUD
FRIENDLY

Programming Language
C#
HTML/CSS/JS

Framework

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

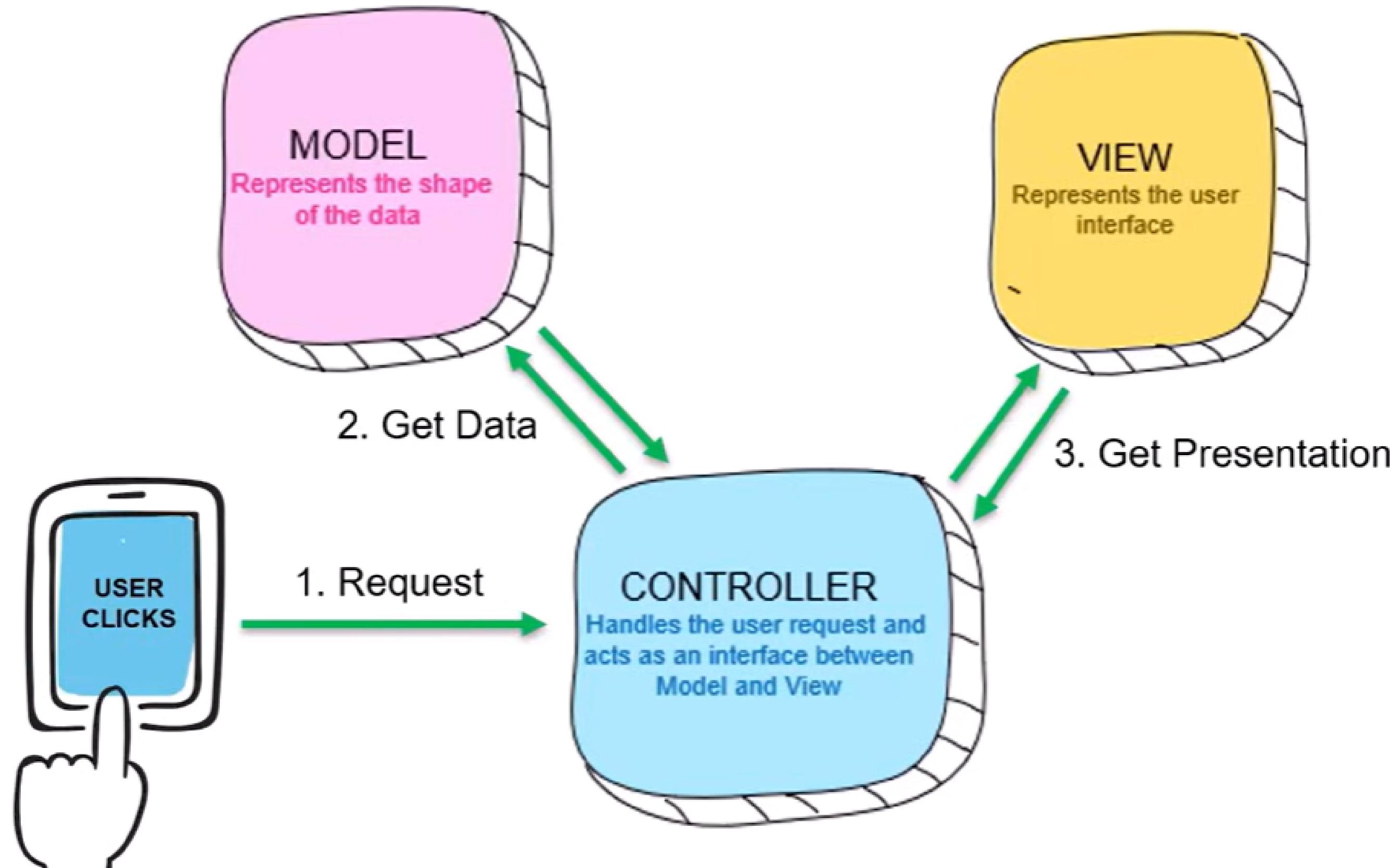
- Model: Represents the application's data and manages data-related logic.
- View: Represents the user interface and displays data to users.
- Controller: Handles user requests, interacts with the model, and selects views to display the results.

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MVC ARCHITECTURE



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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.

Utilization of various user interfaces may include

1. Stripe: Payment processing interface for secure transactions.
2. Facebook: Integration for social media authentication.
3. Google: Integration for authentication.
4. Disqus: Integration of commenting system on blogs or artworks.
5. Datatables: Integration for enhanced data presentation and manipulation.
6. Toastr: Integration for display notifications or alerts to users.
7. SweetAlerts2: Integration for showing custom alert messages/dialogs.
8. TinyMCE: Integration for a rich text editor.



Facebook



Google



Stripe

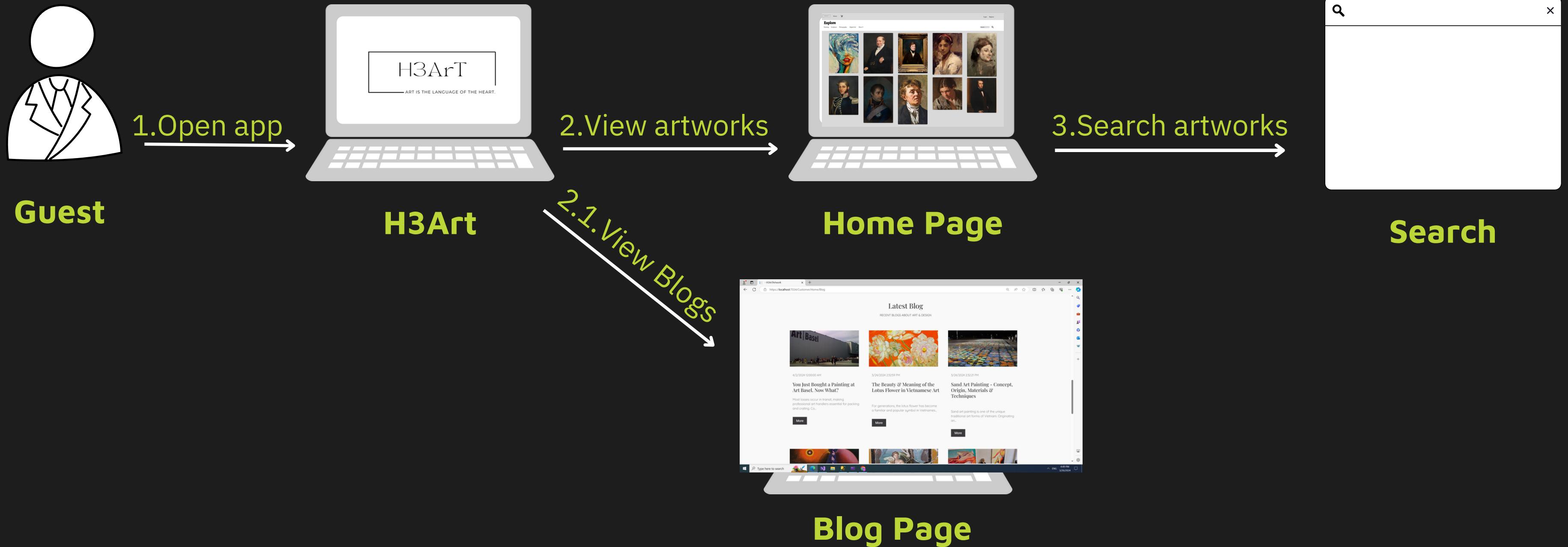


Disqus

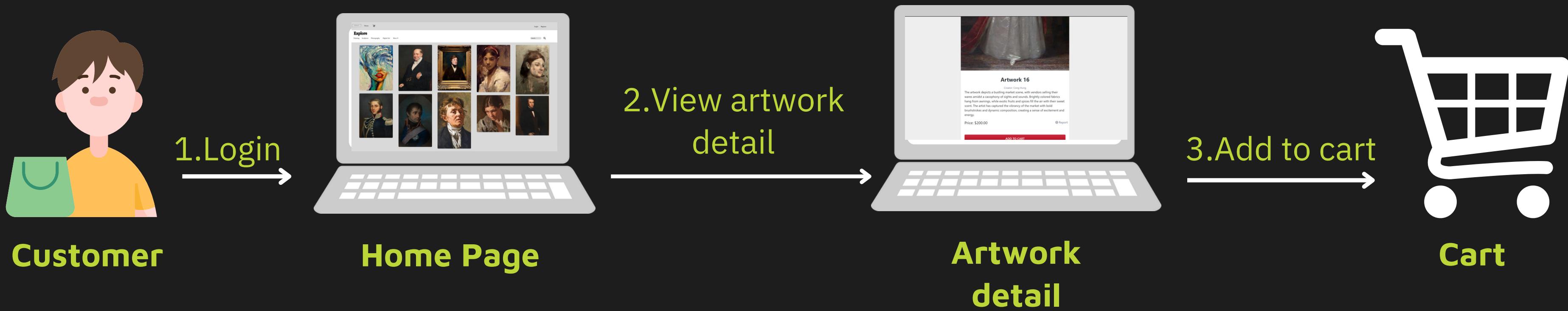
Demonstration

HBART

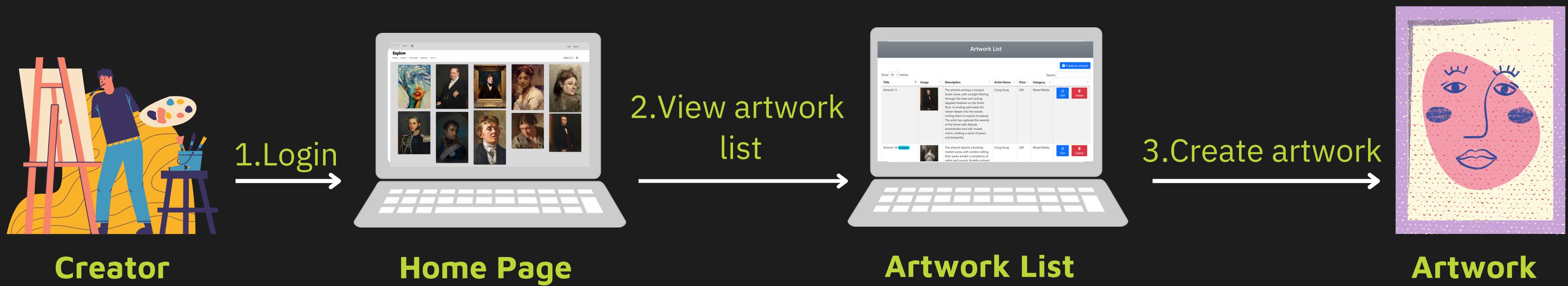
Scenario #1: Guest view/ search artwork



Scenario #2: Customer buys artworks



Scenario #3: Creator add new artworks



Scenario #4: Moderator manages reported artworks/ creators/ blogs



Scenario #5: Admin manages packages/ users/ artworks/ blogs



Outcomes

Lesson learned



Teamwork



Time Management



Project Management



THANK YOU
FOR LISTENING!!!

Q & A