Web Programming

Class Task-1

Cat Art Gallery (HTML + CSS)

Submitted by

Muhammad Moiz Ansari   23i-0523

Semester-6

Submitted to

Ma'am Tajwar

Department of Computer Science National University of Computer and Emerging Sciences Islamabad, Pakistan

Contents

Prompt Given

Comprehensive Prompt: Cat Art Gallery Website Clone

Project Overview

Create a single-page, responsive website for "Cat Alley Collection" (also referred to as Catalley/Catally), a feline art gallery. The website should capture the whimsical, artistic spirit of cats while maintaining professional web design standards. All code must be in ONE HTML file with embedded CSS.

Core Requirements

1. HTML5 Semantic Structure (2 marks)

- Use proper semantic elements: `<header>`, `<nav>`, `<main>`, `<section>`, `<article>`, `<aside>`, `<footer>`

- Implement semantic tags for content organization

- Ensure logical document outline without using generic `<div>` where semantic tags apply

2. CSS Selectors (2 marks)

- **Type Selectors:** Style HTML elements directly (h1, p, a, etc.)

- **Class Selectors:** Use `.class-name` for reusable styles

- **ID Selectors:** Use `#id-name` for unique elements

- Demonstrate hierarchy: `nav ul li a`

3. Navigation Bar with Pseudo-classes (2 marks)

- Create a fixed/sticky navigation bar with: Home, About, Gallery, Feedback, Sign In, Sign Up

- Implement pseudo-classes for all navigation links:

  - `:hover` - change color/background on mouseover

  - `:active` - style when being clicked

  - `:focus` - style for keyboard navigation accessibility

- Consider `:before` or `:after` for decorative elements

4. External CSS Simulation (2 marks)

- Include all CSS within `<style>` tags in the HTML file

- Organize CSS logically: reset, variables, typography, layout, components, responsive

- Use CSS comments to separate sections

5. Visual Design (2 marks)

- **Background:** Gradient or subtle cat-pattern background image

- **Color Scheme:**

  - Primary: Warm tones (oranges, creams for ginger cats)

  - Accent: Blues/greys for contrast

- Text: Dark grey/black with white for contrast
- **Fonts:** Use Google Fonts (suggestions: 'Poppins' for headings, 'Open Sans' for body)
- Implement a cohesive color palette using CSS variables

6. Creativity & Originality (2 marks)
- Add subtle cat-themed animations (paw prints, tail wags)
- Create custom cat-shaped elements or borders
- Implement a "cat of the day" feature
- Add interactive hover effects on gallery images
- Include Easter eggs or playful elements consistent with cat theme

7. Responsive Design with Media Queries (2 marks)
- Mobile-first approach
- Breakpoints:
  - Mobile: < 768px
  - Tablet: 768px - 1024px
  - Desktop: > 1024px
- Responsive gallery grid (flexbox or CSS grid)
- Collapsible navigation menu for mobile
- Adjust font sizes, padding, and margins for each viewport

8. Typography with Web Fonts (2 marks)
- Import at least 2 Google Fonts
- Establish typographic hierarchy:
  - h1: 2.5rem-3rem
  - h2: 2rem-2.5rem
  - h3: 1.5rem-1.75rem
  - Body: 1rem-1.2rem
- Set proper line-height (1.5-1.6 for body)
- Implement responsive font sizes using `rem` units

9. CSS Icons (2 marks)
- **Font Awesome:** Use for social media, user account, and navigation icons
- **Google Icons/Material Icons:** Use for buttons, forms, and decorative elements
- Implement icon-only buttons for mobile
- Ensure icons are accessible with proper ARIA labels

10. Overall Neatness & Professionalism (2 marks)
- Clean, well-commented code
- Consistent indentation and formatting

- No broken links or placeholder text in final version

- Proper use of whitespace

- Accessible color contrast ratios

- Valid HTML5 and CSS3

Page Sections to Implement

Header/Navigation

- Logo: "Cat Alley Collection" or "Catalley"

- Tagline: "Where Art Has Whiskers"

- Fixed navigation bar with all required links

- Responsive hamburger menu for mobile

Hero Section

- Featured cat artwork

- Main tagline: "Step into a world of feline masterpieces"

- Brief introduction text from screenshot 1

- Call-to-action button to view gallery

About Section

- Title: "Behind the Whiskers"

- Content from screenshot 1: "Cat alley was born from..."

- Student-curated focus

- "Purr-sonality" playful text

Gallery Section

- Grid layout of cat images (minimum 6 as shown in screenshot 2)

- Image titles: Ginger, Shy Cat, Box Cat, Sigma Cat, Minecraft Ginger, etc.

- Hover effects: enlarge, show title overlay, subtle shadow

- Filter options if creative points allow

Feedback Section

- Form with:

  - Name field

  - Email field with placeholder

  - Message textarea

  - Submit button

- Design matching screenshot 3

Authentication Sections

Sign In:

- Email field

- Password field

- Sign In button

- Link to Sign Up (screenshot 4)

Sign Up:

- Email field

- Password field

- Confirm Password field

- Sign Up button

- Link to Sign In (screenshots 5 & 6)

Footer

- Copyright: "© 2026 Catally Art Gallery. All rights reserved."

- Social media links with icons

- Quick links to main sections

Technical Implementation Details

HTML Structure
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Cat Alley Collection - Where Art Has Whiskers</title>
    <!-- Font & Icon Links -->
    <!-- Embedded CSS -->
</head>
<body>
    <!-- Skip to content link for accessibility -->
    <!-- Header with navigation -->
    <!-- Main content sections -->
    <!-- Footer -->
</body>
</html>
```

Images Folder

The gallery images are in the folder named "images" of which structure is as follows (all are square images except 'cat-main.png' is horizontal):

images/
  ├── cat1.png
  ├── cat2.png
  ├── cat3.png
  ├── cat4.png
  ├── cat5.png
  ├── cat6.png
  ├── cat-main.png (if needed)
  ├── favicon.png

CSS Organization

1. CSS Reset/Normalize

2. CSS Variables (colors, fonts, spacing)

3. Base Styles

4. Layout Styles

5. Component Styles

6. Responsive Media Queries

Interactive Elements

- Smooth scrolling for navigation

- Form validation feedback

- Toggle between Sign In/Sign Up without page reload (optional for creativity)

- Image lightbox for gallery (optional)

Accessibility Features

- Alt text for all images

- ARIA labels for icons

- Keyboard navigation support

- Focus states for all interactive elements

- Sufficient color contrast

Deliverables

1. One HTML file containing all code

2. Fully responsive design tested on mobile, tablet, and desktop

3. All required sections implemented

4. Clean, professional presentation matching the spirit of the screenshots

5. Creative cat-themed enhancements while maintaining usability

Evaluation Criteria

- Adherence to all 10 requirements (2 marks each)

- Visual fidelity to provided screenshots

- Code quality and organization

- Responsive behavior

- Creativity within the cat art gallery theme

- User experience and accessibility

Extra Credit Considerations

- Implement a dark/light mode toggle

- Add a working image filter for gallery

- Create a "random cat fact" generator

- Implement localStorage for form data persistence

- Add subtle CSS animations for page transitions

Note: While cloning the design from screenshots, ensure the website has a cohesive identity (choose one name: Cat Alley Collection, Catalley, or Catally) and maintain consistency throughout the implementation.

Please give only HTML + CSS

Websites by AI
1. Claude
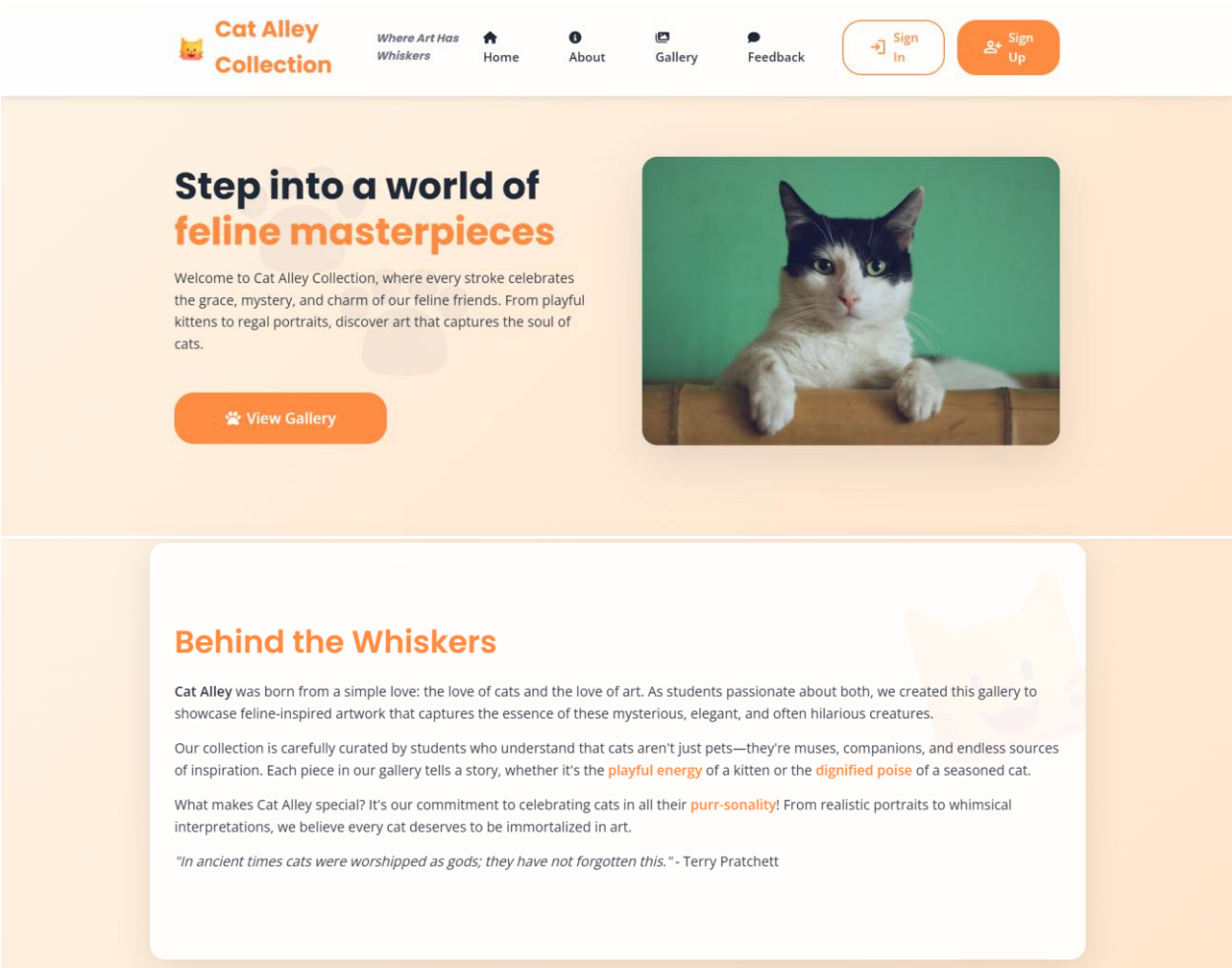
Our Paw-some Gallery 🐾

Explore our curated collection of feline artistry

🐱 **Cat of the Day:** "Ginger" - A vibrant portrait celebrating the warmth and charm of orange tabbies!

🐱 Box Cat

💬 We'd Love Your Feedback

Share your thoughts about our gallery or suggest new feline masterpieces!

👤 Name

Your name

✉ Email

your.email@example.com

💬 Message

Cat Alley Collection

Celebrating the art of felines since 2024. Where every whisker tells a story.

f | ⓘ | 🐦 | ℗

Quick Links

> Home
> About Us
> Gallery
> Contact

Gallery Hours

🕐 Mon - Fri: 9:00 AM - 6:00 PM
🕐 Saturday: 10:00 AM - 4:00 PM
🕐 Sunday: Closed

Contact Info

✉ info@catalley.art
📞 +1 (555) CAT-ALLEY
📍 123 Whisker Lane, Catville

2. Deep Seek

🐾 **CatAlley** Collection   Home   About   Gallery   Feedback   Sign In   **Sign Up**

Cat Alley Collection

Where Art Has Whiskers

Step into a world of feline masterpieces. Our gallery celebrates the grace, mystery, and playful spirit of cats through a curated collection of artworks from talented artists worldwide.

Explore Gallery

Behind the Whiskers

Cat Alley was born from a simple love for feline friends and the art they inspire. What started as a small student exhibition has grown into a celebrated gallery space dedicated to cat-themed art.

Our mission is to showcase the diverse representations of cats in art—from regal portraits to whimsical abstractions. Each piece in our collection is carefully selected to capture the unique "purr-sonality" of our feline muses.

Student-Curated Focus

We're proud to support emerging artists and student curators. Our gallery provides a platform for young talents to showcase their feline-inspired creations alongside established artists.

🐾

Art Has Whiskers

Feline Masterpieces

Browse our curated collection of cat-inspired artworks. Each piece captures a different aspect of feline nature—from playful to pensive.

Box Cat
Playful · Whimsical

👑 Cat of the Day

Meet **Whiskers**, today's featured feline muse! This playful tabby inspired three artworks in our current exhibition with her mischievous antics and striking markings.

"Cats choose us; we don't own them." - Today's cat wisdom

Share Your Thoughts

We'd love to hear your feedback about our gallery!

Full Name
Enter your name

Email Address
Enter your email

Your Feedback
Tell us what you think about our gallery, suggest improvements, or share your favorite artwork...

CatAlley Collection
Where Art Has Whiskers

Celebrating feline artistry through curated exhibitions and supporting emerging artists since 2023.

Quick Links
Home
About Us
Gallery
Feedback
Sign In
Sign Up

Follow Us

Share your cat art with #CatAlleyCollection

© 2026 Cat Alley Collection. All rights reserved. | Designed with ❤ for cat lovers everywhere

3. Gemini

🐱 **Catally**

🏠 Home | About | Gallery | Feedback | Sign In | **Sign Up**

Where Art Has Whiskers

Step into a world of feline masterpieces. From the majestic ginger to the curious box-dweller, we celebrate the soul of every cat through curated digital art.

Explore Collection

Behind the Whiskers

Cat Alley was born from a simple obsession: the expressive nature of our feline friends. What started as a student project has bloomed into a sanctuary for cat lovers. Every piece in our collection is curated to showcase the "Purr-sonality" of cats—their independence, their whimsy, and their mysterious grace.

The Collection

Shy Cat
Finds beauty in the shadows.

Purr-sonality of the Day
"The smallest feline is a masterpiece." — Leonardo da Vinci

Welcome Back

Email

Password

Sign In

New here? Create account

4. Chat Gpt

Cat Alley Collection
Where Art Has Whiskers

Home   About   Gallery   🚩 Feedback   Sign In   Sign Up

FEATURED EXHIBITION

Step into a world of feline masterpieces

Cat Alley Collection curates playful, student-created feline art — from ginger portraits to pixel kitties. Enjoy a warm, tongue-in-cheek exploration of personality, form, and whiskers.

View Gallery   Behind the Whiskers

Cat of the day

Ginger Sigma
A ginger with a contemplative stare. (CSS animated carousel)

Student-curated feline art

Cat Alley started as a class project and grew into a charming micro-gallery that celebrates playful aesthetics, curious expressions, and the odd cat who sits inside a box more thoughtfully than most humans.

Browse the gallery

Behind the Whiskers

Purr-sonality — Cat Alley was born from a tiny studio of students wanting to put a spotlight on small whimsical art. We celebrate ginger muses, shy subjects, proud strays, and the occasional box-obsessed model. This micro-gallery is student-curated, compassionate, and, yes, a little mischievous.

We believe each piece should speak — whether it's a pixel ginger from Minecraft or a contemplative 'Sigma Cat' sketch — and invite visitors to explore the range of cat moods and aesthetics. Our collection is updated by hand with each semester.

Student-curated focus: educational portfolios, playful technique exercises, and community-sourced portraits.

Gallery

All   Portraits   Pixel Art   Boxes

Ginger
Warm-toned portrait

Shy Cat
Peek-a-boo composition

Box Cat
He belongs in the box

Sigma Cat
Contemplative sketch

Minecraft Ginger
Pixelated feline charm

Moonlit Alley
Night study

Feedback

Name

Your full name

Email

you@example.com

Message

Tell us what you loved (or what the cat destroyed!)

We respect your privacy — no spam.

Reset   **Send Feedback**

Catally Art Gallery ~

Home   Gallery   Feedback

5. Grok

Cat Alley Collection

Home   About   Gallery   Feedback   Sign In   Sign Up

Step into a world of feline masterpieces

Where Art Has Whiskers

Cat Alley Collection is a student-curated gallery celebrating the whimsical world of cats through art.

View Gallery 🐾

Behind the Whiskers

Cat Alley was born from a passion for felines and fine art. Our student-curated collection features whimsical cat-themed artworks that capture the purr-sonality of our favorite companions.

From ginger tabbies to mysterious black cats, each piece tells a tail... er, tale of feline fancy.

Behind the Whiskers

Cat Alley was born from a passion for felines and fine art. Our student-curated collection features whimsical cat-themed artworks that capture the purr-sonality of our favorite companions.

From ginger tabbies to mysterious black cats, each piece tells a tail... er, tale of feline fancy.
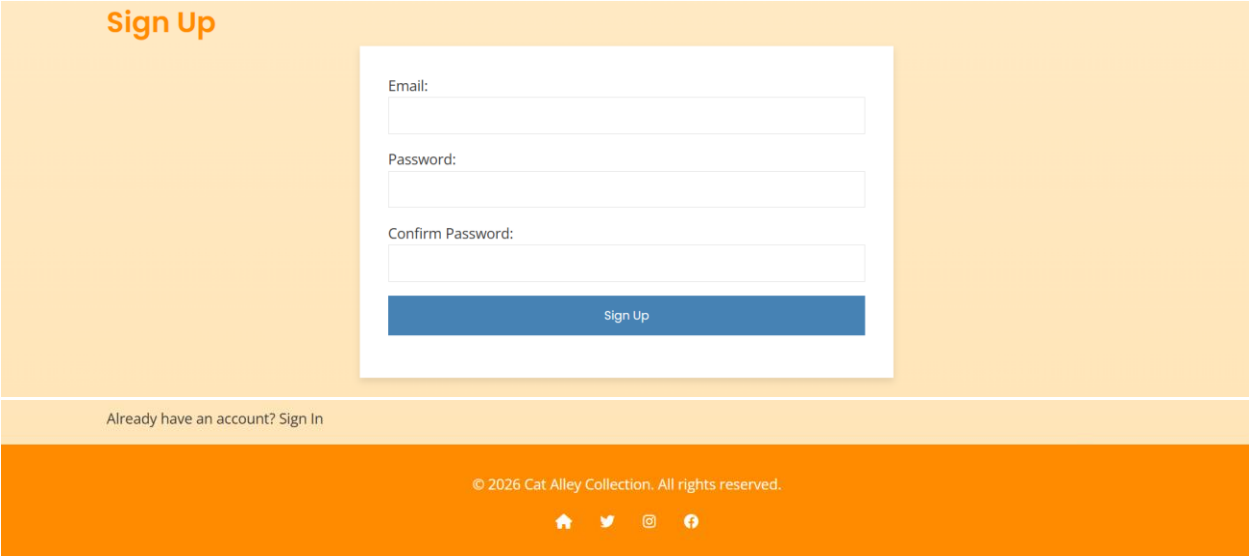
Our Gallery

Shy Cat

Feedback

Name:

Email:

your@email.com

Message:

Submit

Sign Up

Email:

Password:

Confirm Password:

Sign Up

Already have an account? Sign In

© 2026 Cat Alley Collection. All rights reserved.

AI Agent Comparison Ratings

1. Claude 4.5 Sonnet
2. Deep Seek (Deep think Mode)
3. Gemini 3 Pro
4. Chat GPT (Thinking Mode)
5. Grok (Expert)

Analysis

1. Claude

Claude did an outstanding job in understanding the assignment, for its creativity, and making a full and complete website. It added certain animations where possible, suitable and smooth transitions in all places, added a fully detailed footer, added icon, and most of all, it added complete responsiveness. The responsiveness even included the perfect collapsing of the navigation bar, which opened by clicking the 3 bars. The bars turned into a cross and vice versa through animation. It also has hidden the signup and sign in form and only one of them appeared when we clicked the respective button (which no other AI had done). The startup also had animation. I would give Claude 10/10 for the perfect, complete website.

2. DeepSeek

Deep seek also did a very great job. It added a startup animation, organized website with everything, animations and transitions, detailed footer, all links were functional, added icon, and it also tried to collapse the nav bar but failed to make it functional because it wouldn't open or close. The rest was all good. I will give it 9/10.

3. Gemini

Gemini added all the basic functionality like added box shadows, transitions, the nav bar, a simple footer which was exactly same one as given in prompt (not anything extra), added forms, and like all these things were just the basic needed CSS elements for a good-looking website. It also collapsed the navbar, but it wasn't functional as well. It was also missing a signup form. I will give it 8/10.

4. Chat GPT

Chat GPT implemented all the mentioned things like all the pages, the forms, added a cat of the day card too as a bonus, but it lacked the aesthetic sense. Its navigation bar wasn't fixed. It didn't have many transitions. It had some empty space on the side because of signup button. It had extremely poor responsiveness because of its static navbar. Although, the unique things were the translucent navbar and that the sign in and signup forms opened in on the page like sub window, which was its unique feature. I will give it 5/10.

5. Grok

Grok did a terrible job and just implemented the bar minimum. Like it implemented all pages with all forms too, but there were no animations, except just the hover animation on gallery images. Its navbar was also translucent, but it overlapped the pages and it hadn't handled the offset. It had no scrolling animations; its forms didn't have any boundary. I will give it 2.3/10.

Conclusion

Overall, most of the AI agents did a good job in understanding the assignment and adding something extra or unique in addition to the original thing because they wanted to put in some creativity. But still they can't beat the creativity of human minds. In my opinion, these top rated chatbots should be used to implement what we want on our instructions, because our ideas and their code will make a perfect, efficient website.