



ArtGallery Project

Purpose:

This digital gallery features a curated selection of photos by artists like Massimo Marganoni, Giuseppe Milo, and Görlitz Photography, each presented in a sleek, responsive format that brings their work to life. Hover over images to discover the artists' names, enhancing your appreciation for the art and its creator.

Features:

- | Interactive overlays with artist names on hover.
 - | Responsive design for optimal viewing on multiple devices.
 - | Elegant and minimalistic design to highlight the photos.
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Technology Stack:

HTML, CSS

Directory Structure

```
/photo-blog
|-- index.html
|-- photos.css
|--
```

Code Documentation:

HTML

index.html — Contains the entire page structure.

- `<nav>`: This is used as the navigation or title area of the webpage.
- `<section>`: Each section represents a different artist's gallery.
- `<div class="image-container">`: This container holds each image along with an overlay for the artist's name.

```
<section class="artist1">
  <div class="image-container">
    
    <h3>Artist Name</h3>
  </div>
  <!-- Additional image containers -->
</section>
```

CSS

photos.css — Styles the visual elements of the site.

- `.image-container` : Styles the containers that hold the images and the overlay text.
- `nav` : Styles for the navigation bar to ensure it is visually distinct.

Image Container (`image-container`)

```
.image-container {
  position: relative;
  width: 30%;
  margin: calc(5%/6);
  display: inline-block;
}
```

- **Positioning:** Set to `relative` which allows absolute positioning of elements inside it, such as the artist's name (`<h3>`).
- **Display:** `inline-block` allows multiple containers to sit in a line horizontally, given sufficient screen width.

Image and Hover Effects

```
.image-container img {
  width: 100%;
  opacity: 1;
}

.image-container:hover img{
  border-color: black;
  box-shadow: 1em 1em 1em -0.5em black;
  transform: translateY(-1em);
  opacity: 0.5;
}
```

- **Width and Opacity:** The image fills its container (`100%` width), and is fully opaque until hovered.
- **Hover Effects:** On hover, the image is dimmed (`opacity: 0.5`), lifted (`translateY`), and gains a shadow and border color, highlighting the image and making the text more readable.

Artist Name (`h3`)

```
.image-container h3 {  
  position: absolute;  
  top: 50%;  
  left: 50%;  
  transform: translate(-50%, -50%);  
  text-align: center;  
  color: black;  
  opacity: 0;  
  transition: opacity 0.3s ease-in;  
  width: 100%;  
}
```

- **Positioning:** Positioned absolutely in the center of the `image-container` using percentages and the `transform` property. This central placement ensures the name appears over the middle of the image.
- **Visibility:** Initially hidden (`opacity: 0`), it becomes visible (`opacity: 1`) when the image container is hovered over, due to the CSS rule in `.image-container:hover h3`.

Specific Implementations

CSS Details

- **Image Hover Effect:** The use of `opacity` and `transform` properties in the `.image-container:hover img` selector creates a visual effect that slightly dims the image and moves it up, making the artist's name more prominent.

Choice of Fonts

- Raleway was chosen for its modern and professional look, which complements the artistic photos.

Layout

- A grid layout allows each image to be displayed prominently, making it easy for users to engage with individual pieces of art.