

# Responsive Photo Gallery Project

Using HTML Grid and CSS for a Modern, Flexible Layout



# What is a Responsive Photo Gallery?



## Adaptive Design

A gallery that seamlessly adapts to different screen sizes, from desktops to tablets to mobile phones



## CSS Grid Powered

Uses CSS Grid to arrange images in a flexible, neat grid that automatically adjusts its layout



## Enhanced UX

Enhances user experience across all devices with intuitive, accessible image browsing



## Perfect For

Ideal for portfolios, blogs, and product showcases that need visual impact

# HTML Structure Overview

01

## Container Setup

Start with a main container div with class "gallery" to hold all images

02

## Image Elements

Add multiple image elements inside, each wrapped in a div or anchor tag for flexibility

03

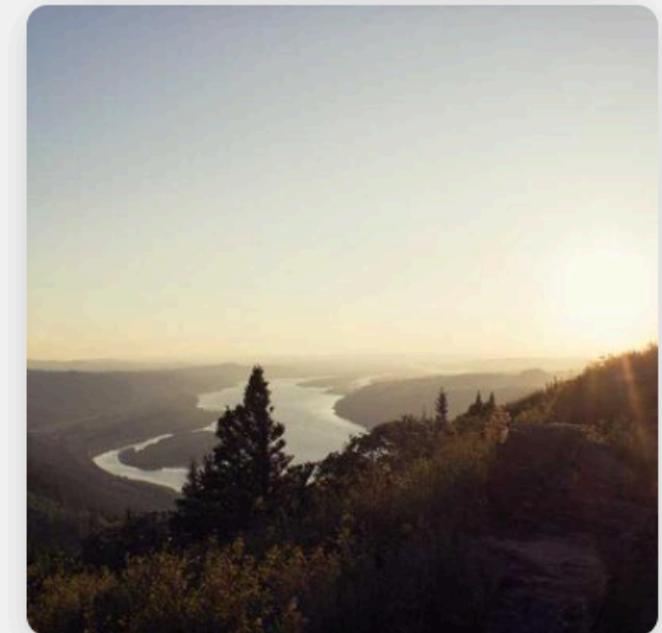
## Semantic Markup

Use simple, semantic HTML for easy styling and improved accessibility standards

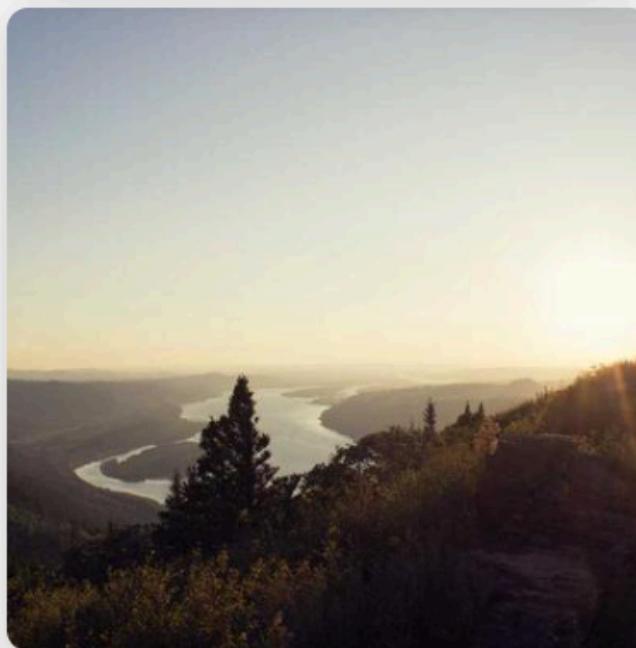
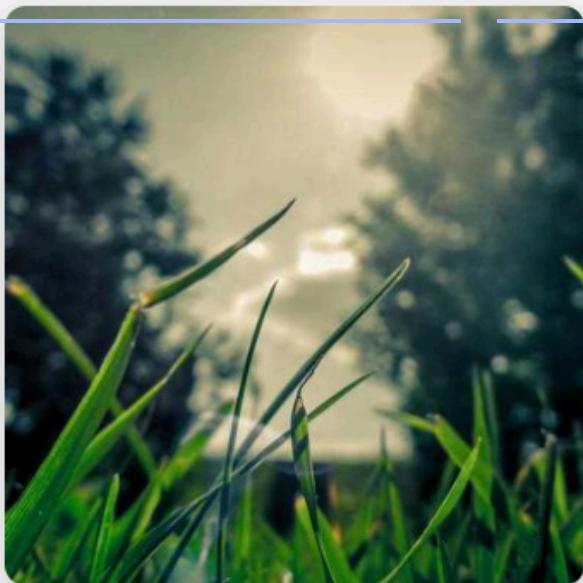
### Sample HTML Structure:

```
<div class="gallery">  
    
    
    
</div>
```

## Photo Gallery



# Photo Gallery



# CSS Grid Setup for the Gallery

Gallery</h1>

```
=> <h1>Gallery</h1>
=> <div class="gallery">
->   <div class="image-box">
```

## Core CSS Properties

- Define `.gallery` as a CSS Grid container
- Use `grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));` for responsiveness
- Set `gap: 10px;` for spacing between images
- Apply `object-fit: cover;` on images to maintain aspect ratio

### Key CSS Snippet:

```
.gallery {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
  gap: 10px;
}

.gallery img {
  width: 100%;
  height: 200px;
  object-fit: cover;
}
```



# Making It Responsive & Interactive



## Auto-Adjusting Grid

Grid automatically adjusts the number of columns based on viewport width

## Fluid Images

Images resize smoothly without distortion or quality loss

## Hover Effects

Optional interactive effects like scale, shadow, or opacity changes



# Summary & Next Steps

## VisualAppeal

Responsivephotogallery improves both visual appeal and usability across all devices

## Lightweight Solution

HTMLGrid+CSSprovides a powerful solution without requiring JavaScript

## Add Your Images

Readytoadd your own images in the designated spaces

## Test & Refine

Test on multiple devices for best results and optimal user experience

**Questions & Demo Preview**