CodeAlpha Virtual Internship

Frontend Development — Task 1

Project: Image Gallery

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Internship Domain: Frontend Development

Company: CodeAlpha

# Task 1: Image Gallery

In this task, I created a responsive Image Gallery using HTML, CSS, and JavaScript. The gallery displays random images from Unsplash with hover zoom effects. Clicking an image opens it in a lightbox view, where users can navigate using next and previous buttons. The layout is fully responsive using CSS Grid and smooth transitions for an interactive experience.

## 1. HTML Code

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
 <title>Image Gallery | CodeAlpha Task 1</title>  
 <link rel="stylesheet" href="style.css" />  
</head>  
<body>  
 <header>  
 <h1>My Image Gallery</h1>  
 <p>CodeAlpha Internship Task — Frontend Development</p>  
 </header>  
  
 <main class="gallery">  
 <div class="img-box"><img src="https://source.unsplash.com/random/400x300?nature" alt="Nature"></div>  
 <div class="img-box"><img src="https://source.unsplash.com/random/400x300?city" alt="City"></div>  
 <div class="img-box"><img src="https://source.unsplash.com/random/400x300?art" alt="Art"></div>  
 <div class="img-box"><img src="https://source.unsplash.com/random/400x300?technology" alt="Technology"></div>  
 <div class="img-box"><img src="https://source.unsplash.com/random/400x300?travel" alt="Travel"></div>  
 <div class="img-box"><img src="https://source.unsplash.com/random/400x300?mountain" alt="Mountain"></div>  
 </main>  
  
 <div id="lightbox" class="lightbox">  
 <span class="close">&times;</span>  
 <img class="lightbox-img" src="" alt="Enlarged Image">  
 <div class="navigation">  
 <span class="prev">&#10094;</span>  
 <span class="next">&#10095;</span>  
 </div>  
 </div>  
  
 <script src="script.js"></script>  
</body>  
</html>

## 2. CSS Code

\* {  
 margin: 0;  
 padding: 0;  
 box-sizing: border-box;  
}  
  
body {  
 font-family: 'Poppins', sans-serif;  
 background-color: #f9f9f9;  
 color: #333;  
 text-align: center;  
}  
  
header {  
 padding: 20px;  
 background: #1e1e2f;  
 color: white;  
}  
  
.gallery {  
 display: grid;  
 grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));  
 gap: 15px;  
 padding: 20px;  
}  
  
.img-box {  
 overflow: hidden;  
 border-radius: 10px;  
 box-shadow: 0 2px 8px rgba(0,0,0,0.2);  
 transition: transform 0.3s ease;  
}  
  
.img-box img {  
 width: 100%;  
 height: 100%;  
 display: block;  
 cursor: pointer;  
 transition: transform 0.3s ease;  
}  
  
.img-box:hover img {  
 transform: scale(1.1);  
}  
  
.lightbox {  
 display: none;  
 position: fixed;  
 z-index: 10;  
 top: 0; left: 0;  
 width: 100%;  
 height: 100%;  
 background: rgba(0,0,0,0.8);  
 justify-content: center;  
 align-items: center;  
 flex-direction: column;  
}  
  
.lightbox-img {  
 max-width: 90%;  
 max-height: 80%;  
 border-radius: 10px;  
}  
  
.close {  
 position: absolute;  
 top: 20px;  
 right: 40px;  
 font-size: 40px;  
 color: white;  
 cursor: pointer;  
}  
  
.navigation {  
 position: absolute;  
 width: 100%;  
 display: flex;  
 justify-content: space-between;  
 top: 50%;  
 transform: translateY(-50%);  
 padding: 0 40px;  
}  
  
.prev, .next {  
 color: white;  
 font-size: 50px;  
 cursor: pointer;  
 user-select: none;  
}  
  
.prev:hover, .next:hover {  
 color: #aaa;  
}

## 3. JavaScript Code

const lightbox = document.getElementById('lightbox');  
const lightboxImg = document.querySelector('.lightbox-img');  
const closeBtn = document.querySelector('.close');  
const nextBtn = document.querySelector('.next');  
const prevBtn = document.querySelector('.prev');  
const images = document.querySelectorAll('.gallery img');  
  
let currentIndex = 0;  
  
images.forEach((img, index) => {  
 img.addEventListener('click', () => {  
 lightbox.style.display = 'flex';  
 lightboxImg.src = img.src;  
 currentIndex = index;  
 });  
});  
  
closeBtn.addEventListener('click', () => {  
 lightbox.style.display = 'none';  
});  
  
nextBtn.addEventListener('click', () => {  
 currentIndex = (currentIndex + 1) % images.length;  
 lightboxImg.src = images[currentIndex].src;  
});  
  
prevBtn.addEventListener('click', () => {  
 currentIndex = (currentIndex - 1 + images.length) % images.length;  
 lightboxImg.src = images[currentIndex].src;  
});  
  
lightbox.addEventListener('click', (e) => {  
 if (e.target === lightbox) {  
 lightbox.style.display = 'none';  
 }  
});