<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Advanced Image Gallery</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 20px;

background-color: #f4f4f4;

}

h1 {

text-align: center;

margin-bottom: 20px;

}

.filter-buttons {

text-align: center;

margin-bottom: 30px;

}

.filter-buttons button {

padding: 10px 20px;

margin: 5px;

border: none;

background-color: #555;

color: white;

cursor: pointer;

border-radius: 5px;

transition: background 0.3s;

}

.filter-buttons button:hover {

background-color: #333;

}

.gallery {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

gap: 15px;

}

.gallery-item {

overflow: hidden;

position: relative;

border-radius: 10px;

cursor: pointer;

transition: transform 0.3s ease, box-shadow 0.3s ease;

}

.gallery-item img {

width: 100%;

height: auto;

display: block;

transition: transform 0.3s;

}

.gallery-item:hover {

transform: scale(1.03);

box-shadow: 0 8px 16px rgba(0,0,0,0.2);

}

/\* Lightbox Styles \*/

.lightbox {

display: none;

position: fixed;

z-index: 9999;

top: 0;

left: 0;

width: 100%;

height: 100%;

background: rgba(0,0,0,0.9);

justify-content: center;

align-items: center;

}

.lightbox img {

max-width: 90%;

max-height: 80%;

border-radius: 10px;

}

.lightbox-controls {

position: absolute;

top: 50%;

width: 100%;

display: flex;

justify-content: space-between;

transform: translateY(-50%);

color: white;

font-size: 2em;

padding: 0 20px;

user-select: none;

}

.lightbox-controls span {

cursor: pointer;

background-color: rgba(0,0,0,0.5);

padding: 10px 15px;

border-radius: 50%;

}

.lightbox-close {

position: absolute;

top: 20px;

right: 30px;

font-size: 2em;

color: white;

cursor: pointer;

}

@media (max-width: 600px) {

.lightbox img {

max-width: 95%;

max-height: 70%;

}

}

</style>

</head>

<body>

<h1>Interactive Image Gallery</h1>

<!-- Filter Buttons -->

<div class="filter-buttons">

<button onclick="filterImages('all')">All</button>

<button onclick="filterImages('nature')">Nature</button>

<button onclick="filterImages('city')">City</button>

<button onclick="filterImages('people')">People</button>

</div>

<!-- Image Gallery -->

<div class="gallery" id="gallery">

<div class="gallery-item nature"><img src="https://via.placeholder.com/400x300/228B22/fff?text=Nature+1" alt="Nature 1"></div>

<div class="gallery-item city"><img src="https://via.placeholder.com/400x300/1E90FF/fff?text=City+1" alt="City 1"></div>

<div class="gallery-item people"><img src="https://via.placeholder.com/400x300/FF6347/fff?text=People+1" alt="People 1"></div>

<div class="gallery-item nature"><img src="https://via.placeholder.com/400x300/2E8B57/fff?text=Nature+2" alt="Nature 2"></div>

<div class="gallery-item city"><img src="https://via.placeholder.com/400x300/4682B4/fff?text=City+2" alt="City 2"></div>

<div class="gallery-item people"><img src="https://via.placeholder.com/400x300/CD5C5C/fff?text=People+2" alt="People 2"></div>

</div>

<!-- Lightbox -->

<div class="lightbox" id="lightbox">

<span class="lightbox-close" onclick="closeLightbox()">&times;</span>

<div class="lightbox-controls">

<span onclick="prevImage()">&#10094;</span>

<span onclick="nextImage()">&#10095;</span>

</div>

<img id="lightbox-img" src="" alt="Expanded view">

</div>

<script>

const galleryItems = document.querySelectorAll('.gallery-item');

const lightbox = document.getElementById('lightbox');

const lightboxImg = document.getElementById('lightbox-img');

let currentIndex = 0;

let filteredItems = Array.from(galleryItems);

galleryItems.forEach((item, index) => {

item.addEventListener('click', () => {

currentIndex = filteredItems.indexOf(item);

showLightbox(filteredItems[currentIndex].querySelector('img').src);

});

});

function showLightbox(src) {

lightboxImg.src = src;

lightbox.style.display = 'flex';

}

function closeLightbox() {

lightbox.style.display = 'none';

}

function nextImage() {

currentIndex = (currentIndex + 1) % filteredItems.length;

showLightbox(filteredItems[currentIndex].querySelector('img').src);

}

function prevImage() {

currentIndex = (currentIndex - 1 + filteredItems.length) % filteredItems.length;

showLightbox(filteredItems[currentIndex].querySelector('img').src);

}

function filterImages(category) {

filteredItems = [];

galleryItems.forEach(item => {

if (category === 'all' || item.classList.contains(category)) {

item.style.display = 'block';

filteredItems.push(item);

} else {

item.style.display = 'none';

}

});

}

</script>

</body>

</html>