

## Task 1: Image Gallery

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
content="width=device-width, initial-scale=1">
  <title>Responsive Image Gallery</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      background: #f5f5f5;
      margin: 0;
      padding: 20px;
    }

    h1 {
      margin-bottom: 10px;
    }

    .filter-buttons button {
      padding: 10px 20px;
      margin: 5px;
      border: none;
      background-color: #333;
      color: white;
      cursor: pointer;
      border-radius: 5px;
    }

    .filter-buttons button:hover {
      background-color: #555;
    }

    .gallery {
      display: grid;
      grid-template-columns: repeat(auto-fit,
minmax(200px, 1fr));
      gap: 15px;
      padding: 20px;
    }
```

```
.image {  
  transition: transform 0.3s ease;  
  cursor: pointer;  
}
```

```
.image:hover {  
  transform: scale(1.05);  
}
```

```
.image img {  
  width: 100%;  
  height: auto;  
  border-radius: 8px;  
}
```

```
/* Lightbox Styles */
```

```
.lightbox {  
  display: none;  
  position: fixed;  
  z-index: 999;  
  padding-top: 60px;  
  left: 0;  
  top: 0;  
  width: 100%;  
  height: 100%;  
  overflow: auto;  
  background-color: rgba(0, 0, 0, 0.9);  
}
```

```
.lightbox-content {  
  margin: auto;  
  display: block;  
  max-width: 90%;  
  max-height: 80vh;  
}
```

```
.close {
  position: absolute;
  top: 20px;
  right: 45px;
  color: white;
  font-size: 40px;
  font-weight: bold;
  cursor: pointer;
}
</style>
</head>
<body>

<h1>Responsive Image Gallery</h1>

<div class="filter-buttons">
  <button onclick="filterImages('all')">All</button>
  <button onclick="filterImages('nature')">Nature</
button>
  <button onclick="filterImages('animals')">Animals</
button>
</div>

<div class="gallery">
  <div class="image nature"></div>
  <div class="image animals"></div>
  <div class="image nature"></div>
  <div class="image animals"></div>
  <div class="image nature"></div>
</div>
```

```
<!-- Lightbox Modal -->
<div id="lightbox" class="lightbox">
  <span class="close"
onclick="closeLightbox()">&times;</span>
  <img class="lightbox-content" id="lightbox-img">
</div>
```

```
<script>
  // Filter Function
  function filterImages(category) {
    const images =
document.querySelectorAll('.gallery .image');
    images.forEach(img => {
      if (category === 'all' ||
img.classList.contains(category)) {
        img.style.display = 'block';
      } else {
        img.style.display = 'none';
      }
    });
  }
}
```

```
  // Lightbox Function
  const lightbox =
document.getElementById('lightbox');
  const lightboxImg =
document.getElementById('lightbox-img');
```

```
  document.querySelectorAll('.image
img').forEach(img => {
    img.addEventListener('click', () => {
      lightbox.style.display = 'block';
      lightboxImg.src = img.src;
    });
  });
```

```
  function closeLightbox() {
    lightbox.style.display = 'none';
  }
</script>
```

```
</body>
</html>
```