

Front-End UI/UX Mini Project

Project Submission

Title Page

1. Project Title:

Coldplay Universe — A Responsive Band Fan Page Experience

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2. Course:

UI/UX Design Fundamentals

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4. Date of Submission:

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5. Abstract

This project is a vibrant, fully responsive fan website dedicated to Coldplay, one of the world's most iconic bands. The site immerses fans in Coldplay's discography, live performances, member profiles, exclusive merchandise, and opportunities to connect. With a modern visual identity, interactive audio previews, multimedia galleries, and dynamic sections, the site seamlessly adapts to all devices, ensuring accessibility and a premium user experience. The final outcome is a professional-grade tribute site that blends engaging content and advanced web design, providing fans with music, news,

tour details, and more.

6. Objectives

- Use structured HTML5 semantic elements for clarity and accessibility.
- Build a visually compelling and fully responsive layout using CSS3.
- Implement rich interactive features (audio previews, galleries, merchandise shopping).
- Create a site that is accessible and easily navigable on mobile, tablet, and desktop.
- Ensure brand consistency with custom themes and accent color variables.
- Deliver a self-contained solution with no external JS libraries—pure code for transparency and learning value.

7. Scope of the Project

This project delivers a full-featured fan website for Coldplay using only open-source tools (HTML5, CSS3, and basic JavaScript). All code is original and written from scratch—no frameworks or external plugins were used. The scope includes music previews with Play/Pause functionality, background video integration, responsive design, a gallery, merchandise, a sign-up/newsletter form, and working navigation. Advanced server-side features (such as a real newsletter subscription) are not within the current scope.

8. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

9. HTML Structure Overview

Header: Sticky navigation bar with anchor links to all sections.

Hero: Large intro banner with the band name, tagline, CTA, and looping video background.

Albums: Grid of albums with cover images, info, and embedded audio previews featuring Play/Pause buttons.

Live Video: Concert video background overlaid with content for immersive storytelling.

Band Members: Flip-card grid for member photos and details.

Photo Gallery: Uniform, responsive image grid with hover effects.

Merchandise: Product grid for official band tees, hoodies, and posters with Shop Now buttons.

Newsletter: Stylish email sign-up form with inline success feedback using only CSS/HTML.

Contact Form: Layout for user messages (non-functional).

Footer: Centered, with clickable Spotify and YouTube icons linking to official pages.

10. CSS Styling Strategy

Modular CSS using custom variables for color accents (`--accent1`, `--accent2`), backgrounds, and text.

Grid and flexbox for layout responsiveness: auto-adjusts grids and columns by screen size.

Use of `object-fit: cover` and explicit sizing for consistent album and gallery images.

Smooth hover/active states for buttons, images, and navigation for interactivity and accessibility.

Media queries for typography and layout on small screens.

Decorative backgrounds using gradients, overlays, and filtered backgrounds to evoke Coldplay's cosmic aesthetic.

Techniques Used

- Media queries for screen responsiveness.
- CSS variables for maintaining color/theme consistency and easy customization.
- Absolute positioning (where needed) and padding tweaks for layered effects without overlapping

11. Challenges Faced & Solutions

Challenge	Solution
Overlapping or hidden buttons/controls	Used z-index, absolute/relative positioning, and padding to ensure Play buttons, overlays, and navigation never interfere with each other.
Responsive image sizing in gallery	Switched from plain images to grid with fixed width/height and object-fit: cover.
Navigation Shift on Mobile	Applied media queries and tested with different device sizes in Chrome DevTools.
Autoplay/interaction browser policies	Used Play/Pause buttons instead of auto-play to comply with Chrome/Edge/Firefox sound restrictions.
Visual Consistency in Theming	Standardized color scheme through CSS variables, consistent glass effects and gradients site-wide.

12.Outcome

This project reinforced the importance of clear HTML structure, thoughtful CSS theming, and directly addressing accessibility and responsive issues. By building each UI element from scratch, I deepened my grasp on CSS grid/flexbox, absolute/relative positioning, and variable-based theming—skills invaluable to building modern, accessible sites. I also learned to handle browser media restrictions and to design layouts that elegantly degrade or adapt when features (like audio autoplay) are blocked.

13. Future Enhancements

Integrate a real backend for newsletter/email capture.

Add a full-screen lightbox modal to the photo gallery.

Expand merchandise with dynamic data and payments.

Build member bios and band history into dedicated subpages.

Enhance accessibility with ARIA labels and tab navigation

Sample Code

HTML Structure for Hero Section

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1" />
6     <title>Coldplay | Official Fan Page</title>
7     <link rel="stylesheet" href="style.css" />
8   </head>
9   <body>
10    <header id="navbar">
11      <div class="logo">COLDPLAY</div>
12      <nav>
13        <a href="#home">Home</a>
14        <a href="#albums">Albums</a>
15        <a href="#gallery">Gallery</a>
16        <a href="#merch">Merchandise</a>
17        <a href="#members">Members</a>
18        <a href="#contact">Contact</a>
19      </nav>
20    </header>
21
22    <!-- Hero Section -->
23    <section id="home" class="hero">
24      <video class="hero-video" autoplay muted loop playsinline>
25        <source src="intro video.mp4" type="video/mp4" />
26        Your browser does not support the video tag.
27      </video>
28
29      <div class="hero-content">
30        <h1>Coldplay</h1>
31        <p>A journey through sound, light, and emotion.</p>
32        <a href="#albums" class="btn">Explore Albums</a>
33      </div>
34    </section>
```

Albums Section HTML with Audio Previews

```
<!-- Albums -->
<section id="albums">
  <h2 class="section-title">Albums</h2>
  <div class="album-grid">
    <!-- Album 1 -->
    <div class="album-card">
      
      <div class="album-info">
        <h3>Parachutes</h3>
        <p>2000 📀 The debut masterpiece with 'Yellow'.</p>
      </div>
      <audio id="audio-parachutes" src="Coldplay - Parachutes.mp3"></audio>
      <button class="audio-btn" data-audio="audio-parachutes">Play</button>
    </div>

    <!-- Album 2 -->
    <div class="album-card">
      
      <div class="album-info">
        <h3>A Rush of Blood to the Head</h3>
        <p>2002 📀 Critically acclaimed, full of anthems.</p>
      </div>
      <audio
        id="audio-rush"
        src="Coldplay - A Rush of Blood to the Head.mp3"
      ></audio>
      <button class="audio-btn" data-audio="audio-rush">Play</button>
    </div>
  </div>
</section>
```

Merchandise Section HTML

```
<!-- Merchandise -->
<section id="merch">
  <h2 class="section-title">Official Merchandise</h2>
  <div class="merch-grid">
    <div class="item">
      
      <p>Coldplay T-shirt</p>
      <a
        href="https://eustore.coldplay.com/products/abu-dhabi-january-2025-music-of-the-spheres-limited-edition-tour-tee-copy"
        class="btn"
        target="_blank"
        rel="noopener noreferrer"
      >Shop Now</a>
    </div>

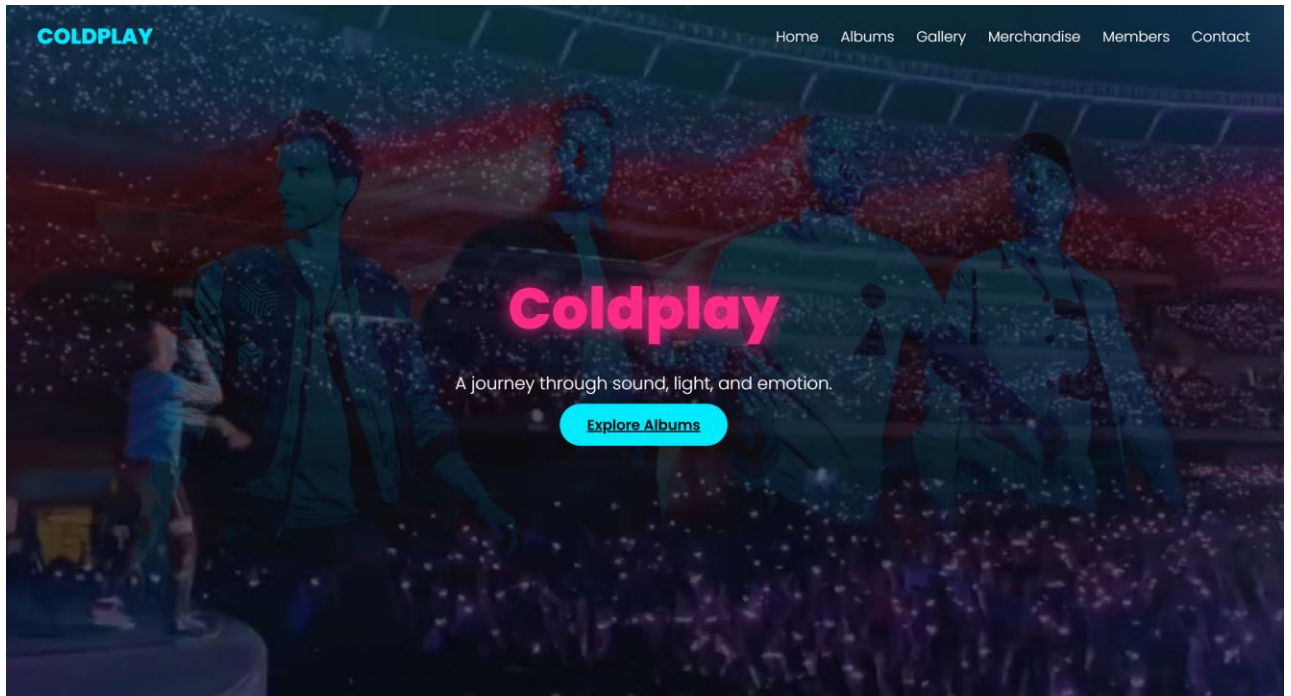
    <div class="item">
      
      <p>COLDPLAY LOGO HOODIE</p>
      <a
        href="https://eustore.coldplay.com/products/mlogohoodie"
        class="btn"
        target="_blank"
        rel="noopener noreferrer"
      >Shop Now</a>
    </div>
  </div>
</section>
```

CSS code for body section

```
# style.css > body
1  @import url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;600;800&display=swap');
2
3  :root{
4      --accent1: #ff2a89;
5      --accent2: #00eaff;
6      --bg-dark: #0a0a1a;
7      --text-light: #fff;
8  }
9
10 *{margin:0; padding:0; box-sizing:border-box;}
11 body{
12     font-family:'Poppins',sans-serif;
13     color:var(--text-light);
14     background: var(--bg-dark);
15     scroll-behavior: smooth;
16 }
17
18 /* Cosmic Background */
19 body::before {
20     content:"";
21     position:fixed;
22     inset:0;
23     background:
24         linear-gradient(rgba(0,0,0,0.6), rgba(10,10,26,0.9)),
25         url('download.jpg') center/cover fixed;
26     z-index:-1;
27 }
28
29 /* Navbar */
30 header{
31     position:fixed;
32     top:0; left:0;
33     width:100%;
34     padding:20px 40px;
35     display:flex;
36     justify-content:space-between;
37     align-items:center;
38     background:transparent;
39     transition:0.3s;
```


14. Screenshots of Final Output

Desktop Hero section with looping video and background



Responsive Albums grid with Play/Pause buttons

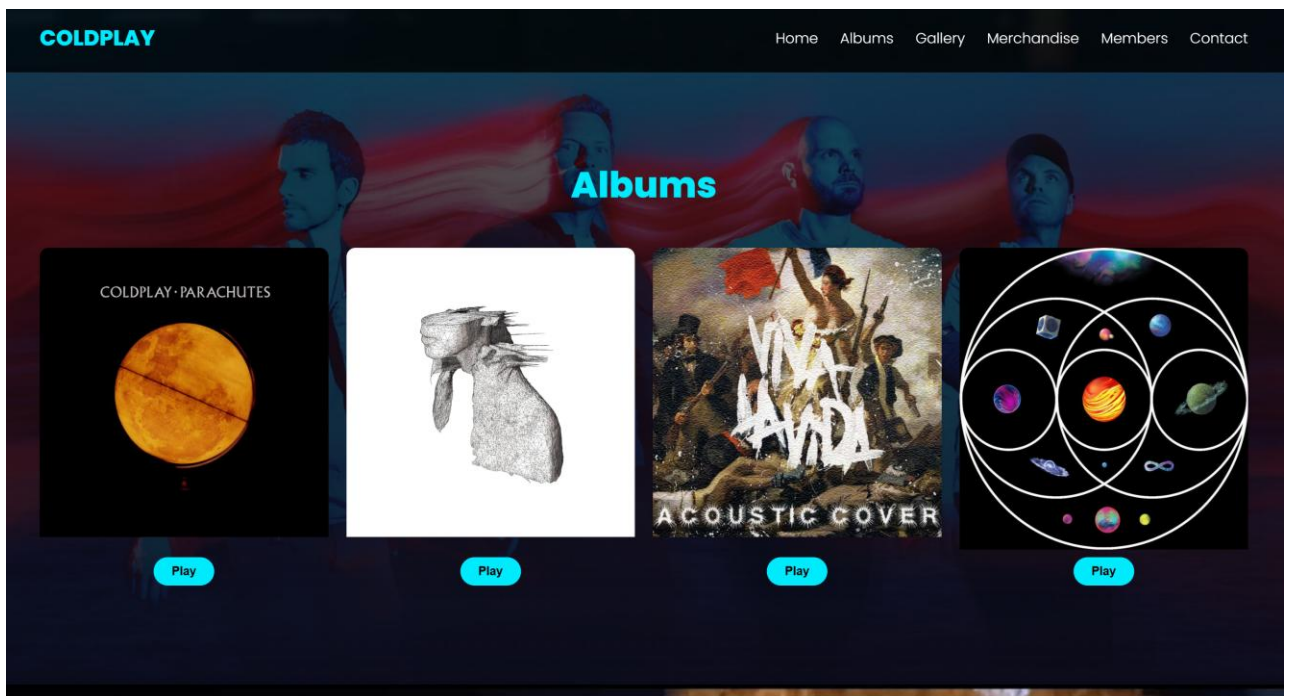
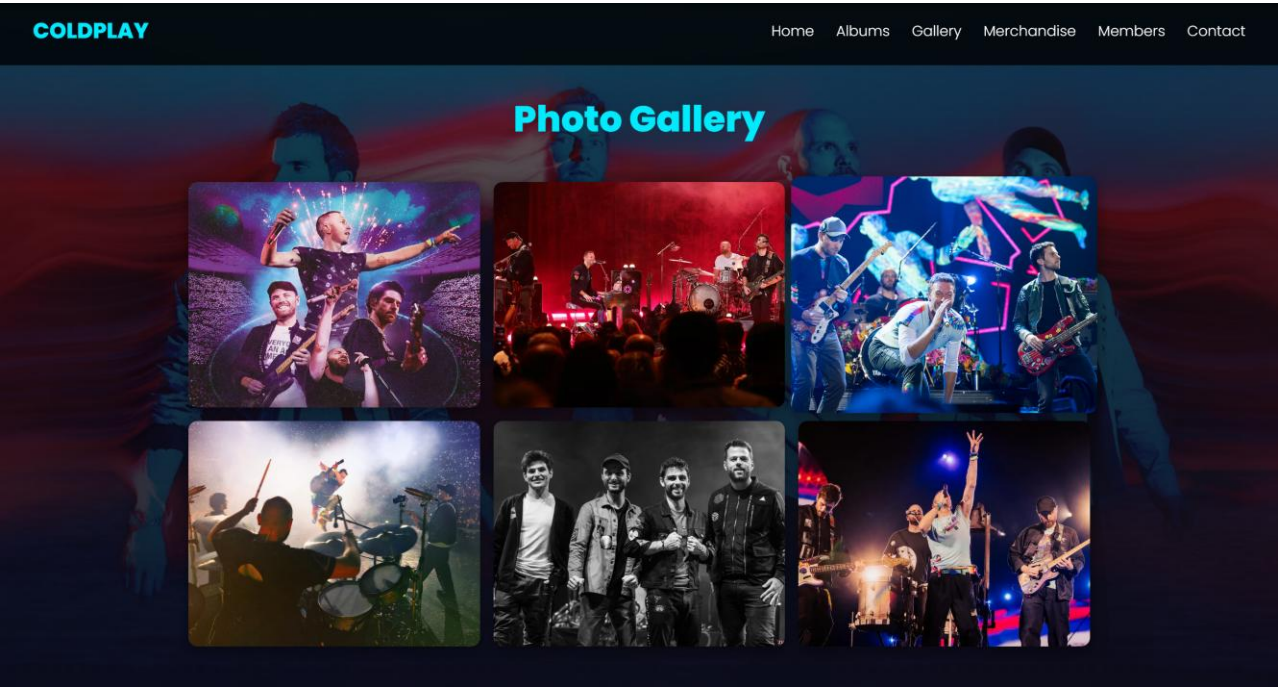
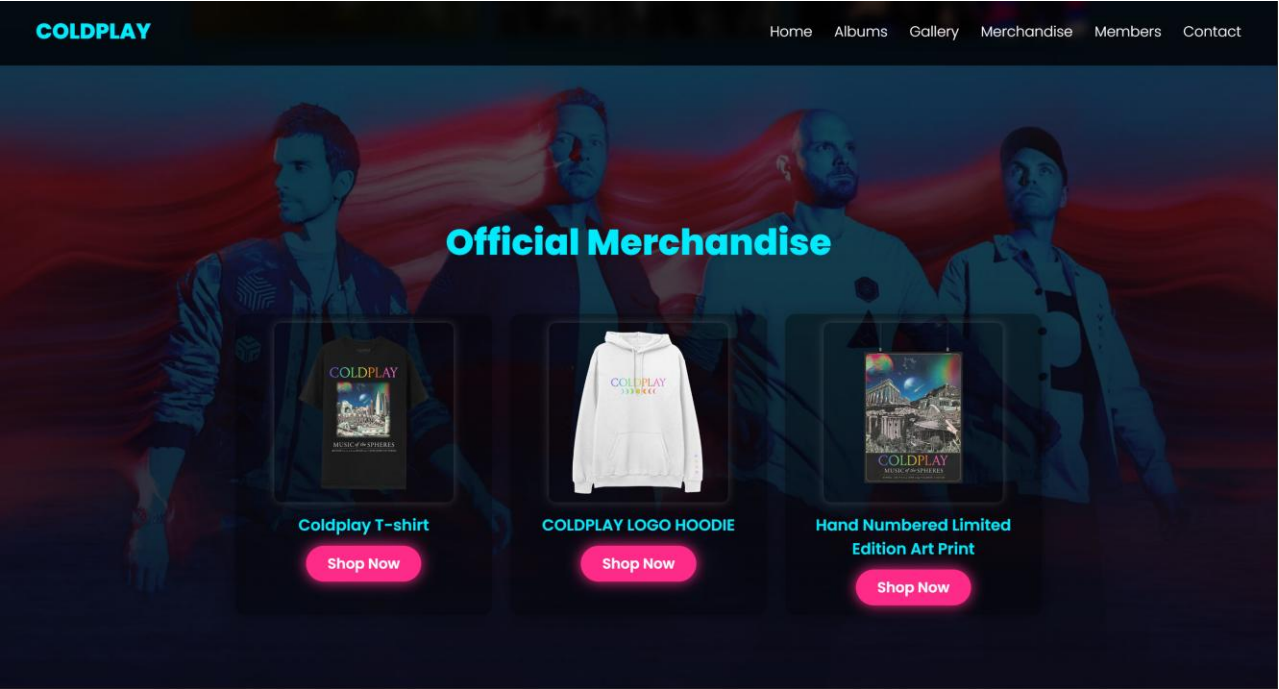


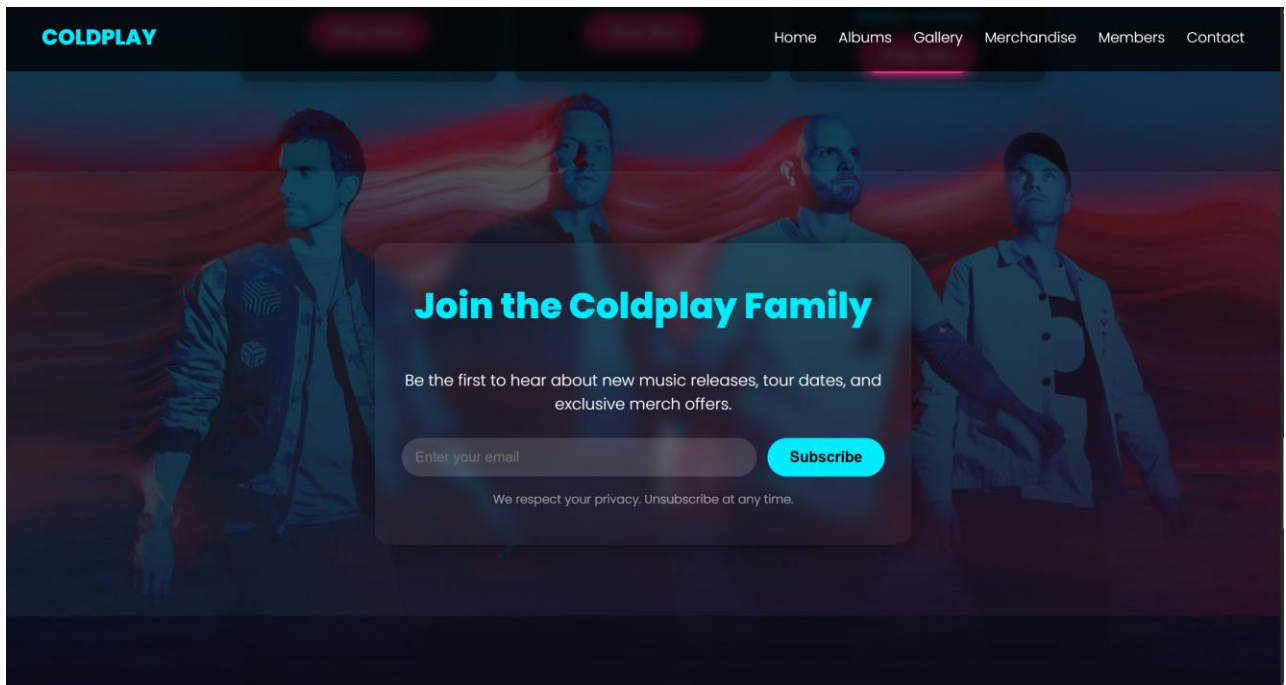
Photo Gallery



Merchandise section with uniform product cards



Newsletter form with visual feedback



11. Conclusion

The Coldplay Universe – A Responsive Band Fan Page Experience project successfully delivers a visually engaging, user-friendly, and fully responsive website dedicated to celebrating the music and journey of Coldplay. Through the use of semantic HTML5, modern CSS3 techniques, and minimal JavaScript, the site integrates multiple interactive and multimedia features including audio previews, looping background videos, merchandise showcases, responsive image galleries, and links to official platforms like Spotify and YouTube.

The layout adapts seamlessly across devices, ensuring accessibility and a consistent brand theme inspired by Coldplay's cosmic aesthetic. The design choices — from accent color schemes to interactive hover effects — effectively convey the band's vibrant energy while keeping the interface clean and intuitive.

This project demonstrated practical skills in front-end development, responsive design, and UI/UX best practices, overcoming challenges such as managing overlapping interactive elements and ensuring media compatibility across browsers. The final outcome is not only a tribute to Coldplay but also a showcase of technical and creative web design ability. With minor backend enhancements, it could evolve into a fully functional fan hub with live content updates. The application of design principles also enhanced my understanding of user-centric web design.

12. References

Links

- **Live Demo:** https://joshuazacharyjose.github.io/UI_UX_Coldplay_Music_Band_Website/
- **GitHub Repo:**
https://github.com/joshuazacharyjose/UI_UX_Coldplay_Music_Band_Website
- **L&T LMS:** <https://learn.Intedutech.com/Landing/MyCourse>