



Front-End UI/UX Mini Project

Favorite City Vlog

Submitted By:

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Course: L&T FrontEnd UI/UX

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Date of Submission: 11/8/2025

Abstract:

This project aims to design and develop a responsive city-themed blog website focused on showcasing the attractions, culture, and lifestyle of Electronic City. Built entirely with HTML5 and CSS3, the website features a hero banner, featured blog posts, attractions list, cultural highlights, image galleries, and a contact section with embedded Google Maps. The key goal is to create an engaging, visually appealing, and user-friendly platform for readers to explore the city's technological and cultural aspects. The layout is fully responsive, adapting seamlessly to desktops, tablets, and mobile devices, with a clean navigation structure and interactive hover effects. The final outcome is a functional front-end website that effectively promotes Electronic City's uniqueness and serves as an informative resource for residents, visitors, and enthusiasts.

Objectives:

- Design a visually appealing and user-friendly blog interface using modern UI principles
- Develop a fully responsive layout using only HTML5 and CSS3 for seamless viewing on all devices
- Implement structured HTML5 semantic elements for clear content organization and improved accessibility
- Apply CSS styling to establish consistent branding, layout structure, and responsive behavior
- Ensure accessibility, readability, and smooth navigation across desktop, tablet, and mobile platforms

Scope of the Project:

- Focused solely on front-end design and content presentation for the blog website
- No JavaScript functionality or server-side integration implemented
- Designed to adapt seamlessly to desktop, tablet, and mobile viewports
- Built entirely using open-source tools and pure HTML5 and CSS3 code without any external frameworks or libraries
- Includes core sections such as Home, Attractions, Culture, Gallery, and Contact with embedded Google Maps

Tools & Technologies Used:

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

HTML Structure Overview:

- Used semantic tags: `<header>`, `<nav>`, `<main>`, `<section>`, `<footer>` for better readability and accessibility
- Structured into reusable sections: Home, Attractions, Culture, Gallery, and Contact
- Implemented a navigation menu using `` and anchor links (`#section-id`) for smooth in-page navigation

CSS Styling Strategy:

- Used an internal CSS stylesheet embedded within the `<style>` tag in the HTML file
- Organized styles with clear comments and logical grouping for easier maintenance
- Techniques used:
 - Flexbox for navigation layout and element alignment
 - CSS Grid for attractions and gallery sections
 - Media Queries to ensure responsiveness across different screen sizes
 - Hover effects and smooth transitions for interactive elements
 - Mobile-first design approach to prioritize smaller screen optimization

Key Features:

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top nav with anchor links

Project Cards	Flex-based layout with hover effects
Contact Form (non-functional)	Placeholder layout for inputs and button
Accessible Fonts & Colors	High contrast and readable typography

Challenges Faced & Solutions:

Challenge	Solution
Overlapping elements on small screens	Used media queries to stack elements
Difficulty aligning items using float	Shifted to Flexbox and Grid
Typography scaling issue	Used relative units (em/rem) instead of px

Outcome:

- Achieved a clean, consistent, and visually engaging blog layout representing Electronic City's attractions and culture
- Successfully implemented all core sections and navigation features using only HTML5 and CSS3
- Ensured full responsiveness across desktop, tablet, and mobile devices without external libraries
- Gained practical experience in designing user-friendly layouts, structuring semantic HTML, and applying CSS for branding, responsive design, and UI hierarchy

Future Enhancements:

- Add JavaScript for interactive features such as form validation, dynamic content updates, and smooth scrolling
- Integrate advanced animations and transitions to enhance user engagement
- Implement backend integration to enable functional contact and newsletter subscription forms



- Include a theme toggler for switching between light and dark modes
- Add a search functionality for quickly finding specific attractions, events, or blog posts

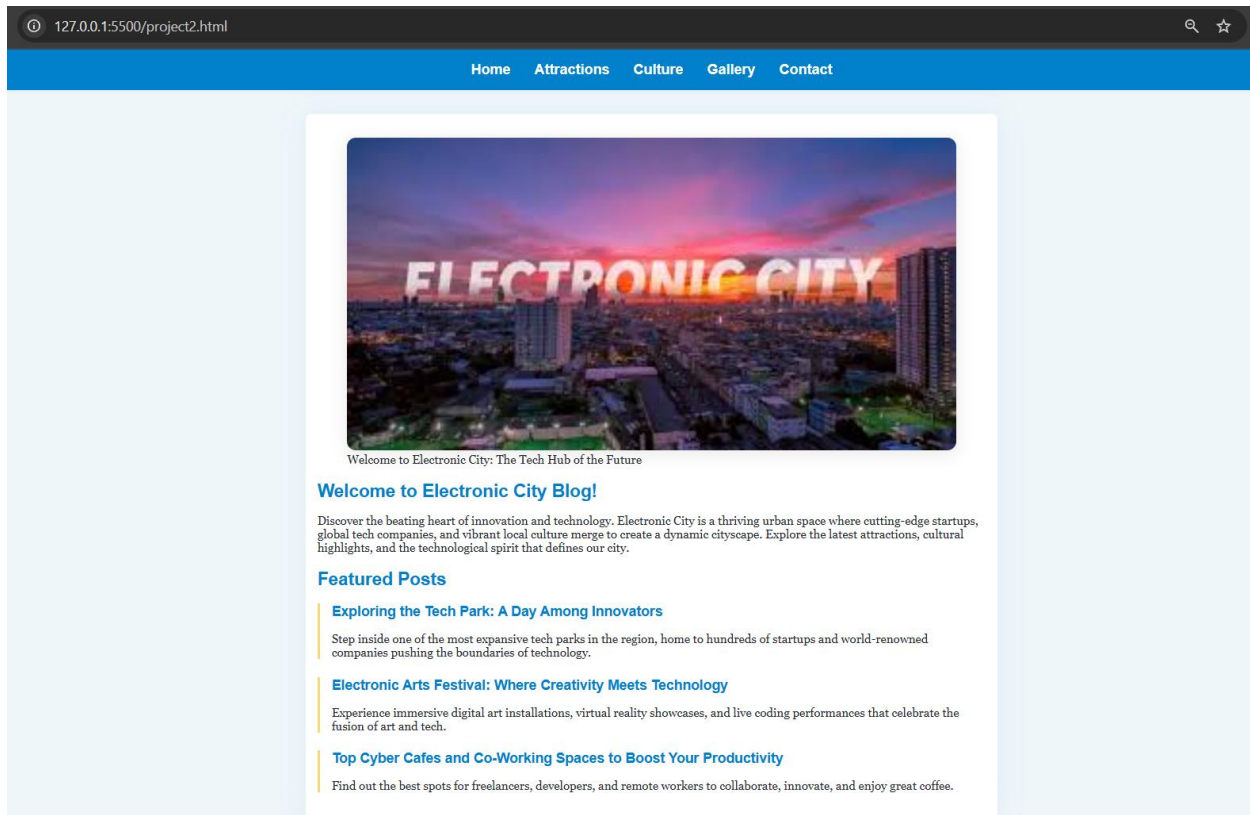
12. Sample Code:

```
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>Electronic City Blog</title>
7 <style>
8 /* --- CSS Styles --- */
9 body {
10   margin: 0;
11   font-family: 'Georgia', serif;
12   background: #eefefa;
13   color: #24292e;
14 }
15 header {
16   background: #0180cb;
17   color: #fff;
18   padding: 1em 0;
19   box-shadow: 0 2px 8px rgba(0,0,0,0.04);
20 }
21 nav ul {
22   display: flex;
23   justify-content: center;
24   gap: 2em;
25   list-style: none;
26   margin: 0;
27   padding: 0;
28 }
29 .nav-link {
30   text-decoration: none;
31   color: #fff;
32   font-family: 'Roboto', Arial, sans-serif;
33   font-weight: bold;
34   font-size: 1.2em;
35   transition: color 0.2s;
36 }
37 .nav-link:hover {
38   color: #f6db76;
39 }
40
```

```
HTML > project2.html > html > head > style > footer
2 <html lang="en">
3 <head>
7 <style>
40 main {
42   margin: 2em auto;
43   padding: 1em;
44   background: #fff;
45   border-radius: 8px;
46   box-shadow: 0 2px 40px rgba(0, 128, 203, 0.07);
47 }
48 h1, h2, h3 {
49   font-family: 'Roboto', Arial, sans-serif;
50   color: #0180cb;
51   margin-bottom: 0.6em;
52 }
53 .hero img {
54   width: 100%;
55   height: auto;
56   border-radius: 12px;
57   box-shadow: 0 4px 24px rgba(0,0,0,0.09);
58 }
59 .featured-posts article {
60   margin-bottom: 1.5em;
61   border-left: 4px solid #f6db76;
62   padding-left: 1em;
63 }
64 .attractions-list {
65   display: grid;
66   grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
67   gap: 2em;
68 }
69 .attractions-list figure img {
70   width: 100%;
71   border-radius: 8px;
72 }
73 .gallery-grid {
74   display: grid;
75   grid-template-columns: repeat(auto-fit, minmax(230px, 1fr));
76   gap: 2em;

```

Screenshots of Final Output:



Conclusion:

This is a city-themed blog website that showcases Electronic City's attractions, culture, gallery, and contact information through a clean and responsive layout. Built entirely with HTML5 and CSS3, the project emphasizes accessibility, visual appeal, and smooth navigation. This mini project helped me strengthen my front-end development skills, particularly in semantic HTML structuring, CSS-based layout design, and responsive web development. I gained practical insights into using Flexbox, Grid, and media queries, as well as enhancing user interface aesthetics through hover effects and color schemes. The hands-on implementation of design principles also improved my understanding of creating user-friendly, content-focused websites.



12. References

- L&T LMS : <https://learn.intedutech.com/Landing/MyCourse>
- W3Schools : <https://www.w3schools.com/>