

DEV1001-Introduction to Web Development

Assessment 1 - Portfolio - Individual Programming Project

Assessment Purpose Overview

The Assessment Purpose of DEV1001 - Introduction to Web Development is to build a website showcase, to future employers, presenting my talent to design, develop and deploy a website by incorporating best practices in HTML and CSS, while adhering to principles of responsive design, accessibility, and user interactivity.

As I am still a student with limited experience and professional projects, I have taken the liberty to create a fictional business name, address, contact details, logo, as well as its vision, mission, and project descriptions, and to complete the content on this website.

These fictional elements were included to enrich the articles and provide a cohesive structure. However, information about myself—such as my personal background, where I am from, my hobbies and interests, is completely real and authentic.

Assessment features

This project includes:

- **Accessible and Semantic HTML Elements:** Using tags like `<header>`, `<main>`, `<section>`, `<article>`, `<nav>`, and `<footer>` to enhance the website's structure and accessibility.
- **Responsive Design:** Media queries and fluid layouts allow the website to adapt seamlessly across devices, from mobile screens to desktops.
- **Modern CSS Techniques:** Styled using CSS variables, flexbox, and keyframe animations for a professional, modern look.
- **Interactivity:** Smooth animations, hover states, and subtle transitions that enhance user engagement.
- **Cohesive Design Theme:** Consistent colors, fonts, and spacing for visual harmony, aligned with the design brief.

Errors and Validations

HTML

All .html files were validated and all have received this message: **Document checking completed. No errors or warnings to show.**

CSS

All CSS files were successfuly validated by W3C CSS level 3 + SVG validation tool.

Credits

- Font Awesome for icons.
- W3 schools CSS Tutorials for Animations and Text Effects inspirations.

- W3C Validator for ensuring HTML and CSS validity.

LWS Lorena Web Solutions

Website Portfolio Overview

This project is a portfolio website designed to showcase my skills, creativity, coding expertise, and the services offered by Lorena Web Solutions company.

The website has been developed following the best practices of syntactically and semantically valid HTML5 and CSS3, ensuring both accessibility and responsive design. It was built using a mobile-first approach and has been also fully optimized for tablets and larger screens.

The site comprises four pages: **Home**, **Services**, **About Us**, and **Contact**. Each page provides relevant content and incorporates appropriate design elements tailored to different screen sizes, offering a seamless user experience across devices.

Additionally, the website includes animated elements that enhance interactivity by highlighting buttons or displaying essential information relevant to each page.

Further details on these features and design practices are covered in this document.

Components

Header and Navigation bar

The header prominently features the company logo, its written name, and a navigation bar. These elements are consistently displayed across all screen sizes, ensuring users can easily navigate and access them throughout the website's pages.

For medium-sized screens, the written company name has been intentionally removed as part of a creative design decision aimed at enhancing clarity and maintaining a streamlined layout. This adjustment reflects thoughtful consideration of user experience and design aesthetics.

```
<header>
  <div class="logo-name">
    
  </div>
  <div class="name">Lorena Web Solutions
  </div>
  <nav>
    <a id="highlight" href="#">Home</a>
    <a href="pages/services.html">Services</a>
    <a href="pages/about.html">About Us</a>
    <a href="pages/contact.html">Contact</a>
  </nav>
</header>
```

Main

Footer

Footer has social media links and some other information such as contact and address. Here is the code we have for the footer:

All those elements will be shown at the same time only on large screen. This decision reflects thoughtful consideration of user experience and design aesthetics.

```
<footer>
  <div class="social-media">
    <a href="https://www.facebook.com" target="_blank"> <i class="fa-brands
fa-facebook"></i></a>
    <a href="https://www.linkedin.com" target="_blank"> <i class="fa-brands
fa-linkedin"></i></a>
    <a href="https://www.whatsapp.com" target="_blank"> <i class="fa-brands
fa-square-whatsapp"></i></a>

  </div>
  <div class="info">
    <p>Company Name</p>
    <p>Address: 1 Street, suburb</p>
    <p>Phone</p>
    <p>Email</p>
  </div>
</footer>
```