**Assignment: Building a Responsive Website using HTML5 and CSS**

In this assignment, you will develop a responsive website for a hypothetical small business, namely "Cafe Delights". The website will contain a homepage, a menu page, a location page, and a contact us page.

**Requirements:**

1. **Homepage (index.html)**: This should be the landing page for the website. It must include a header with the business's name and navigation links to other pages. It should also contain an attractive description of the business, any promotions, and high-quality images of the cafe and the food.
2. **Menu Page (menu.html)**: This page should display a list of menu items available at the cafe. Each menu item should have a name, description, price, and a picture.
3. **Location Page (location.html)**: This page should display the physical address of the business and the working hours. Embed a Google Maps view of the business's location.
4. **Contact Us Page (contact.html)**: This page should contain a contact form (name, email, and message fields), the cafe's phone number, and email address.
5. **Design**: The website should be designed using CSS, ensuring it is visually appealing and consistent. Include specific styles for headers, paragraphs, links, and images.
6. **Responsiveness**: The website should be responsive and should look good on all device sizes (desktop, tablet, mobile).
7. **Accessibility**: All images should have appropriate alt attributes, and form inputs should have associated labels for accessibility.
8. **Validation**: All HTML and CSS should be valid according to the W3C validation services.

**Steps to Completion:**

1. **Planning**: Create a simple wireframe for how you want the pages to look. Consider both desktop and mobile views.
2. **HTML Coding**: Create the basic structure of the four pages using HTML5. Add all the necessary elements like headers, paragraphs, links, lists, images, and forms.
3. **CSS Styling**: Add CSS to style your pages. Make sure to use external CSS files and link them to your HTML files. Try to use CSS Grid or Flexbox for layouts.
4. **Testing**: Test your website on different devices to make sure it's fully responsive. Make adjustments as necessary.
5. **Validation and Accessibility Checking**: Use the W3C Validator to check your HTML and CSS. Fix any errors that it reports. Also, use a tool like the WAVE Web Accessibility Evaluation Tool to check your site for accessibility issues and fix them.
6. **Submission**: Compress your HTML and CSS files into a ZIP file for submission.

**Deliverables:**

* The four HTML files (index.html, menu.html, location.html, and contact.html).
* One or more CSS files.
* A brief report that includes your wireframe designs, a description of your design choices, and any challenges you faced and how you overcame them.

**Evaluation:**

Your assignment will be evaluated based on the following criteria:

* Correctness and completeness of the HTML and CSS files.
* The aesthetics and consistency of the design.
* Responsiveness of the website on different devices.
* Accessibility of the website.
* How well your submitted work matches your design plan and wireframes.

**Tips for Success:**

* Plan before you start coding. Sketching your ideas out on paper or using a wireframing tool can help you understand what you need to do.
* Test often. Don't wait until you think you're done to start testing.
* Start with the big layout elements first (like the header and the main content area), and then move on to smaller details.
* Don't forget to add proper comments in your HTML and CSS files. It makes your code easier

Top of Form

Bottom of Form

**HTML Pseudo Code**

**index.html**

<!DOCTYPE html>

<html>

<head>

<title> Cafe Delights </title>

<link to CSS file>

</head>

<body>

<header>

<!-- Navigation bar with logo and links to other pages -->

</header>

<main>

<!-- Description of the business and promotions -->

<!-- Include some high-quality images -->

</main>

<footer>

<!-- Contact information and/or additional links -->

</footer>

</body>

</html>

**menu.html**

<!DOCTYPE html>

<html>

<head>

<title> Cafe Delights - Menu </title>

<link to CSS file>

</head>

<body>

<header>

<!-- Navigation bar -->

</header>

<main>

<!-- List of menu items with name, description, price, and image for each -->

</main>

<footer>

<!-- Contact information and/or additional links -->

</footer>

</body>

</html>

**CSS Pseudo Code**

/\* Styling the body \*/

body {

font-family: Your choice;

color: Your choice;

background-color: Your choice;

}

/\* Styling the header \*/

header {

background-color: Your choice;

height: Your choice;

padding: Your choice;

}

/\* Styling the main content area \*/

main {

margin: Your choice;

}

/\* Styling the footer \*/

footer {

background-color: Your choice;

color: Your choice;

padding: Your choice;

}

/\* Add media queries for responsiveness \*/

@media screen and (max-width: 600px) {

/\* Add your responsive styles here \*/

}

Remember, this is a simplified pseudo code. Your actual HTML will contain more specific elements like **<nav>**, **<ul>**, **<li>**, **<a>**, **<img>**, **<section>**, **<article>**, **<form>**, and **<input>**, and your actual CSS will have many more styles. The specifics will depend on your design choices.