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Scenario for Terminology 2

Scenario

A team is developing a travel guide website aimed at providing comprehensive information about various tourist destinations. The project involves creating a **responsive design** to ensure the website is accessible on multiple devices, implementing **CSS Grid** and **Flexbox** for layout, and using both **external stylesheets** and **internal stylesheets** to manage styles. The team also creates a **content map** or **wireframe** to plan the website structure.

Problem 1: Inconsistent Layout Across Devices

One issue the team encounters is that the website layout appears inconsistent across different devices, with elements overlapping or not aligning properly. This problem arises due to the improper use of **CSS Grid** and **Flexbox** properties, which are crucial for creating a **responsive design**.

Solution

To resolve this, the team conducts a thorough review of their CSS code, ensuring that **media queries** are correctly implemented to adjust the layout for various screen sizes. They utilize **CSS Grid** for the overall page structure and **Flexbox** for aligning items within grid areas. By carefully applying these properties and testing across different devices, the team ensures a consistent and responsive layout.

Problem 2: Styling Conflicts

Another issue is the occurrence of styling conflicts between **external stylesheets** and **internal stylesheets**. Some styles defined in the internal stylesheets are overriding those in the external stylesheets, leading to unexpected visual results.

Solution

The team decides to streamline their stylesheet management by consolidating most of the styles into **external stylesheets**, leaving only critical page-specific styles in **internal stylesheets**. They also establish a clear hierarchy and specificity in their CSS rules to avoid conflicts. By doing so, they achieve a more organized and maintainable stylesheet structure, eliminating styling conflicts.

Terminology

- **Responsive design**: An approach to web design that ensures a website looks and works well on various devices and screen sizes.
- **CSS Grid**: A CSS layout method used for creating complex and responsive grid-based layouts.
- **Flexbox**: A CSS layout model that allows for responsive alignment and distribution of elements within a container.
- **Content map** or **wireframe**: A visual guide that represents the skeletal framework of a website.
- **External stylesheets**: CSS files that are linked to an HTML document from an external file.
- **Internal stylesheets**: CSS rules defined within the HTML document itself, typically within the <style> tag.

In summary, by addressing these challenges and implementing effective solutions, the team not only enhances the visual and functional aspects of the travel guide website but also sets a benchmark for best practices in web development. Their dedication to using the right methods and techniques ensures the creation of a site that is both user-friendly and robust, ready to provide a seamless experience to the end-users.