

Assessment - 5

Specificity Conflicts: CSS rules can sometimes clash because of specificity, which is how the browser decides which styles to apply when multiple rules could apply to the same element. Understanding and managing specificity can be tricky, especially in large projects.

Browser Compatibility: Different browsers may interpret and display CSS in various ways. Ensuring that your website looks consistent across all browsers can be challenging. Sometimes, certain CSS properties are not supported in all browsers, leading to unexpected results.

Responsive Design: Creating a design that looks good on all screen sizes and devices can be complex. It involves using media queries and flexible layouts, which can be difficult to manage and test thoroughly.

CSS Performance: Writing efficient CSS is important because poorly written CSS can slow down the page load times. Avoiding redundant or overly complex selectors is necessary to maintain performance.

CSS Debugging: Debugging CSS issues can be frustrating because there are no error messages to guide you. It's often a process of trial and error to identify which rule is causing a problem.

Maintaining Consistency: Ensuring consistent styles across a large project can be hard. Using a CSS framework or creating a style guide can help, but it requires discipline and coordination among developers.

Cascade and Inheritance Issues: The cascading nature of CSS, where styles are applied in a specific order, can sometimes lead to unexpected results if not managed properly. Understanding how inheritance works and how the cascade affects your styles is essential. Especially the child, sibling selectors and pseudo classes

Integration with JavaScript: Ensuring that CSS and JavaScript work together smoothly can be difficult, especially when dynamically changing styles or handling animations.