

CSS Spelling Grammar Features

Security and Privacy Questionnaire

01. What information does this feature expose, and for what purposes?

The appearance of spelling and grammar markers are exposed to authors via CSS, and the UA default spelling/grammar markers are made available to authors via the CSS text-decoration-line property. The goal is to allow author styling of UA identified spelling and grammar errors, or conversely, allow custom spelling and grammar systems to use UA styled markers.

02. Do features in your specification expose the minimum amount of information necessary to implement the intended functionality?

Minimum in the sense that there's no smaller way to expose this to authors while enabling the functionality.

03. Do the features in your specification expose personal information, personally-identifiable information (PII), or information derived from either?

No.

04. How do the features in your specification deal with sensitive information?

The computed style for spelling and grammar is always reported, regardless of whether an element is actually marked as an error. This prevents leakage of a user's dictionary. Timing attacks are no worse than using the UA spelling/grammar styling because the properties that are styleable are very limited, on par with the UA styling.

05. Do the features in your specification introduce state that persists across browsing sessions?

No.

06. Do the features in your specification expose information about the underlying platform to origins?

No.

07. Does this specification allow an origin to send data to the underlying platform?

No.

08. Do features in this specification enable access to device sensors?

No.

09. Do features in this specification enable new script execution/loading mechanisms?
No.
10. Do features in this specification allow an origin to access other devices?
No.
11. Do features in this specification allow an origin some measure of control over a user agent's native UI?
Yes, it allows origins to modify the appearance of spelling and grammar markers.
12. What temporary identifiers do the features in this specification create or expose to the web?
None.
13. How does this specification distinguish between behavior in first-party and third-party contexts?
Not at all.
14. How do the features in this specification work in the context of a browser's Private Browsing or Incognito mode?
The behavior would be no different to the standard spelling/grammar UI, which may vary due to user-specific dictionary availability.
15. Does this specification have both "Security Considerations" and "Privacy Considerations" sections?
Yes (both relevant specs)
16. Do features in your specification enable origins to downgrade default security protections?
No
17. What happens when a document that uses your feature is kept alive in BFCache (instead of getting destroyed) after navigation, and potentially gets reused on future navigations back to the document?
The behavior does not vary in these situations.
18. What happens when a document that uses your feature gets disconnected?
Nothing.
19. What should this questionnaire have asked?
Upon reflection, I have nothing to add.