

Local storage vs Session storage vs Cookies

Local storage, session storage, and cookies are all mechanisms for storing data on a user's device, but they each have different characteristics and use cases.

Local storage and session storage are both part of the Web Storage API and are designed to allow web applications to store data on a user's device. The key difference between them is that local storage is persistent, meaning that the data will remain on the user's device even after they close their browser or restart their device, while session storage is only available for the duration of the current browsing session and is deleted when the user closes their browser.

Cookies, on the other hand, are small text files that are stored on a user's device by a website. They are typically used to store information about the user's browsing activity, such as login credentials or preferences. Unlike local storage and session storage, cookies can be set to expire after a specific period of time or when the user closes their browser.

In terms of usage, local storage and session storage are typically used for storing application data that needs to persist across multiple sessions or pages, such as user preferences or shopping cart information. Cookies are often used for tracking user behavior, enabling personalized experiences, and remembering user login information.

Overall, the choice between local storage, session storage, and cookies depends on the specific requirements of the application and the type of data that needs to be stored.