



RUTGERS | CODING BOOTCAMP

Session 7.1 - Cookies and Data Persistence

Cookies and Data Persistence

Objectives

- To expose students to the concept and utility of "data persistence" in web applications.
- To demonstrate different methods for client-side data persistence (i.e. localStorage, sessionStorage, and Cookies).
- To build a semi-complex application taking advantage of localStorage to maintain content between browser closes.

Cookies

Cookies are data, stored in small text files, on your computer.

When a web server has sent a web page to a browser, the connection is shut down, and the server forgets everything about the user.

Cookies were invented to solve the problem "how to remember information about the user":

When a user visits a web page, his name can be stored in a cookie.

Next time the user visits the page, the cookie "remembers" his name.

localStorage

HTML local storage, better than cookies.

What is HTML Local Storage?

With local storage, web applications can store data locally within the user's browser.

Before HTML5, application data had to be stored in cookies, included in every server request. Local storage is more secure, and large amounts of data can be stored locally, without affecting website performance.

Unlike cookies, the storage limit is far larger (at least 5MB) and information is never transferred to the server.

Local storage is per origin (per domain and protocol). All pages, from one origin, can store and access the same data.

sessionStorage

The `sessionStorage` property allows you to access a session Storage object. `sessionStorage` is similar to `Window.localStorage`, the only difference is while data stored in `localStorage` has no expiration set, data stored in `sessionStorage` gets cleared when the page session ends. A page session lasts for as long as the browser is open and survives over page reloads and restores. Opening a page in a new tab or window will cause a new session to be initiated, which differs from how session cookies work.

Podcast of the Week



Adventures in Angular

A weekly show dedicated to the
AngularJS framework.

<https://devchat.tv/adventures-in-angular>

Coding Tips

- Create a Real Programming Environment
- Make Programs From Scratch
- Start Small
- Write Lots of Code
- Ask for Help
- Ask for Help the Right Way



http://www.programmingforbeginnersbook.com/blog/when_you_know_the_basics_but_you_still_cant_code/