Saving Data in the Browser

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Web Storage

IndexedDB

Web Storage

Client-only key/value pair for storing small amounts of data in the browser.

DOM Storage

Client-only key/value pair for storing small amounts of data in the browser.

Web Storage

Client-only key/value pair for storing small amounts of data in the browser.

Types of Web Storage

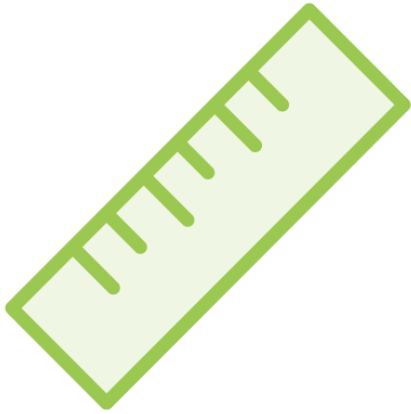**Local Storage**

Session Storage

Security

Per domain

Per session

Capacity

Client controlled

Between 5 and 10MB

Often ~5MB

Web Storage vs. Cookies

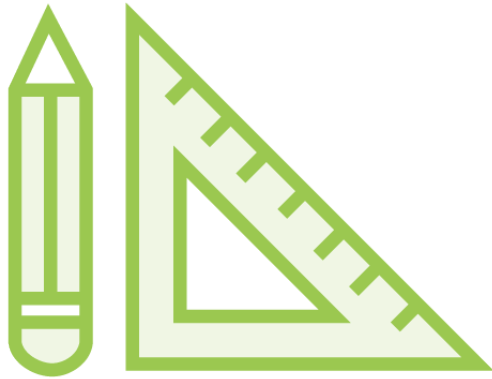| Web Storage	Cookies
Moderate capacity	Small capacity
Data stays on client	Sent to server with each request
Server cannot write to storage	Server can write to cookies

IndexedDB

In-browser document database appropriate for storing large amounts of data.

Features

Document database

Transactional

Same origin policy

Query against known keys

Capacity

Up to 50% of available disk space (all origins)

No more than 20% of allowed space for a single origin

Least recently used (LRU)

User may delete

RAYMOND CAMDEN

IndexedDB and Limits

IndexedDB vs. Web Storage

IndexedDB	Web Storage
High capacity	Moderate capacity
Key-based queries	No query language
Complex API	Simple API

The IndexedDB API is funky, clunky, and awkward.

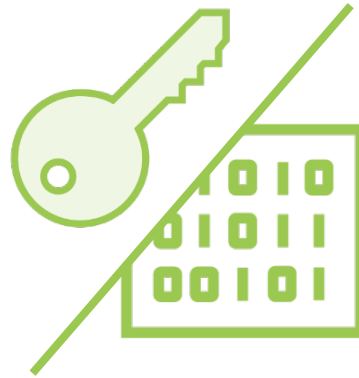- Craig Shoemaker

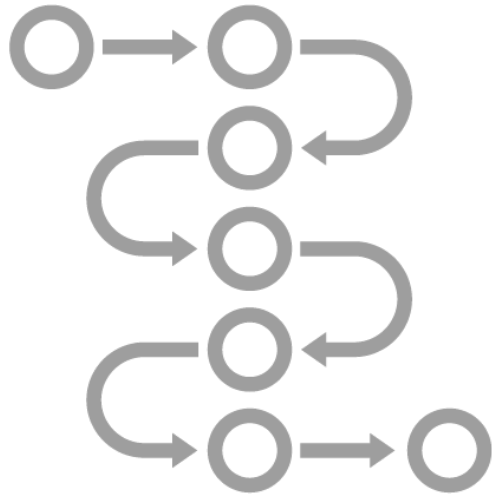https://pouchdb.com/

When and why?

Cookies

Web Storage

IndexedDB

Next Module

Creating "Multithreaded" Web Apps

Web Storage

IndexedDB