Advanced HTML5

Web Storage

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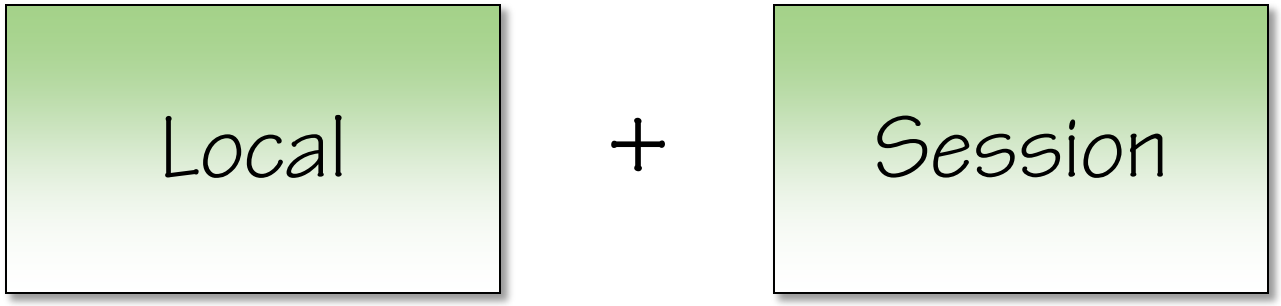
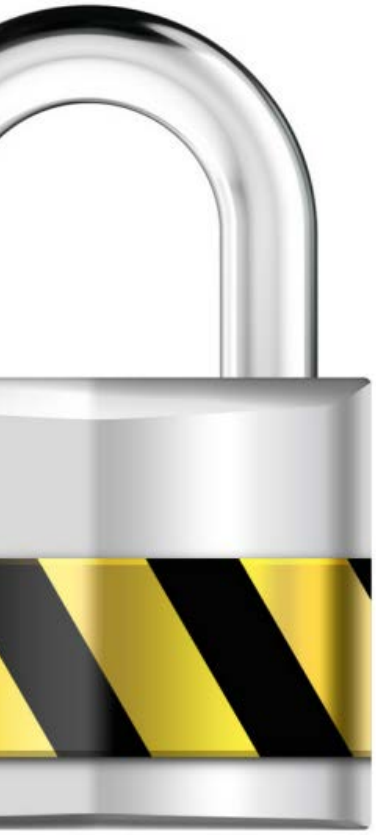
Outline

- **Introduction**
- **What is Web Storage?**
  - Features
- **Web Storage vs. Other Storage Types**
- **Browser Support**
- **Demos**
  - Local Storage – Task List
  - Session Storage – Shopping Cart
  - Clear
  - Size Limit
  - Handing the Storage Event

What is Web Storage?



Security



- Per session
- Per domain

Capacity

- **Client-controlled**
- **Between 2 and 10 MB**
  - Often ~ 5MB

Web Storage vs. Cookies

- Client only
- Larger capacity

Web Storage vs. IndexedDB

- **Simple API**
- **Key/value pair**
  - No query language
- **Widespread availability**

Browser Support

Chrome
4.0+

Firefox
3.5+

Opera
10.6+

Safari
4.0+

IE
8.0+

Browser Support

Chrome 4.0+ | Firefox 3.5+ | Opera 10.6+ | Safari 4.0+ | IE 9.0+

Storage Event

Storage API

- storage.clear
- storage.getItem
- storage.key
- storage.length
- storage.remainingSpace
- storage.removeItem
- storage.setItem

- storage event

Demos

Summary

- **Web Storage API**
  - Local Storage
  - Session Storage
- **Web Storage vs. Cookies**
  - More space available
  - Not transmitted with each request
- **Some browsers allow the user to allow additional space**

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