

HTML5 & CSS3

A chance to Do things Differently

Eng. Niveen Nasr El-Den
SD & Gaming CoE

iSi

The background features a large, dark blue trapezoidal shape on the left side. To its right, there are several overlapping geometric shapes in a light blue color, including a triangle and a parallelogram. At the bottom, there are two horizontal orange bars with 3D effects, one above the other, extending from the center towards the right edge.

Day 2

Web Storage APIs

The background features abstract geometric shapes. A large, light blue triangle points towards the top right corner. A dark blue trapezoidal shape is positioned on the left side, containing the text. In the bottom right corner, there are overlapping horizontal bars in light blue and orange.

Web Storage APIs

- Sometimes called DOM Storage
- Similar to http-cookies, for storing name-value pairs on the client side; **but** can store much larger amount of data.
- Two kinds for storing data on the client
 - ▷ localStorage
 - stores data with no expiration date
 - ▷ sessionStorage
 - stores data for one session

Web Storage APIs

- Web Storage APIs are instance of storage object, and can only store strings.
- It provide up to 5Mbytes per origin
- Same Origin Restrictions
- Stored as key/value pairs, and can only store strings
- We need to check browser support before using Web Storage APIs & add its **polyfill** if needed

Storage Object Methods & Properties

- Methods

- ▷ clear()
- ▷ getItem('key')
- ▷ setItem('key', 'value')
- ▷ removeItem('key')
- ▷ key(idx)

- Properties

- ▷ length

localStorage

`window.localStorage`

- Persistent on page reloads
- Data stored locally with no expiration date.
- Avoids HTTP overhead of cookies
- Great for storing user preferences

sessionStorage


window.sessionStorage

- Data stored for only one session
- Lasts as long as browser is open
- Opening page in new window or tab starts new

session

<http://dev.w3.org/html5/webstorage/>

- Good for sensitive data



Cookies Vs. Web Storage ?