Announcements

- http://www.infoq.com/news/2015/06/nuclide

HTML5 Geolocation API

- **Example:** Geolocation.html
- **Example (in CS server):**
  http://www.cs.umd.edu/~nelson/classes/utilities/Geolocation.html
- Reference:
  - http://www.w3schools.com/html/html5_geolocation.asp

HTML5 Local Storage API

- **localStorage** → stores data with no expiration date
- To store data:
  - localStorage.setItem("name", "Mary");
- To retrieve data:
  - localStorage.getItem("name");
- You can only store strings. You store objects you could use JSON.stringify
- **sessionStorage** → equivalent to localStorage, but data is deleted when the browser is closed
- **Example:** TodoList.html
- To clean localStorage
  - Right click on page in Chrome
  - Select "Inspect element"
  - Select "Console"
  - Type "window.localStorage.clear()"
- Reference: http://www.w3schools.com/html/html5_webstorage.asp

Browser Object Model

- Allows JavaScript to interact with the browser
- **window object**
  - Represents the window
  - Window size properties (Chrome/Firefox)
    - window.innerWidth
    - window.innerHeight
  - Functions
    - window.open()
    - window.close()
    - window.moveTo()
    - window.resizeTo()
- Example:
  - http://www.w3schools.com/jsref/tryit.asp?filename=tryjsref_win_resizeto

Browser Object Model

- **Navigator object**
  - Constains information about the browser
- Properties
  - appName → browser's name
  - platform → platform browser is compiled
  - product → engine name of the browswer
  - userAgent → header sent by browser to server
  - onLine → whether browser is online
- **Example:** Navigator.html

Browser Object Model

- **History object**
  - Constains URLs visited by user
  - Part of the window object
- Functions
  - history.back() → like clicking on back button
  - History.forward() → like clickin forward button
- **Example:** Navigator.html

Browser Object Model

- **Location object**
  - Constains URLs visited by user
- Properties
  - href → URL of current page
- Functions
  - location.assign → loads a new document
  - History.forward() → like clickin forward button
- **Example:** Location.html

Alternate Style Sheets

- You can have alternate style sheets that are accessible via the browser
- **Example:** stylesheetsAlt.html, stylesheetsAltA.css, stylesheetAltB.css
- Note: we use Firefox (View→Page Style)
- In Chrome is not that straightforward

Clear Property

- An element that follows a floated element will be placed next to the floated element if possible
- If you want an element to sit below (and not next to it) then use the clear property on the element
- You can set the clear property to left, right, both
  - Implies elements "sits below" elements floated on left, right or both
- **Example:** float.html

Page Layouts

- **1-Column**
  - Use % to make column width flexible
  - **Example:**
    - oneColumnPageLayout.html, oneColumnPageLayout.css
- **2-Column**
  - When designing your pages it will help you to set borders
  - Notice how block elements (e.g., div) float around each other
  - **Example:** twoColumnPageLayout.html,twoColumnPageLayout.css
- **3-Column**
  - Define the width of columns using %
  - The total percentage should add to a 100
  - Make each column float to left
  - **Example:** threeColumnPageLayout.html, threeColumnPageLayout.css

<u>Favicon</u>

- Icon that appears next to the websites' URL in the address bar
- Example: http://www.umd.edu/
- You also see them when you bookmark a page
- In the resources section of the class web page you can find a link to a favicon generator
- **Example:** FaviconExample.html

"Like" Facebook BUTTON

- Just paste and cut the following

```
<iframe src="http://www.facebook.com/widgets/like.php?href=YOUR_WEB_SITE"
    style="border:none; height:2.5em; padding-left: 34em">
</iframe>
```

Ldap access web directory

- http://www.cs.umd.edu/faq/ldaphtaccess.html

Firebug

- Firefox Debugger
- Site: http://getfirebug.com/