

ANNOUNCEMENTS

- ❖ No posting of code in the forum
- ❖ Check class announcements daily

SERVER SIDE INCLUDES

- ❖ What are they?
- ❖ Why you want to use them?
 - ❖ To include a file in other files
 - ❖ To display file modification time
 - ❖ To display current date
 - ❖ Others
- ❖ **Example:**
 - ❖ <http://www.cs.umd.edu/~nelson/classes/122/webPageEx122/index.shtml>

REFLECTION ON IMAGES USING JAVASCRIPT

- ❖ Using Reflection.js at:

<http://cow.neondragon.net/stuff/reflection/>

- ❖ Usage:

- ❖ Add to the header section (where reflectionJS is the folder with reflection.js)

`<script type="text/javascript" src="reflectionJS/reflection.js"></script>`

- ❖ Add class to element you want to reflect. For example:

``

- ❖ rheightNN – NN (% image's height used for the reflection's height)
- ❖ ropacityNN – NN (% of the transparency of the reflected image)
- ❖ **Example:** reflection.html, reflection.css

MAKING SCALABLE IMAGES

- ❖ Define width and height of images using percentages
- ❖ **Example:** scalableImage.html, scalableImage.css
- ❖ Defining only the width allows you to widen the image
- ❖ You keep the image from expanding beyond a particular point use the max-width property

HTML (IFRAME)

- ❖ iframe
 - ❖ Used to display a web page within a page
 - ❖ Another browser window in your page
 - ❖ **Example:** frameExample.html

CSS(Z-INDEX PROPERTY)

- ❖ z-index property
 - ❖ Determines the element's position on the Z axis
 - ❖ Higher z-index values means closer to the front (top of the stacking order)
 - ❖ **IMPORTANT**
 - ❖ z-index only works on an element that has position explicitly set to fixed, absolute or relative
 - ❖ Natural stacking order → order of elements on the Z axis
- ❖ **Example:** zindexExample.html

CSS(Z-INDEX PROPERTY)

- ❖ Natural Stacking Order (from reference below)
 - ❖ Background and borders of element establishing stacking context
 - ❖ Elements with negative stacking orders
 - ❖ Non-positioned, non-floated , block-level elements
 - ❖ Non-position, floated elements
 - ❖ Inline elements
 - ❖ Positioned elements
 - ❖ z-index property can change above order
- ❖ Reference
 - ❖ <http://coding.smashingmagazine.com/2009/09/15/the-z-index-css-property-a-comprehensive-look/>
- ❖ z-index property applications
 - ❖ CSS-based tooltip
 - ❖ Drop-Down menus

COOKIES

- ❖ Cookie → small piece of information sent by a server and stored either in the browser's memory or as a small file in the hard drive. Acceptance of the cookie depends on the client
- ❖ Browser sends the cookie back with every request to the server that sent the cookie
- ❖ Cookie → contains a name/value pair
- ❖ Setting a cookie → associating a value with a name
- ❖ Getting a cookie → getting the value associated with a name
- ❖ Constrains:
 - ❖ Browser typically accept only 20 cookies per domain before dropping old cookies
 - ❖ 4KB per cookie
 - ❖ 300 cookies per domain

COOKIES

- ❖ Each cookie consists of name, value, expiration date, host, and path information
- ❖ This is how the cookie information may look like when sent by the server in the http header

Set-Cookie: automobile=nelyota; path=/
domain=notRealCars.com

- ❖ If no expiration date is set for a cookie, the cookie expires when the user's session expires (i.e., when the user closes the browser)
- ❖ If the user accesses any page matching the path and domain of the cookie, the browser will resend the cookie to the server

LOCAL STORAGE

- ❖ One alternative to cookies in HTML5 is localStorage
- ❖ You save key/value pairs
- ❖ Space quota is 5MB
- ❖ **Example:** localStorage.html, todoList.html

IN-CLASS LAB
