
Reference

- *CSS Cookbook by Christopher Schmitt*
 - ISBN-13: 978-0-596-52741-9
 - <http://www.oreilly.com/catalog/cssckbk2/>

StoryBoards

- ❖ What are they?
- ❖ Why you want to use them?

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/resources.shtml>

Web Page Example (Tab-Based Page)

❖ **Example:**

- ❖ <http://www.cs.umd.edu/~nelson/classes/122/webPageEx122/resources.shtml>

Mouse Pointer Position

- ❖ We can determine the position of the mouse by recognizing the onmousemove event.
- ❖ **Example:** mousePointerPosition.html
- ❖ **Example:** drawingPointerOnly.html
- ❖ **Example:** drawingPointer.html

@import

- ❖ @import directive
 - ❖ Can be placed at the beginning of a style sheet.
 - ❖ A style sheet and import another style sheet.
 - ❖ Inside HTML/XHTML you will place it inside of the <style></style> tags

- ❖ Example:

```
<style type="text/css">  
@import url(mainstyle.css);  
@import url(support.css);  
</style>
```

Constants

- ❖ `Math.LN2` → Natural log of 2
- ❖ `Math.LN10` → Natural log of 10
- ❖ `Math.LOG10E` → Base-10 log
- ❖ `Math.LOG2E` → Base-2 log of Euler's Constant
- ❖ `Math.SQRT1_2` → Square root of 0.5
- ❖ `Math.SQRT2` → Square root of 2

Preloading Images

- ❖ Why? → To avoid latency in server downloading.
- ❖ How can we preload an image without displaying?
 - ❖ By using the Image object and setting its src property.
- ❖ Example: preloading.html

Web Servers

- ❖ Web Servers –
 - ❖ What is a web server?
 - ❖ Popular (Free) web server – Apache
 - ❖ <http://www.apache.org/>
 - ❖ You can install and run a web server in your computer
 - ❖ Local address: <http://localhost/> or <http://127.0.0.1/>
 - ❖ If you use a port different from default (80) you must specify it (<http://127.0.0.1:8080/>)
 - ❖ htdocs – directory where you place server documents

Database Management Systems

- ❖ Database System –
 - ❖ Allows you to store data and process data (e.g. submit queries, create indices, etc.)
 - ❖ Examples:
 - ❖ Records of students at UMCP
 - ❖ Information about telephone numbers
 - ❖ Software Systems
 - ❖ Oracle
 - ❖ MySQL (free one)
 - ❖ Postgres
 - ❖ You can install MySQL in your computer

PHP

- ❖ What is PHP?
 - ❖ Server-side, cross-platform, HTML Embedded scripting language
 - ❖ Text files with .php extension
- ❖ What it allow us to do?
 - ❖ To dynamically generate HTML
 - ❖ To interact with other systems (e.g., DB Systems, File Systems)
- ❖ Examples
 - ❖ Flight Information
 - ❖ Application System