

Announcements

- ❖ Check class announcements daily
- ❖ You must implement programming projects by yourself
- ❖ Reference:

CSS Cookbook by Christopher Schmitt

- ISBN-13: 978-0-596-52741-9

<http://www.oreilly.com/catalog/cssckbk2/>

CURSORS

- ❖ We can change the appearance of our cursor.
- ❖ **Example:** cursor.html, cursor.css
- ❖ Static cursor → saved as a **.cur** file
- ❖ Animated cursor → saved as a **.ani** file
- ❖ Provide a default cursor (e.g., auto) when using cursor images
- ❖ To create .cur or .ani file you need imagery software (e.g., JustCursors)
- ❖ JustCursors →
http://www.download.com/JustCursors/3000-2317_4-10406297.html?cdIpid=10406298
- ❖ Additional information about cursors at:
<http://www.evotech.net/blog/2007/04/controlling-cursors-with-css-and-creating-cur-files/>
- ❖ Cursors in Windows can be found at C:\WINDOWS\Cursors

Collapsible Menus

- ❖ Hide links and reveal them when necessary
- ❖ Example: collapsibleMenus.html
- ❖ Note: hover over the second link menu and you will see a message
 - ❖ You can use title attribute in the `<a>` tag to create tool tips

Electronic-commerce

- ❖ What is electronic-commerce (e-commerce)?
 - ❖ The buying and selling of goods and services on the Internet, in particular the Web.
 - ❖ Typically involves a shopping cart system and a payment processing system.
- ❖ Sales Estimates
 - ❖ E-Commerce sales (fourth quarter of 2007) → \$31.9 billion
 - ❖ <http://www.census.gov/mrts/www/data/html/08Q4.html>
- ❖ According to eMarketer, biggest product categories are:
 - ❖ Computer products, books, music, financial services, home electronics, apparel, gifts and flowers, travel services, others.

Electronic-commerce

- ❖ Advantages of e-commerce
 - ❖ Transaction processing costs are lower
 - ❖ Provide more information to customer than previously available
 - ❖ Where is your package?
 - ❖ Larger catalogs
 - ❖ Can you image sending over mail Amazon's catalog?
- ❖ Difficulties with e-commerce
 - ❖ Getting people to come and return to a site
 - ❖ Getting people to buy
- ❖ Success stories
 - ❖ Amazon.com
 - ❖ <http://money.howstuffworks.com/amazon.htm>
 - ❖ Dell.com

Electronic-commerce

- ❖ Affiliate Programs (Associate Programs)
 - ❖ Pioneered by Amazon
 - ❖ Amazon allows a person to set up a specialty book store
 - ❖ When someone buys from the specialty store the owner receives a commission
- ❖ CPC Link (CPC=Cost Per Click)
 - ❖ If you put a link to a company on your site the company pays you when someone clicks on the link

Electronic-commerce

- ❖ Recommendations for Setting an e-commerce site
 - ❖ Might need a web hosting company supporting e-commerce
 - ❖ The company should provide support for credit card payments.
 - ❖ Reasonable disk capacity that can change easily.
 - ❖ Good network connection to the internet's backbone.
 - ❖ Security support for transactions.
 - ❖ Reasonable support software.

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
 - ❖ Imports another style sheet
 - ❖ Can be placed at the beginning of a 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

Web Servers

- ❖ Web Servers –
 - ❖ 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
- ❖ Let's see some PHP Code