600152 Informatics 2  
People, Data and the Web

lecture 7c  xhtml+css  
practical aspect

css quiz

css+xhtml advantages

- separation of concerns: content and presentation,
- higher level abstraction of content,
- smaller HTML code,
- support for Progressive Enhancement,
- support for accessibility,
- better search engine optimization.
design issues
fixed size or liquid design?
http://www.webreference.com/authoring/style/sheets/css_mastery2/
<table> or <div>?
http://www.w3.org/2002/03/csslayout-howto
http://www.hotdesign.com/seybold/index.html
CSS layout technique with <div>
http://www.w3.org/2002/03/csslayout-howto
http://www.w3.org/2002/03/csslayout-howto
CSS Positioning
http://www.brainjar.com/CSS/positioning/

xml          xhtml         css
py
batch processing
dynamic pages

xml          py          xhtml         css

xml          xhtml         css
pdf
data base
xml
supporting standards

Challenges:
- Browsers have to accommodate various HTML & CSS versions and flavours
- Web developers have to create web pages viewable in various types and versions of web browsers

pain in the css

CSS standards specified by W3C
http://www.w3.org/Style/CSS/current-work
- Web pages are written in various XHTML formats and CSS variants
- Browsers very often implement standards inconsistently
- A browser may apply CSS differently depending on the DOCTYPE (standard/strict mode or quirks mode)
- Rule of thumb:
  - Aim for common denominator
  - Avoid proprietary features (especially IE)
  - Compatibility testing (cross browser/cross OS)
  - Validate your XHTML & CSS
- XHTML or HTML5

know your audiences

browsers, screen size, OS
http://www.webhosting.com/browsers/browsers_stats.asp
http://www.webhosting.com/browsers/browsers_display.asp
http://www.webhosting.com/browsers/browsers_co.asp
css resources

CSS compatibility
http://quirksmode.org/css/contents.html

CSS bugs, incompatibilities, & hacks
http://positioniseverything.net/

A List Apart
http://www.alistapart.com/topics/code/css/

CSS Test
http://www.brunildo.org/test/