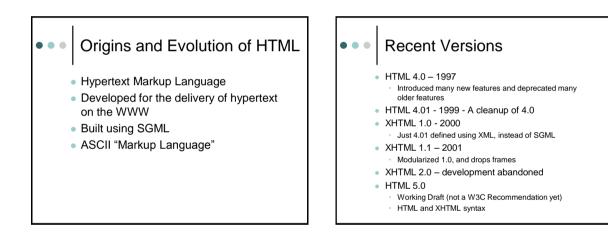
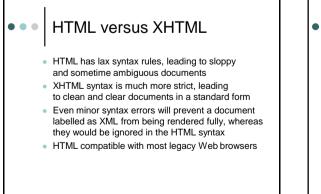
## • • • Lecture 5 HTML Boriana Koleva Room: C54 Email: bnk@cs.nott.ac.uk

### • Overview

- Origins and evolution of HTML and XHTML
- Basic Syntax
- Standard document structure
- Basic text markup
- Images
- Hypertext links
- Lists





# Creating HTML documents Text editors (e.g. Notepad, Emacs, Crimson Editor) Source code editors (e.g. Notepad++, WebTide) Authoring tools (e.g. Microsoft Expression Web, Adobe Dreamwaver, KompoZer) HTML files have .html extension The filename of your homepage should be index.html If a browser does not request a specific file in a directory, normal Web server response is to return index.html

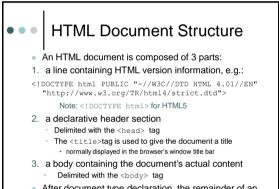
http://www.crg.cs.nott.ac.uk/~bnk/Teaching/WPS/

#### Basic Syntax

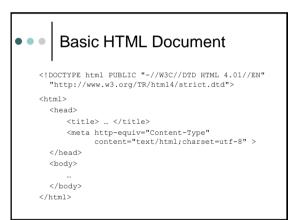
- Elements are defined by tags (markers)
- Tag format:
- Opening tag: <name>
- Closing tag: </name>
- The opening tag and its closing tag together specify a container for the *content* they enclose
  E.g. Hello
- Not all tags have content
  - E.g. <hr>

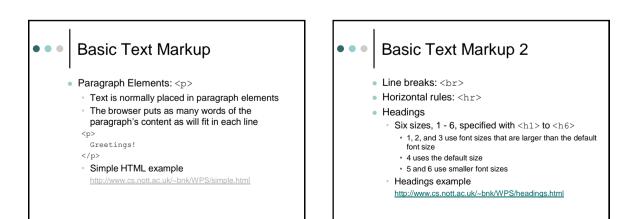
### Basic Syntax 2

- The container and its content together are called an *element*
- If a tag has attributes, they appear between its name and the right bracket of the opening tag
  E.g. <img src = "c10.jpg" />
- Comment form: <!-- ... -->
- Browsers ignore comments, unrecognizable tags, line breaks, multiple spaces, and tabs
- Tags are just suggestions to the browser, even if they are recognized by the browser



 $\,$  After document type declaration, the remainder of an HTML document is contained by the <code>html</code> element





#### Basic Text Markup 3

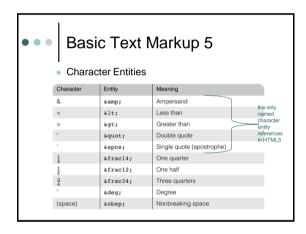
- Blockquotes: <blockquote>
  - To set a block of text off from the normal flow and appearance of text
  - Browsers often indent, and sometimes italicize http://www.cs.nott.ac.uk/~bnk/WPS/blockguote.html
  - Font Styles and Sizes (can be nested)
  - Boldface: <b>
  - Italics: <i>
  - Smaller: <small>
  - Larger: <big> (not supported in HTML5)
  - Monospace: <tt> (not supported in HTML5)

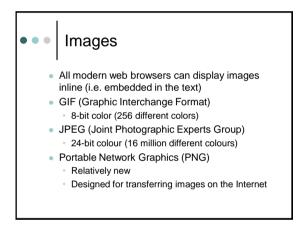
#### • • • Basic Text Markup 4

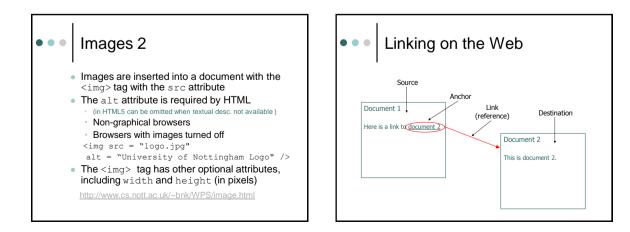
Example: The <big> sleet <big> in <big> <i> Crete </i><br/> the </big> completely </big> in </big> the street

#### Display: The sleet in Crete lies completely in the street

• Subscripts: <sub> Superscripts: <sup> Example: x<sub>2</sub><sup>3</sup> Display: x<sub>2</sub><sup>3</sup>







#### Hypertext Links

- Hypertext is the essence of the Web!
- A link is specified with the href (hypertext reference) attribute of <a> (the anchor tag)
- The content of <a> is the visual link in the document
- <a href="target.html">This is a link</a>
- Relative addressing of targets is easier to maintain and more portable than absolute addressing

http://www.cs.nott.ac.uk/~bnk/WPS/link.html

