



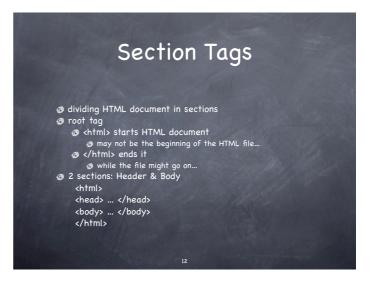
From SGML to HTML SGML is a very intricated markup language Web needs just a subset of it SGML is also a meta-markup language can be used to define other markup languages by defining their own DTD (Document Type Definition) HTML is defined via a SGML DTD http://www.w3.org/TR/html4/sgml/dtd.html

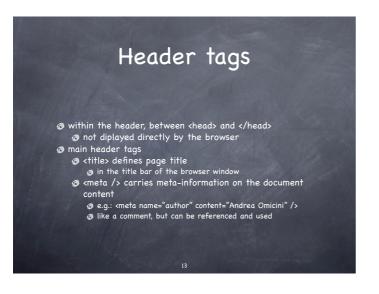
HTML / XHTML Document Suffix .html (or .htm, for windoze fault) Text file How can I create my own HTML file? with any text editor, saving text with .html suffix with any word processors allowing "Save as Text" with any web-page creation tool Composer, Dreamweaver, etc. Please no FrontPage How does computer see the HTML file? in the same way as we do? different levels of "perception" OS # editors # browsers # ...

Elements, Tags & Attributes An HTML document contains elements & sections delimited by tags Generally, tags delimit start & end of a section / element ctagssection or element</tag> it is obviously useful to learn the main HTML tags Tags may contain further specifications called attributes some of them required, some optional ctime src="mypicture.jpg"/> src is mandatory no closing tag, /> is used Remind: tags and elements are in general different things cy> is a tag, Paragraph





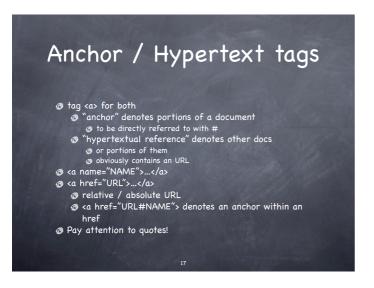


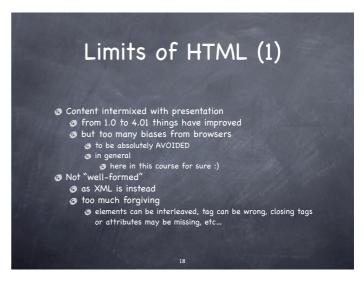






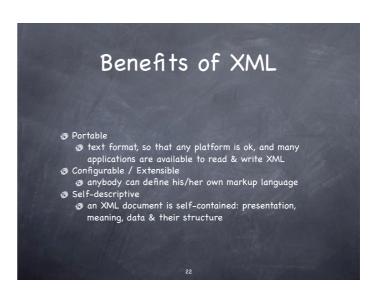


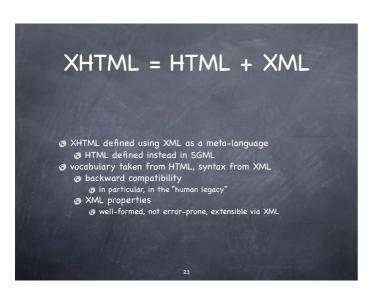


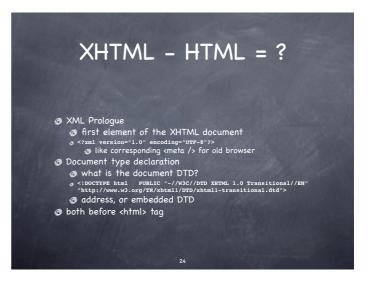


Limits of HTML (2) It is more a sort of "structural" markup language describes text structure structural markup rather than the nature of content descriptive / semantic markup not easy to adapt to the different natures of media That is why HTML moved toward XML through XHTML Goal: a language aimed at being disciplined and easy to check powerful but simple descriptive

XML in short Extensible markup language to define markup languages XML application a markup language defined via XML XHTML is an XML application Essential remark: XML has no predefined tag / elements anyone can define tags and structures that better fits the chosen contents







Other differences

- Recommendation: define the namespace
 - to give meaning to tagswe could write

 - http://www.w3.org/1999/xhtml:p for tag
 and then the same all the others...
- - and declare the languages
- @ Other
 - case sensitivityfull nesting

 - @ required elements: <head>, <body>, <html>, <title>

What should we learn from the lab activity?

- ${\it 3}$ Structure of the HTML / XHMTL document
- header, body, and their content
 Inline elements, comments, lists, special chars
- Attributes

 - shared by most elementsattributes to affect presentation
- Anchors / Hypertextual references
- Images
- Tables
- Forms
- Frames, perhaps