Hyper-text Markup Language (HTML)

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Web-pages as bit-maps?

- Bad idea for server to send a bit-map of web page
- Why?
  - Huge volume of transmitted data:
    - 640 x 480 resolution, 3 bytes per pixel => 1 MB/page!
  - Not all displays are created equal
    - Black-and-white, Blackberry, …
  - Hard to modify
  - Can’t search for text
**Mark up text**

- Instead, we separate text and operations on it
- Concept is old: old-time newspaper
  - Reporter types the article (old typewriter)
  - “Marks up” the type written page
    
    Hurricane Katrina is worst storm to hit New Orleans
    
    14 pt    12 pt
    ital     bold

- We’ll use:
  
  HTML

  Hypertext Mark up Language

**HTML intro**

- Text
- Tags: specify operations on text
  
  `<tag> Text that tag applies to </tag>`

- Comments:
  
  `<!-- comment -->`
  
  e.g.: HTML homework submission header:
  
  `<!-- Your name
  Date
  Assignment #
  Pledge
  
  I have neither given nor received unauthorized aid on this assignment.
  Your full name

  -->`
Let's learn by practicing!

References


- Sample HTML (roughly same sequence as covered in lecture)
  - Use when you're studying notes (not needed in class)
    http://www.cs.unc.edu/~jasleen/Courses/Fall11/scripts/First-HTML.html