HTML and the WWW
World Wide Web

Internet ≠ WWW

CLIENT/BROWSER

INTERNET

SERVER

INTERNET
A Web Page is...

a document that describes to a browser how to draw a visual page on a computer and how to interact with various elements.

composed of elements to be displayed and instructions about how to display the elements - HTML, Javascript, CSS, etc.
Some Basics...

- **HTML** - Hypertext Markup Language
- **URL** - Universal Resource Locator
- **TAG** - instructions within HTML
HTML

HOPE

THE

MESS

LOADS
Hypertext Markup Language

- Started as links from a word to some other ‘place’ within a document using tags
- Eventually included formatting tags
URL

Subdomain

138.237.182.2

Domain

Computer

Protocol

Subdirectory

http://www.geo.tcu.edu/faculty/busbey.html

Host - alias for an IP address

Webpage (.html or .htm)
Hello - click here to find out what to do.

Right?

<b>Hello</b>-click<a href="http://www.tcu.edu">here</a>to find out what to do.<p><i>Right?</i></p>
Common Tags

- Bold - `<b>xxx</b>`
- Italics - `<i>xxx</i>`
- Line break - `<br>`
- Paragraph - `<p>xxx</p>`
- Graphic - `<img src="dog.jpg">`
- Link - `<a href="nextpage.html">xxx</a>`
Local and Remote Links

- Local link (same directory - same computer): `<a href="next.html">link</a>`
- Distant link (different computer): `<a href="http://www.somewhere.com">link</a>`
Nest Tags

**Bold & Italics** - `<b><i>Bold & Italics</i></b>`

Click here

`<a href="nextpage.html">Click here<img src="bulb.jpg"></a>"`
Online HTML Refs

http://www.cosy.sbg.ac.at/~lendl/tags.html

http://www.web-source.net/html_codes_chart.htm

http://www.htmlhelp.com/reference/wilbur/list.html

http://werbach.com/barebones/barebones.html
Write your own - plain text editor or HTML editor.

Translate from another program - frequently has errors.

Graphical editor - design the page and the program generates the HTML.

Beg, Borrow & Steal - use HTML from other web pages that look good.
Examples

- MS Word = worst possible HTML generator - NEVER USE UNLESS BRAINDEAD
- Canvas - hmmmm
- FrontPage - also stinks
- iWeb (on all the Macs) - ok...
- Dreamweaver - best of show
Designing

- Design for 800 x 600 (at first)
- Plan page layout before you begin
- Remember.......:
  - Different browsers and browser versions
  - Different monitor sizes
  - Different color depths
  - Different platforms
  - Different fonts
Graphics

- JPEG - high color dimensionality - photos -> 256 colors
- GIF - Simple colors, transparency and animations.
- No more than 80 dpi
- No more than 4 to 5 inches wide
- Extensions important
The TCU Department of Geology offers two different undergraduate geology degrees and a Master of Science in Geology. The B.S. and B.A. degrees in Geology follow a more classical geological route, while the B.S. in Environmental Earth Resources substitutes some more environmentally-oriented classes.

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since 5/18/96.
As you work...

- Use online help facilities
- Use some of the URLs as tag references
- Frequently look at your document
- Ask for help if you get stymied