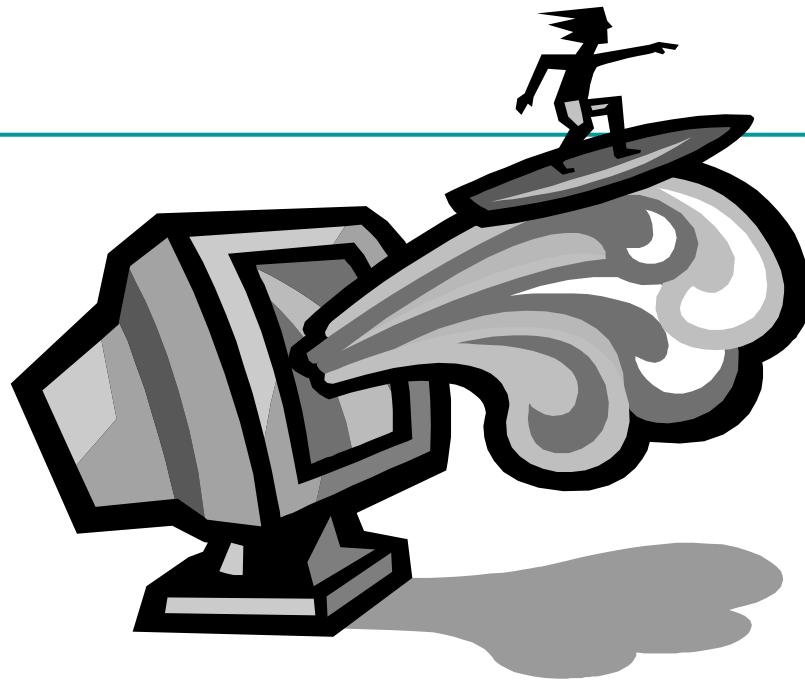

Welcome to HTML - Interface to surfing the web.



What will we cover today??

- Netizen Lingo
 - Why do u need in a Web Page?
 - What is HTML?
 - A look at Netscape Composer
 - How to prepare and submit your work to CATS's server
 - Cool stuff!!!
-

Netizen Lingo

- Netizen <http://www.netlingo.com/index.cfm>
 - WWW – World Wide Web
 - URL – Uniform Resource Locator
 - HTML – Hyper Text Markup Language
 - HTTP – Hyper Text Transfer Protocol
 - Web Browser
 - Application Server
 - Hyperlinks and Links
 - <http://www.webopedia.com/>
-

Terminology Defined.

- The *World Wide Web*, or simply *Web*, is an information-sharing model that is built on top of the Internet. The Web uses HTTP, only one of the languages spoken over the Internet, to transmit data and receive data from an Application Server. The Netizen uses browsers, such as Internet Explorer or Netscape, to access Web documents called Web pages that are linked to each other via hyperlinks. Web documents also contain graphics, sounds, text and video.
-

Why do you need a Web Page?

- A window to the world of knowledge
 - A way of sharing information - quick and centralized access.
 - A Free advertisement for yourself – You can put up your resume, pictures.
 - Or because it is course requirement.. 😊
-

Contents of Web Page

- Basic elements - text, pictures, and links.
 - Layout of your page/pages
 - What is your page about?
 - How many separate pages does your idea need?
 - What color scheme do you want to use?
 - Look and feel is very important.
 - You can try to form a layout on paper, indicating what color you want, where will your picture go? Will you have a friends or contacts page? Frames... 😊
-

Tools to build a Web Page

- You can just use NOTE PAD
 - Write some bunch of code in a HTML file

 - Or you can use WYSIWYG (pronounced "wiz-ee-wig") editors.
 - Netscape Composer
 - Microsoft Front Page
 - Dreamweaver MX
 - Hundreds of other Editors available on the Internet – Geocities..☺
-

What is a HTML File?

- HTML - **H**yper **T**ext **M**arkup **L**anguage.
 - Essentially a **text file**, containing small **markup tags**.
 - Markup tags tell the Web browser **how to read and display** the page.
 - An HTML file can be created using a **simple text editor or**
-

A simple html file

- `<html>`
 - `<head>`
 - `<title>First Attempt at HTML</title>`
 - `</head>`
 - `<body>`
 - `<h1> Welcome to HTML Introduction! </h1>`
 - `</body>`
 - `</html>`
 - First.html
-

HTML Elements

- Headings, Font Sizes, Color
 - Comments
 - Backgrounds
 - Links and hyperlinks
 - Email
 - Pictures
 - Lists
 - Tables, Frames
 - <http://www.webmonkey.com>
-

Looking at the source of a file

- One of the most important thing is to look at the source of a file.
 - Explorer – View – Source
 - Netscape – View – Page Source Ctrl-J
 - Helps to learn HTML
 - Get new ideas..😊
-

Headers, Fonts and Style - Basics

■ Headers

- `<h#> </h#>`
 - `<h1> Large Header </h1>`
 - `<h3> medium sized </h3>`
 - `<h6> small headlines </h6>`
- Sample HTML

■ Fonts

- Size - ` `
 - Color - ` green color `
 - Sample HTML
-

Headers, Fonts and Style – Contd..

- Bold ` bold text `
 - Italic `<i> italic text </i>`
 - Blink
 - `<blink> blinking text </blink>`
 - Use of blinking is not recommended by standards.
 - Preformatted Text
 - Text the way you want it.
 - <http://www.mcli.dist.maricopa.edu/tut/tut9.html>
 - Use of style sheets
 - Reduce download speeds
 - Improves your page.
-

Line breaks, Horizontal Lines, basic stuff

- `
` - causes a line break, end tag forbidden.
 - `<p>` `</p>` - paragraph
 - `<hr>` - horizontal rule. Again no end tag.
-

Links, Maitos

■ Links:

- Links to your own pages – relative addressing
- `the text which becomes the link `
- Links to other pages – absolute addressing
- ` Class Web Page `

■ Maitos:

- `dbanerje@cse.ucsc.edu `

■ More cool stuff:

- Anchors: Links within a page
-

Pictures, Background, Comment

- Pictures:

- ``
- Animated GIFs

- Background:

- `<body background = "../netmainbk.jpe">`

- Comments with HTML:

- `<!-- Anything within this is a comment ---->`
- Don't use comments within the header tags

- Sample HTML

Tables

- `<table> </table>` defines a table
 - `<tr> </tr>` - Table row
 - `<td> </td>` - Table column
 - `<table border>`
 - `<tr>`
 - `<td colspan=3>` If you have two `<tr>` tags
 - in your table, you will have two rows in your table. `</td>`
 - `</tr>`
 - `<tr>`
 - `<td>`If you have three `<td>` tags`</td>`
 - `<td>`in a row, you will have`</td>`
 - `<td>`three cells in the row.`</td>`
 - `</tr>`
 - `</table>`
-

Examples - Tables

- Simple Table
 - Code

 - Advanced Table – Spanning
 - Code
 - http://www.hardcoder.com/html/examples/tbl_cellpadding.php
-

More Cool Stuff

- **Ordered Lists: **
 - start tag
 - place li before each item in the list
 - end tag for the list
 - **Unordered Lists: and **
 - Provides bullets etc. Try to use dingbats.
 - **Marquees:**
 - Text scrolling etc.
 - Add Music
 - HTML Code
 - Sample
-

Using Composer

- Where to access Netscape Composer
 - Using Netscape Composer
 - Some Stuff that Composer cannot accomplish
 - A key shortcut – if you like someone's webpage you can borrow their stuff, but beware of copyright infringement. 😊
 - Some useful links
-

Accessing Composer

- BE105 and BE109 - Basin Engineering.
- Other CATS's computing labs in campus
- Or download and install Composer on your own machine

<http://home.Netscape.com/computing/download>

WYSIWYG

- WYSIWYG tools are simpler. Best for a beginner.
 - *Netscape Composer*
 - *FrontPage*
 - *Dreamweaver*
 - However, you are free to use anything you want
-

HTML in Composer

- Menu driven – very simple
 - Self explained and best if self explored.
 - Val's Visions: A very basic and good approach to the menus in Composer.
-

Using Netscape Composer

- Create a new web page.
 - Add all the jazzy stuff.
 - Preview your page.
 - Publish your homepage.
-

Some links maybe you will be interested

- Get some stuff useful for your project (pictures, dynamic gif files etc.)
 - Tutorial from Netscape
 - <http://facweb.furman.edu/~pecoy/mfl195/composer/>
 - <http://www.msubillings.edu/tool/tutorial/>
 - http://psrtec.clmer.csulb.edu/Composer_Tutorial/composer.html
 - <http://members.tripod.com/~rajanpunhani/>
-

Other Additions to HTML

- JavaScripts
 - DHTML
 - PHP
 - ODBC
-

Setup your personal web pages on CATS's server

- For Details, please refer to the instruction from CATS
 - Step-by-step set-up of personal web pages on CATS server



How to submit your work?

- Get a CATS's account [here](#)
 - Log into a CATS's machine: `ssh unix.ic.ucsc.edu`
 - Create a directory called `public_html`.
 - Move(ftp or otherwise) all your files to this directory.
 - Steps to ftp to the CATS server.
 - [How to ftp????](#) 😊
 - Follow instructions in CATS Step by Step set up and mail **both the TAs** the link to your web page.
-

Last but not least!!!

- Use the HTML Validator. Don't use my examples on them. 😊
 - More info will be posted on the [projects page](#).
 - You need to create an index.html, so that you can access your web page at [http://www.people.ucsc.edu/~\[yourusername\]](http://www.people.ucsc.edu/~[yourusername])
-

Some More Cool links!!!

- My Favorite Resource – Not necessarily simplest
 - Links from SOE's homepage
 - HTML for the Complete Idiot
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Acknowledgements

- The past TAs for their tips and help.
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Thank you!
