

CS1001

Lecture 9

Overview

- Security
- HTML

Goals

- Examine network security issues
- Learn Basic HTML
- Become familiar with Columbia's web server

Assignments

- Brookshear: Ch 8.2, 8.3 (Read)
- Read HTML Primers
 - <http://www.columbia.edu/acis/webdev/>
 - <http://www.davesite.com/webstation/html/>
 - <http://www.w3.org/MarkUp/>
- Read linked documents on these slides (slides will be posted in courseworks)

Web Servers

- Web servers are publicly accessible (connected to the Internet) servers that return requested files via the HTTP protocol
- A web *browser* can connect to a web server to retrieve this document
 - Note, however, that web browsers may also load HTML documents from any place on your *local* computer

Security

- Web Applications are programs that anyone can access at any time
- Malformed data can be sent in an attempt to break the behavior of the web application

Web Applications

- Web servers that return dynamically generated web pages in response to user input are called *Web Applications*
- Programming languages used for this are ASP, PHP, JSP, Perl-CGI and others

Display Versus Meaning

- HTML is designed to *structure* information
- It is up to each individual browser as to how the structure should be rendered on screen
- In modern years, Cascading Style Sheets enhance HTML to provide strict control over display preference

HTML Reference

- Stick with items above tables in the following reference (but feel free to experiment with tables)
- http://hotwired.lycos.com/webmonkey/reference/html_cheatsheet/