

Announcements

- Make sure that your scores in `grades.cs.umd.edu` are correct (We will not address any errors after Wed May 9)

Dreamweaver

- Macromedia Dreamweaver
 - Professional Web Development Platform
 - HTML
 - Coldfusion
 - JavaScript
 - PHP
 - CSS
 - others
 - <http://www.macromedia.com>

Dreamweaver

- Let's go over some of the options for Dreamweaver
- View→Toolbars (displays any toolbars not visible)
- Code/Split/Design
- Save option
- Title → Allows you to define the title
- Preview → Using “earth globe”
- Validation >
- Undo → left curved arrow
- Redo → right curved arrow
- View→Grid
- View→Style Rendering

Dreamweaver

- Insert
 - Insert→Table
 - Layout Objects → Div Tag
 - Date
 - HTML
 - HTML→Text Objects
- Modify
- CSS Support
 - Styles created for you (you can export them later on)
 - You can define properties easily

Dreamweaver

- Starter Pages
 - Predefined pages
- Predefined Page Designs (based on CSS)
- Predefined CSS Style Sheets
- Creating JavaScript
 - File→New→Basic page→JavaScript
- Creating CSS document
 - File→New→Basic page→JavaScript
- Layer → Areas defined by <div></div>
- Animations can be created as well (JavaScript support lies underneath)

Web Servers

- Web Servers –
 - What is a web server?
 - Popular (Free) web server – Apache
 - <http://www.apache.org/>
 - You can install and run a web server in your computer
 - Local address: <http://localhost/> or <http://127.0.0.1/>
 - If you use a port different from default (80) you must specify it (<http://127.0.0.1:8080/>)
 - htdocs – directory where you place server documents

Database Management Systems

- Database System –
 - Allows you to store data and process data (e.g. submit queries, create indices, etc.)
 - Examples:
 - Records of students at UMCP
 - Information about telephone numbers
 - Software Systems
 - Oracle
 - MySQL (free one)
 - Postgres
 - You can install MySQL in your computer

HTML

- Language used to define web pages
- What the server sends to the browser
- Browser reads HTML and renders the page
 - May require downloading data from server (e.g., images)
- HTML Implements forms
- Forms - One mechanism to pass values to a web server

PHP

- What is PHP?
 - Server-side, cross-platform, HTML Embedded scripting language
 - Text files with .php extension
- What it allow us to do?
 - To dynamically generate HTML
 - To interact with other systems (e.g., DB Systems, File Systems)
- Examples
 - Flight Information
 - Application System

Software Installation

- Alternatives for Apache, MySQL, and PHP
 - Individual installation of packages
 - WAMP – Windows, Apache, MySQL, and PHP
<http://www.apachefriends.org/en/xampp-windows.html>
 - MAMP – Macintosh, Apache, MySQL, and PHP
<http://www.mamp.info/en/home.php>