

UNIVERSITY of MARYLAND
UNIVERSITY COLLEGE - *Asian Division*

Term Project: Creating a Personal Web Site

Objective:

The Term Project is the construction of your personal web. The web master will integrate your topic of interest into the CMST 386 - Term 4, 2002 Iwakuni Web Site. It is your responsibility to make sure the web master has made proper links and description to your web site.

Requirements:

Your web site must contain as a minimum home page, polished resume, and in depth coverage concerning your topic of interest by breaking it into several HTML documents. If an exit tunnel is used you should exit back to the webmaster's table page.

You are required to create at least 10 custom graphics that you created or modified yourself.

The general structure should be easily navigated. With regard to your topic, your web site should contain a summary page and several pages describing details in a top down structure. Additionally, your web site should contain a "How To" tutorial on how to use the topic information (if appropriate) and links to sites of similar interest.

You will research some topic of interest related to the Web Development. To ensure that topics are not duplicated you will need to select three topics from either the list below or describe one of your own. Number the topics in order of preference with 1 being your top choice. For a particular complex or lengthy topic, you may work in pairs. However, I do expect twice as much effort from such a team effort. Please outline your interests and background on each of the three topics. I will attempt to match the best person with the topic. Also include your email address. Submit your topic list at the beginning of week 2, class 1. I will assign topics no later than the class two of that week.

You may use any available resources including books, periodicals, and the Internet to research information about your topic. Give credit to sources of information and quotations using the Key Number System and a bibliography. For WWW references use a format you like described at the following URL <http://www.bedfordstmartins.com/online/citex.html>.

You will be required to do a demonstration for the class of your web site, focusing on your chosen topic. The presentation should be about 20 minutes that includes the two questions from the class. You will be using the instructor's computer viewed at 800x600 VGA resolution.

Save all associated files to a 3.5" diskette that you will open locally with the Navigator 4.0 browser. Verify that you have a good diskette by doing a thorough ScanDisk of the disk and check for viruses. Verify that all links work when accessing from the floppy. Your web site must be compact and less than 1.4 Mbytes. Submit this disk to the instructor for grading purposes. Anyone who infects the instructor's computer with a virus will lose 40 points from their project. If you need a virus checker, simply go to a computer in the computer lab and scan the disk using Norton AntiVirus.

Possible Topics

1. Webmaster: primary duty is organization and giving it the look.
2. Internet Service Provider: DialUp, aDSL, DSL, Cable Modems, ISDN
3. HTML reference and links to favorite reference sites.
4. JavaScript reference with some favorite scripts and how to use them.
5. Java Applet reference with some favorite applets and how to use them.
6. Cascaded Style Sheet Reference with some favorite styles and browser compatibility.
7. IP Telephony
8. Internet Browser Feature Comparison: IE, Netscape, Opera
9. Audio on the Internet: midi, wave, Real Media, ASF
10. Realtime Communications: NetMeeting, IRC Chat, ICQ

11. Search Engines: features available, recommendations
12. Focus on Paint Shop Pro features and create tutorial
13. Computer Graphics
14. VRML: what is it, examples, resources, COSMOS by SGI
15. CGI Programming: what is it, examples, resources
16. Digital Photography: what is available and recommendations
17. Others topic that you want to explore.

Due Date and Grading:

The Term Project is due the Week 8, at the beginning of the first class. This includes both uploaded site and the oral presentation of your site and topic. Turn in a cover page that includes your name and topic, a description of all graphics, print your web pages from a browser, and in a conclusion section describe features and problems with your web site. Web sites will be evaluated based upon on your mastery of HTML, CSS, JavaScript, and design principles. Use of Java applets will have no effect on your grade. Late projects will be reduced 20% of the total point value for each class period late. Grading will be 80% objective and 20% subjective (neatness, clarity, conciseness, and relative effort). A project that correctly meets all specifications in a minimal way will receive a score of 80% of the total points.