

UNIVERSITY *of* MARYLAND
UNIVERSITY COLLEGE - *Asian Division*

Project 2: Internet Topic Technical Paper

Objective:

This project will require research into some topic related to the Internet and/or computers. The results of this research will be presented as a technical paper with references.

Requirements:

You will research some topic of interest related to the Internet and/or computers. This topic will be presented as a project report and later in your web site as part of Project 4. 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 class 2 week 2. I will assign topics no later than the first .

You may use any available resources including books, periodicals, and the Internet to find information about your topic. After researching the topic, you will present your topic in the project report. The first page will be the cover sheet, which will include the topic title, your name, class, and date. The report should be divided into several major headings and possibly subheadings. The introduction should clearly state the topic, your reasons for selecting it, issues addressed, and the scope of the report. The body of the report should present all supporting information, your analysis, and explanation. The conclusion section should include a summary of the information presented and include opinions on findings and recommendations concerning your topic.

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>.

Due Date and Grading:

Project 2 is due week 5, at the beginning of the last class. Late projects will be reduced 20% of the total point value for each class late.

Grading will be 80% objective (results, explanations, conclusions) and 20% subjective (neatness, clarity, conciseness, extra work). A project report that correctly meets all specifications in a minimal way will receive a score of 80% of the total points.

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. IP Telephony
5. TCP/IP Protocol Suite
6. Internet Browser Feature Comparison: IE, Netscape, Opera
7. Audio on the Internet: midi, wave, Real Media, ASF
8. Realtime Communications: NetMeeting, IRC Chat, ICQ
9. Email: definitions, HTML, tools, pop vs. browser mail programs
10. Newsgroups: repositories of like minded people, newsreaders
11. Download sites: shareware, freeware, recommendations
12. Search Engines: features available, recommendations

13. Focus on Paint Shop Pro features and create tutorial
14. Computer Graphics
15. VRML: what is it, examples, resources, COSMOS by SGI
16. Cascaded Style Sheets: what is it, examples, resources
17. JavaScript Programming: what is it, examples, resources
18. Java Programming: what is it, examples, resources
19. CGI Programming: what is it, examples, resources
20. Digital Photography: what is available and recommendations
21. On line shopping: transaction security, hot locations to buy things
22. Automobile Shopping
23. Online Travel
24. Guide to using the geocities community
25. Legal aspects of the web
26. Online investing and tools
27. UNIX/Linux
28. Encryption, security, and digital ID's
29. Computer Networking using Routers
30. Others topic that you want to explore.