Test Your Tech

Navigation is:

A. Following a series of links to locate specific information on the Web.
B. Finding your uncle's mountain cabin in dense fog.
C. Avoiding rush-hour traffic during the World Series.
Navigation is:

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C. Avoiding rush-hour traffic during the World Series.
• Future Potential in IT
• Alumni talk about IT at
  • Google
  • Microsoft
  • Moss Adams LLP
  Avenue A | Razorfish

* Jan 23, 3-6PM, Guggenheim 220
* Pre-register so they order enough pizza:
  http://depts.washington.edu/tc/fpit.html
Announcements

• By today, you should have
  * Read Chapters 1-6 of Fluency
  * Taken the quiz on chapters 1-3
  * Completed labs 1 and 2
  * Close to completing lab 3
Announcements

• This week’s Quiz
  * Each lab had a different version of the quiz
  * Lab AD, “manual grading” for one question
    - We missed adding the correct answer for that question
    - We’ll fix that and that will fix your scores
  * Catalyst gave your score as so many points out of 33 possible.
    - It included the extra credit as part of total points
    - Total is only 30 points
    - We’ll have to manually change that at the end of the quarter
Announcements

• When the new gradebook tool is ready, you will be able to see your scores in MyUW
  * Go to this link and follow the directions to add it to MyUW:
  * It should be ready by the end of next week
• If you need help,
  * Our office hours, or by appointment
  * The drop-in lab
    • WF 10am
  * Drop in to Keith’s Lab section AE
    • WF 8am
Announcements

• **Mac Labs**
  
  * Wrong Hours for MGH Computing Commons on their Web site
  - I notified Catalyst to update their page
  * Best lab: Odegaard 2\textsuperscript{nd} Floor:
    - Sunday 1pm until Friday 9pm
    - Show your Husky ID from 10pm-6am
    - Saturday 11am-9pm
Announcements

• Lab 3
  * Directions on the lab are wrong
  * Dante uses Bash as the default
    • Check by typing:
      - `echo $SHELL`
      - You’ll see something like `bin/bash`
Announcements

• Students ask if they can work on Project 1 at home?
  * Yes!
  * Download the UWICK software so you have access to Dante from home
I'm thinking ...
I need downhill skiing!!!
Wednesday’s Mystery File

• Why couldn’t I find that image?
  ∗ Did name in html file match image name?
    • Correct!
  ∗ Where was it?
    • On my desktop
    • Not in the images folder

• What’s a better way of keeping track of files?
Keeping Things Straight

- Match desktop and remote:
  - * folder for folder
  - * file for file
Searching the WWW

Locating the right information on the WWW requires effort
Looking In the Right Place

Google is not the first place to look

- Go directly to a site -- www.irs.gov
  
  Guessing a site’s URL is often very easy, making it a fast way to find information

- Go to right site -- dictionary.cambridge.org
- Go to the library -- www.lib.washington.edu
- Go for the kind of information you want -- www.npr.org

Ask, “What site provides this information?”
Search Engines

No one controls what’s published on the WWW ... it is totally decentralized. To find out, search engines crawl Web.

* Two parts
  - Crawler visits Web pages building an index of the content (stored in a database)
  - Query processor checks user requests against the index, reports on known pages

Only a fraction of the Web’s content is crawled.
Boolean Queries

Search Engine words are independent

Search for Mona Lisa

* Words don’t have to occur together

• To be explicit about occurrences use Boolean queries and quotes

* Logical Operators: AND, OR, NOT

  monet AND water AND lilies
  "van gogh" OR gauguin
  vermeer AND girl AND NOT pearl
Demonstration

• Google Images
  * monet AND water AND lilies
  * “van gogh” OR gauguin
  * vermeer AND girl AND NOT pearl
Queries

Searching strategies ...

* Limit by top level domains or format
* Find terms most specific to topic
* Look elsewhere for key words, e.g. bio
* Use exact phrase only when universal
* If too many hits, re-query
* “Search within results” using “-”
Queries

• Once found, ask if site is best source
  * How authoritative is it?
  * Can you believe it?
  * How crucial is it that the information be true?
  • Cancer cure for Gramma
  • Hikes around Seattle
Truth on the Web

• Much Web information is wrong
• Using the Web effectively means recognizing quality information
  • Information from reliable organizations is usually preferred -- check out ownership
  • Look for accuracy, currency, ...
  • Follow links to verify that the content supports the original page

Best: Locate independent verification
The Burmese Mountain Dog

Burmese Mountain Dog Guarding

Gawdawpalin Temple

The Burmese Mountain Dog is a medium-sized, muscular dog originally bred in Burma (Myanmar) to guard Buddhist temples. It was bred to guard the temples, and keep the temples free of rodents and beggars. It is also known as the Burmese Temple Dog. In 1954, a group of Burmese Cynam Lords set up a standard for the Burmese Mountain Dog which has remained virtually unchanged ever since. The Burmese Mountain Dog Club of America was established in 1985 to foster the breed in the United States and the world.

So you want to own a Burmese Mountain Dog?

- The Burmese Mountain Dog is a breed of dog able to guard, ferret small game, and protect property.
- The Burmese Mountain Dogs are remarkably clean dogs. They are easy to keep as they are rarely noisy or
A Bogus Site

Attention Students: Try our MLK Pop Quiz

Martin Luther King, Jr.

A True Historical Examination

That night King retired to his room at the Willard Hotel. There FBI bugs reportedly picked up 14 hours of party chatter, the clinking of glasses and the sounds of illicit sex - including King's cries of "I'm f--ing for God" and "I'm not a Negro tonight!"

Newsweek Magazine
January 19, 1998

http://www.MartinLutherKing.org
True Site, Bogus Implication

Welcome to the website for the Dihydrogen Monoxide Research Division (DMRD), currently located in Newark, Delaware. The controversy surrounding dihydrogen monoxide has never been more widely debated, and the goal of this site is to provide an unbiased data clearinghouse and a forum for public discussion.

Explore our many Special Reports, including the DHMO FAQ, a definitive primer on the subject, plus reports on the environment, cancer, support research, and an insider.

http://www.dhmo.org
Unit I Project

Create a bogus (fictitious) Web page

To appreciate how easy it is to fake "quality" info you will build a bogus Web page

• Modify photograph, changing its meaning
• Write misleading text
• Add “authenticity” links, fake credentials …
Unit I Project

* Your page should look as legitimate as possible, but contain false information
* A site visitor should start out believing your site, but by the time they finish reading, they should realize that it’s a hoax
* Forget subtlety!
Project 1 Details on Web

You will …

* Write page in HTML
* Find/take a photo
* Modify w/ Photoshop
* Find “authenticity” links
* Milestones
  - Turn In by 5pm Friday January 25:
    Web page plans and selected photos
  - Turn In by 5pm Friday February 1:
    Complete Web page + photo

Topics
Mars Rover
Iraq Reconstruction
UW Athletics Woes
Democratic Race
California Recall
Recent Int’l Story
Google Research
Here’s How It Works

Follow these steps:

* Create your page on your local computer
* When finished, publish it on the server
* Do not touch after the deadline (5:00 pm)
* Submit your files in Catalyst Collect It
* Leave your page unchanged until grading is complete

We will check the timestamps
Upcoming

• HW 2 due tonight at 5pm
• Martin Luther King holiday on Monday
• Labs 2 and 3 are due Tuesday
• For Wednesday:
  * Read Chapter 7 of Fluency
• Any lab next week:
  * Pop quiz
Questions

• Over the weekend and throughout the next six weeks, think about
  * What is Dante and where is it?
  * Where are your Web files stored?
  * What is the Students server?
  * How does Students relate to what is in your SSH File Transfer window?
  * What does “local” mean?
  * What does “remote” mean?