Lab AA on Tuesday

FIT100

- For those of you in Lab AA, Stuti had to wait well over an hour for a bus and got here too late for her lab.
  - ∗ In future she will
    - leave home earlier on snowy days
    - contact us asap to give us a chance to find a substitute
    - contact Student Services to put a sign on the door
    - send an email to the listserv

1

Lab AA on Wednesday

FIT100

- So everyone in Lab AA will have two more days to complete Labs 2 and 3, and Homework 2.
  - ∗ See Catalyst Collect-It for due dates

2

Announcements

FIT100

- Inclement weather
  - ∗ Policy:
    - Safety First! No faculty, staff, or student should attempt to travel to campus if you believe it would be unsafe to do so because of snow, sleet, or ice.
  - ∗ Classes are rarely suspended
  - ∗ Announcements on UW main page
  - ∗ Call (206) UWS-INFO (897-4636) or 1 888 897-4636

3

HW 2 Change

FIT100

- Change in how HW2 will be turned in
  - ∗ Create a Word document with
    - Name
    - Student ID
    - Lab Section
    - The URL for your hw2 directory
  - ∗ Upload only the Word doc to Catalyst
  - ∗ For more info see the latest version of HW2

4

Another Change

FIT100

- Uploading to Catalyst Collect-It
  - ∗ Manually added students for each section. . .
    - Because class lists for sections not hooked up with TAs yet
  - ∗ Links changed for Stuti's and Keith's sections
  - ∗ Find link for your lab section at top of Calendar page
  - ∗ Use same link all quarter

5

Announcements

FIT100

- **CLASS RULES**
  - ∗ **Lecture ends at 1:20pm!**
  - ∗ **I expect quiet until class is over as a**
    - **Courtesy to me and a**
    - **Courtesy to your fellow students**
  - ∗ This means that *no one*
    - picks up their backpack or puts their notebook away until 1:20pm
    - leaves until after the lights are turned back up at 1:20pm

6

Announcements

FIT100

- Due by today
  * Chapters 1-4 in *Fluency*
- For Friday
  * Read Chapter 5

7

Announcements

FIT100

- Quiz
  * Thursday/Friday online in lab
  * Bring a photo ID such as Husky ID or Driver's License
  * Chapters 1-3 of *Fluency*
  * 10 Multiple-choice or true-or-false questions
  * When I wrote the quiz, I added feedback so you will find out immediately
    - Why one answer is correct and not the others and
    - What score you received

8

Announcements

FIT100

- Catalyst Turn-In Areas
  * Finally ready
  * Had to manually add students for each section
    - Class lists for sections not hooked up with TAs yet
  * Go to the links at the top of the course calendar
    - Demonstration

9

More About Networks

FIT100

- Campus Area Network (CAN)
  * Examples
    - Microsoft – Redmond, WA
    - Cisco Systems – San Jose, CA
    - Any Boeing Plant – Renton, Kent, Auburn, Everett
    - Typical High School or College campus
  * Buildings in close proximity
  * Wired ethernet cable connects buildings
  * One-time capital cost
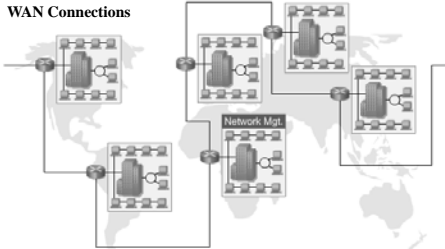
10

More About Networks

FIT100

- Metropolitcan Area Network (MAN)
  * Examples
    - Boeing Puget Sound Facilities (10+ campuses)
    - Typical School District with multiple campuses
  * Multiple buildings in close proximity
  * Third-party service between buildings
  * Monthly expense for connectivity

11

Global Businesses

FIT100

WAN Connections

Slide 1

FIT100

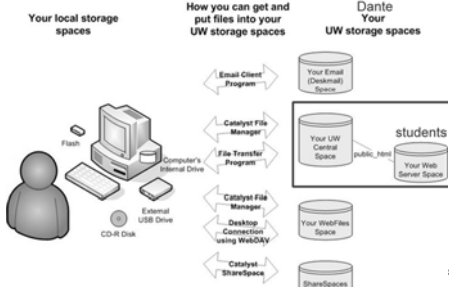### A Bit More on Web Servers

- Web servers
  * serve Web pages
  * store Web pages
- When a browser requests a Web page, the server responds by sending the page
  * The browser on the local computer is the client
  * Server is also called the host for the Web site

13
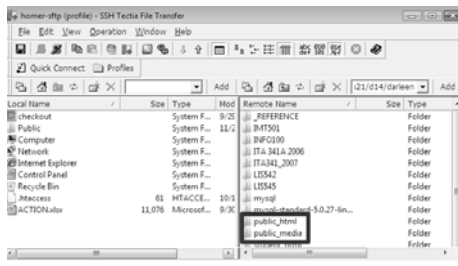
Slide 2

FIT100

Your UW Storage Space

Slide 3

FIT100

Your Web Files

15

Slide 4

FIT100

Web servers

- Your Dante account is private
- Public or Web pages
  * Public_html
  * Shortcut or link to the Vergil server (Students)
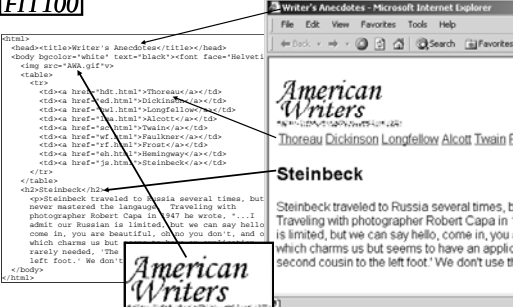 * Shortcut is in your Dante account
- http://students.washington.edu/your UWNetID/fit100/

16

Slide 5

FIT100

Hypertext Markup Language

HTML is the language of Web pages

© 2004 Lawrence Snyder

17

Slide 6

FIT100

Web Pages in HTML

HTML Structure

FIT100

All HTML files use the same structure:

```
<html>
  <head>
    <title>Name of Page Goes Here
    </title>
        Heading content goes here
  </head>
  <body>
        Body content goes here
  </body>
</html>
```
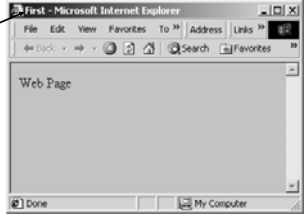
Web page content goes in the body

19

First HTML Web Page

FIT100

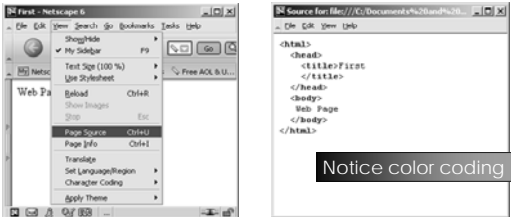This HTML produces this result

```
<html>
  <head>
    <title>First
    </title>
  </head>
  <body>
   Web Page
  </body>
</html>
```

Content

First - Microsoft Internet Explorer
File Edit View Favorites To Address Links
Back Search Favorites
Web Page
Done   My Computer

20

The Source

FIT100

The HTML code producing a page is the
source...which can always be viewed

```
<html>
  <head>
    <title>First
    </title>
  </head>
  <body>
   Web Page
  </body>
</html>
```

Notice color coding

HTML Must Be Text

FIT100
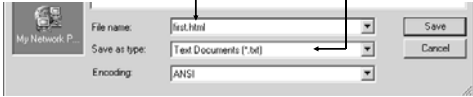
Word processors (recall Chap. 2) insert
formatting tags, confusing browsers

- Create source in NotePad, etc.
- Save in **Text** or **txt** format
- Save with file extension **.html**

Avoid
Confusion

File name: first.html   Save
Save as type: Text Documents (*.txt)   Cancel
Encoding: ANSI

22

Illustrate the Process

FIT100

23

Illustrate the Process

FIT100

```
<html>
 <head><title>Party Time</title>
 </head>
 <body bgcolor="white">
   <h2>I'm thinking ...</h2>
   <h1> I need downhill skiing!!! </h1>
 </body>
</html>
```

24

Add An Image

FIT100

Images are encoded two ways:

GIF -- Graphics Interchange Format -- is for diagrams and simple drawings

JPEG -- Joint Photographic Experts Group -- is for high resolution photos, complex art

• The encoding is given in the file extension

• Image tags for placing images

`<img src="writers.gif">`

tag   attribute name (source)   path name to file

25

File Structure

FIT100

The path must say how to reach the file

• When the file is in the directory as the web page, just give the file name, `ski.jpg`

• If the file is in a subdirectory, say how to navigate to it, `pix/ski.jpg`

• If the file is in a superdirectory, move up using dot-dot notation, `../ski.jpg`

The most common reason that an image is not displayed is the path is wrong … check!

26

Files, Folders, & Paths

FIT100

• Net Point Video
• Files, Folders, and Paths

27

Illustrate the Process

FIT100

28

Illustrate the Process

FIT100

```
<html>
 <head><title>Party Time</title>
 </head>
 <body bgcolor="black">
   <font color="white">
 <h2>I'm thinking ...</h2>
 <h1> I need downhill skiing!!! </h1>
 <hr>
 <img src="ski.jpg">
 </body>
</html>
```

I'm thinking ...

I need downhill skiing!!!

Illustrate

FIT100

30

Illustrate

FIT100

The file is accessed from the same directory, from a subdirectory and from the containing directory

31

Summary

FIT100

Web pages are written in HTML
- The files must be text
- The file extension must be `.html`

Tags enclose content like parentheses
- Control look with attributes on tags

Use a change-and-test process

Images have two formats and explicit paths
- Either absolute or relative

32

Looking Ahead

FIT100

- Read Chapter 5 for Friday
- Quiz during your Thursday-Friday labs on chapters 1- 3 of *Fluency*
- Next week's pop quiz will cover chapters 3-5 of *Fluency*

33