The World Wide Web

- Learning Objectives:
  - o Section 1.8, 1.9 & 1.10 on pp. 24-37
- Understand differences between WWW and Internet
- Give an introduction to hypertext
- Discuss the concept of a URL

1.8 The World Wide Web and Web Browsers

- The World Wide Web has become a popular means of sharing information on the Internet

- The Web and the Internet are not the same
  - o WWW is a particular way to use the 'Net to share information

- Q1: What are some other examples of ways to share information online?

Parts of the WWW

- Remember the client/server model?
- Web browser (client)
  - o application on your local computer
  - o displays web pages (HTML), images, etc
  - Q2: How many different web browsers can you name?
- Web server (server)
  - o software that receives request from your web browsers
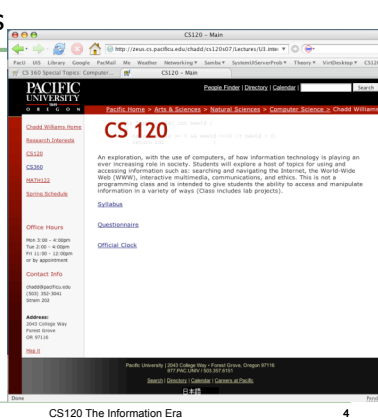 - o sends your computer web pages/images/etc

Web pages

- What exactly is a web page?

- What are the important parts of a web page?

Web Pages

- A web page is an ASCII text file in HTML form

- HTML: HyperText Markup Language
  - formatting information that tells the web browser how to display the information on the page
    - **bold**, *italics*, center, etc
  - hyperlinks to other web pages and data files

  - Q3: Why is it an ASCII text file?
  - Q4: What type of data file may a web page link to?

URL

- Each web page has a unique URL (address)
  - uniform resource locator
  - http://zeus.cs.pacificu.edu/chadd/index.html
  - What are the parts of the URL?
    - hostname?
    - domain name?
    - top level domain name?
    - what does http:// mean?
    - what does chadd/index.html mean?
  - Q5: How are hyperlinks and URLs related?

1.9 How to get online

- How can you get access to the Internet?
  - o accounts on university computers
  - o library or workplace computer
- From home, get an account with a commercial Internet Service Provider (ISP)
  - o your computer joins your ISP's computer network
  - o share their network connection

  Q6: List at least two ISPs

1.10 Browser Tips and Tricks

- You are responsible for reading and understanding this section
- Some of the questions on the homework are related to this section