

HTML and CSS

Session 1 - Presented May 12, 2010

Agenda

1. Review: What is the Internet and World Wide Web
2. What is HTML?
3. What do I need to create web pages?
4. What are the major steps in designing a web site?
5. Lesson 1 – Basic HTML
6. Lesson 2 – Structuring Text
7. Lesson 3 – Links

Is the Internet the
same thing as the
World Wide Web?

The Internet

The Internet is a computer network.

There are four types of computer networks.

1. SneakerNet
2. Peer to Peer
3. LAN
4. WAN

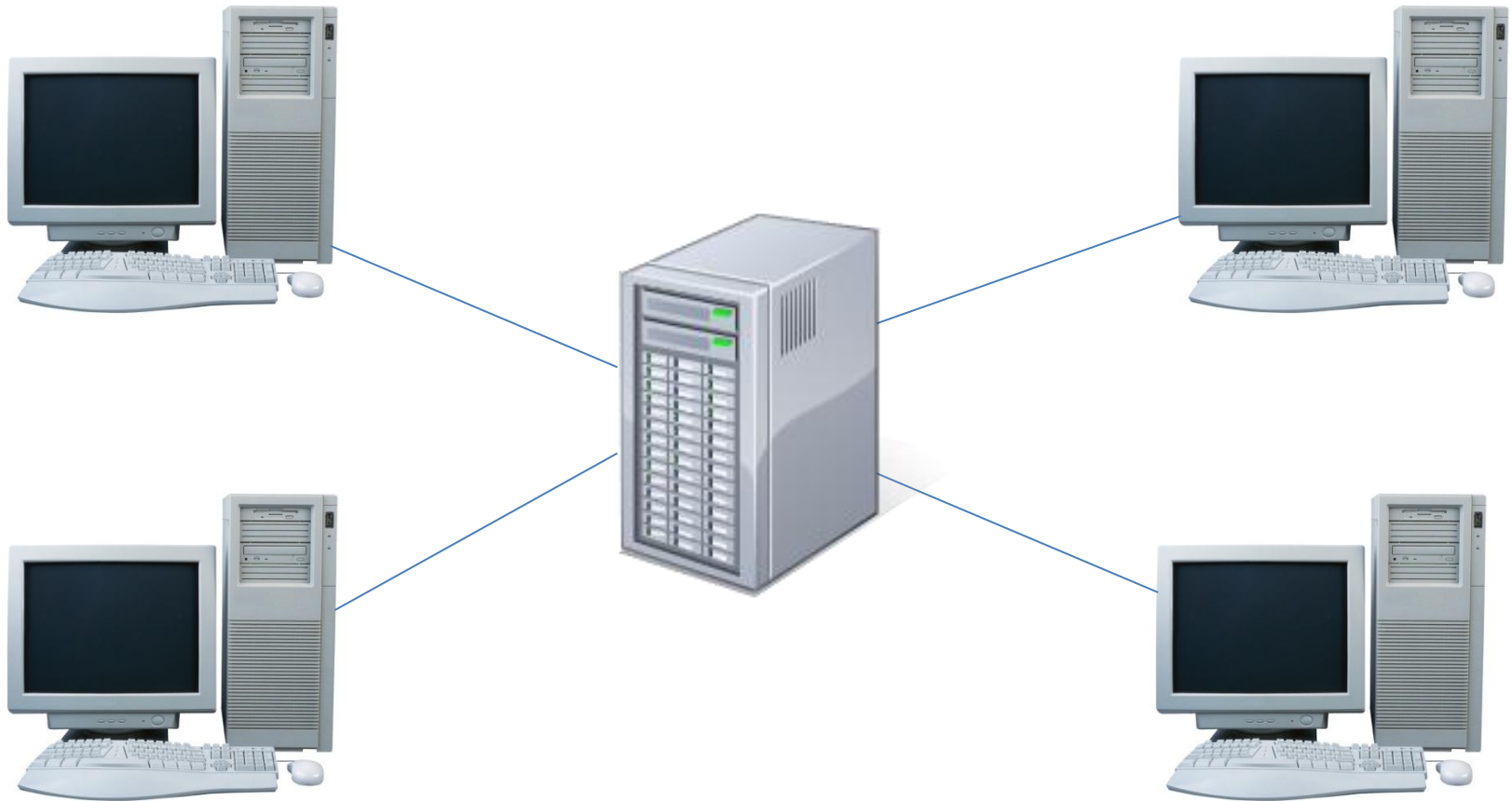
SneakerNet



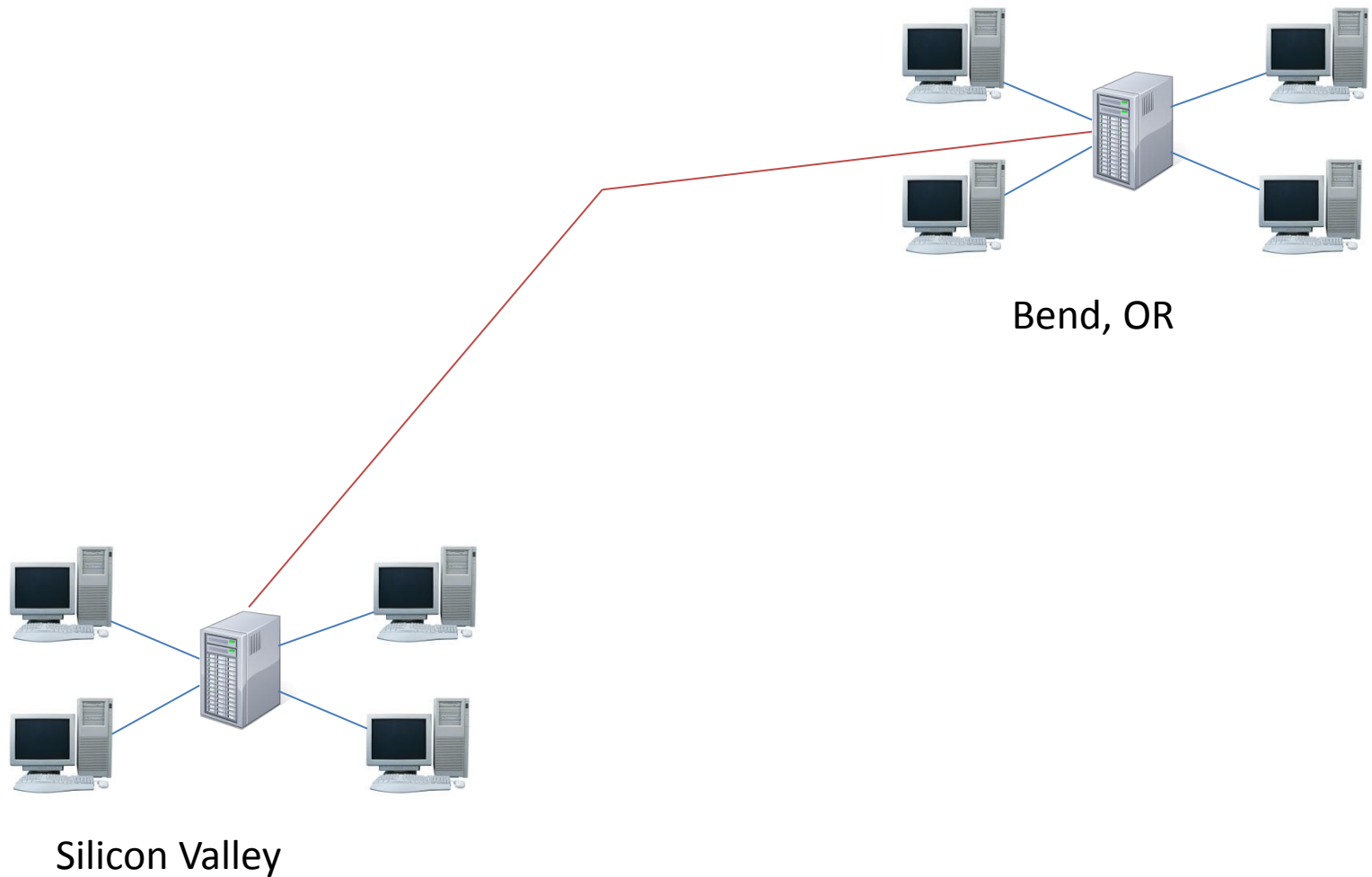
Peer to Peer



Local Area Network



Wide Area Network



So what is the Internet?

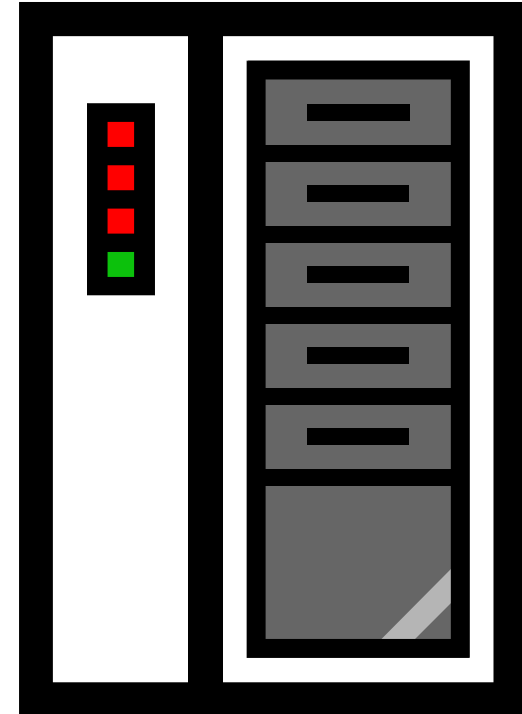
SneakerNet, Peer to Peer, LAN, or WAN

WWW vs. Internet

How is the WWW different from the Internet?



Web Page, Site, Server



What is HTML?

Hyper
Text
Markup
Language

What do I need to create web pages?



- Text Editor
- Browser
- Photo Editor
- FTP Program

Text editors

- Notepad

comes with Windows (look in All Programs | Accessories)

- TextEdit

comes with Mac (look in Applications folder)

- Notepad++

for Windows - <http://notepad-plus-plus.org/download>

- TextWrangler

for Mac - <http://www.barebones.com/products/textwrangler>

Browsers

- Internet Explorer

Comes with Windows

- Safari

Comes with Mac

- Google Chrome

<http://www.google.com/chrome>

- FireFox

<http://www.mozilla.com/firefox>

Photo editors

- **Paint**

Comes with Windows (look in All Programs | Accessories)

- **Graphic Converter**

For Mac - <http://www.graphicconverter.net>

- **Picasa**

<http://picasa.google.com>

- **PhotoShop**

<http://www.adobe.com/products/photoshop.html>

- **PhotoShop Elements**

<http://www.adobe.com/products/photoshopel>

FTP programs

- FileZilla

For windows - <http://filezilla.sourceforge.net>

- Cyberduck

for Mac - <http://cyberduck.ch>

WYSIWYG editors

- Dreamweaver

<http://www.adobe.com/products/dreamweaver.html>

- Microsoft Expression Web

http://www.microsoft.com/expression/products/Web_Overview.aspx

Web design process

1. Create a plan
2. Create a folder for the whole site
3. Create a subfolders for images, sounds, movies, etc.
4. Put images in the subfolder
5. Create an HTML template
6. Create pages based on the template
7. Upload to ISP

Lesson 1 – Basic HTML

```
<html>...  
  <head>  
    <title>This is the title</title>  
  </head>  
  <body>  
    <h1>This is a heading</h1>  
    <p>This is a paragraph</p>  
  </body>  
</html>
```

Main divisions of the Body

- MastHead
- NavBar
- MainText
- Footer

Tag categories

- Header vs. Body
- Block vs. Inline
- Physical vs. Logical
- Paired vs. Single

Lesson 2 – Structure text

- Block elements
- Inline elements
- Logical and physical elements
- Proper nesting
- Entities
- Horizontal rules
- Big and Small

Lesson 2 - Lists

- Unordered lists
- Ordered lists
- List items
- Definition lists
- Definition term
- Definition description

Lesson 3 - Links

- Link to another page
- Link to another site
- Link to an email address
- Link to back to top
- Link to a graphic
- Link to a sound file
- Link to a movie file

Where can I learn more?

- Books

<http://www.axzopress.com/96/258/1-4188-3806-3.aspx>
www.sitepoint.com

- HTML reference

www.w3schools.com/tags/ref_byfunc.asp

- HTML colors

www.w3schools.com/tags/ref_colornames.asp

- Online lessons

www.w3schools.com