


### Fluency with IT

A local area network is:

- A. An exclusive social club.
- B. A group of computers, usually in a single building, connected by cables.
- C. Local television affiliates of the big networks.

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### Fluency with IT

A local area network is:

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### Review

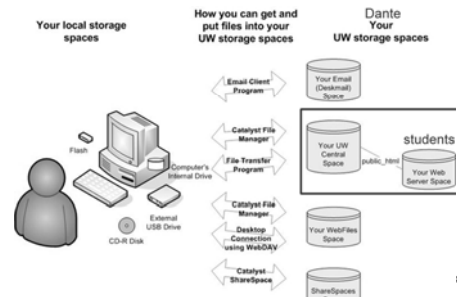
I gave everyone credit for the question on factor of improvement of planes over covered wagons.

Next week's quiz will cover chapters 3 and 4 of the Snyder textbook and everything covered in lab and lecture this week.


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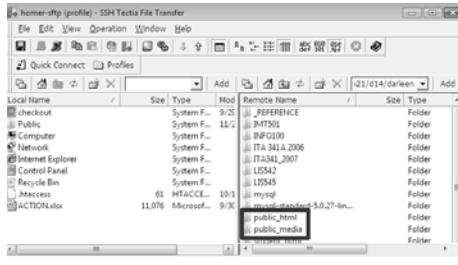
### Your UW Storage Space




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### Your Web Files




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### Internet History

Webmaster Series Video (13 min.)  
[History of the Internet Part 1](#)

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## TCP/IP

Packet-Switching  
Animation

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## Hypertext Markup Language

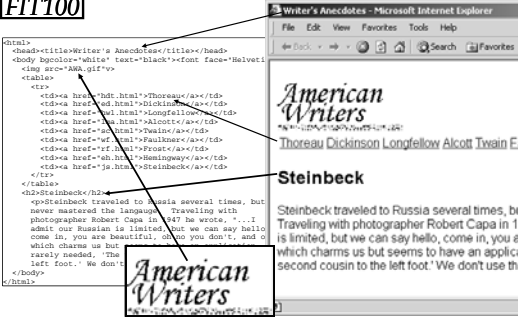
*HTML is the language of Web pages*

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## Web Pages in HTML



HTML code snippet:

```

<html>
<head><title>Writers' Anecdotes</title></head>
<body bgcolor="white" text="black">
<table border="1">
<tr>
<td><a href="td.html">Thoreau</a></td>
<td><a href="td.html">Dickinson</a></td>
<td><a href="td.html">Longfellow</a></td>
<td><a href="td.html">Alcott</a></td>
<td><a href="td.html">Twain</a></td>
<td><a href="td.html">Faulkner</a></td>
<td><a href="td.html">Frost</a></td>
<td><a href="td.html">Hemingway</a></td>
<td><a href="td.html">Steinbeck</a></td>
</tr>
</table>
<td>Steinbeck traveled to Russia several times, but never mastered the language. Traveling with photographer Robert Capa in 1937 he wrote, "...I admit our Russian is limited, but we can say hello come in, you are beautiful, oh go you don't, and o which charms us but seems to have an applic second cousin to the left foot." We don't use th
  
```


Rendered page content:

**American Writers**

Thoreau Dickinson Longfellow Alcott Twain E...

**Steinbeck**

Steinbeck traveled to Russia several times, but never mastered the language. Traveling with photographer Robert Capa in 1937 he wrote, "...I admit our Russian is limited, but we can say hello come in, you are beautiful, oh go you don't, and o which charms us but seems to have an applic second cousin to the left foot." We don't use th



## HTML Structure


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

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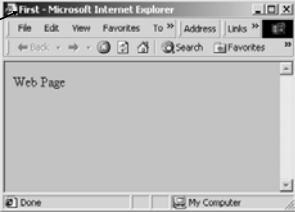
## First HTML Web Page

This HTML produces this result


```

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

Content →

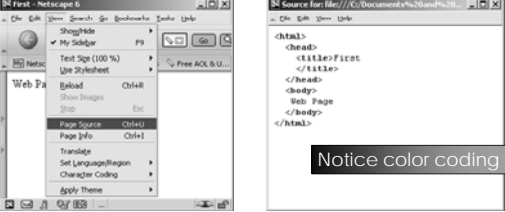


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## The Source

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



Notice color coding

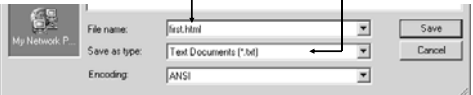


## HTML Must Be Text


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




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## Illustrate the Process

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## Illustrate the Process

```

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

```

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## Add An Image

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


```



```

tag    attribute name (source)    path name to file

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## File Structure

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!


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## Files, Folders, & Paths


- Net Point Video
- Files, Folders, and Paths

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## Illustrate the Process

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## Illustrate the Process


```

<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>

</body>
</html>


```





## Illustrate


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## Illustrate

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

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## Summary

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

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