Intro to Multimedia

Professor Moore
email: crysmoore@nyu.edu
class website: mars1980.github.io/mmp100.html

Agenda

1. Introductions
2. Go over the syllabus
3. Overview of how the internet works
4. Overview of basic HTML syntax
5. Writing our first HTML document
6. Assignment for next class

me

you

name? experience with multimedia? What are your goals for BMCC?

this class

mars1980.github.io/mmp100.html

What is the internet?

The Internet Explained

A network of millions of computers that are linked together in order to share information.
1. hardware
2. software
3. protocols

The Internet Explained

A network of millions of computers that are linked together in order to share information.

1. hardware
   a. PCs, Laptops, Phones, Modems, Tablets, Routers
2. software
3. protocols

The Internet Explained

A network of millions of computers that are linked together in order to share information.
 1. hardware
 2. software
    a. computer programs like Safari, Photoshop, Komodo
 3. protocols

The Internet Explained

A network of millions of computers that are linked together in order to share information.

1. hardware
2. software
3. protocols
   a. a set of rules that determine how computers share information.
   b. <u>http:</u> the set of rules that everyone uses for sharing web pages
   c. <u>ftp:</u> protocol for transferring files from a computer to a server

The Internet Explained

Server and Client Requests:

> The foundation on how computers interact with one another.

The Internet Explained

Server and Client Requests

    a.   Server = machine always connected to the internet

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    b.   Client= your laptop, my phone, etc

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    c.   each piece of hardware gets an IP address (192.168.33.1)

The Internet Explained

Server and Client Requests

    a.   Server = machine always connected to the internet
    b.   Client= your laptop, my phone, etc
    c.   each piece of hardware gets an IP address (192.168.33.1)
    d.   clients and servers communicate through a 'request and response' protocol

The Internet Explained

Creating Resources

- resource: web page, image, video, sound file, etc.

The Internet Explained

Creating Resources

- resource: web page, image, video, sound file, etc.
- Programs that create resources:
  - photoshop, illustrator, after effects, flash, dreamweaver, text editors such as sublime and komodo

The Internet Summed up

a **vast network** composed of millions of millions of millions of client server requests.

This is **awesome** because we can share images, videos, and text with each other and don't have to worry about if it will get there or if the email I wrote to my boss comes out legible.

The Internet is also a collection of zillions of web pages.

How do we create a web page?

HTML

Hypertext Markup Language

HTML
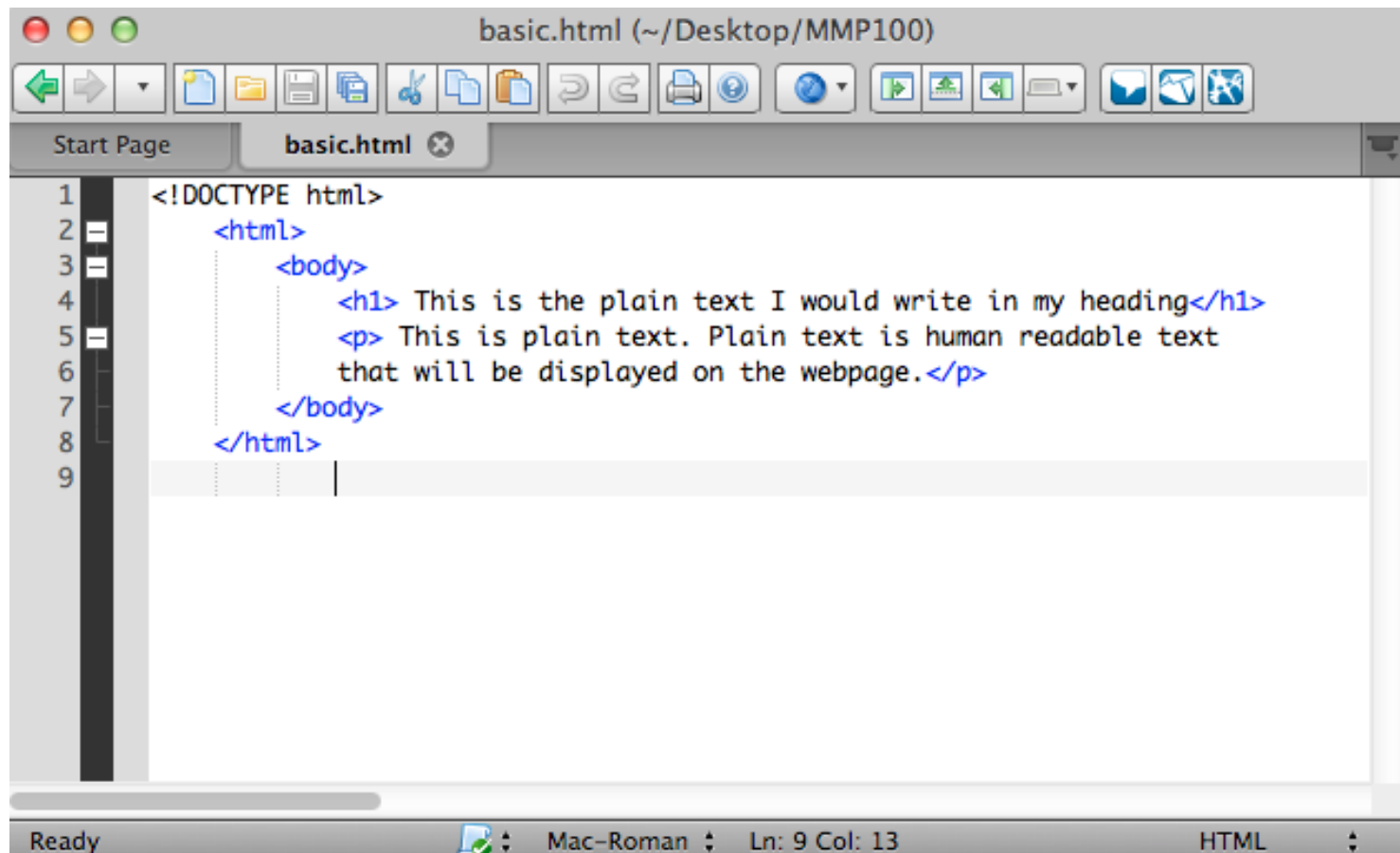
text that links to other pages

text that annotates 'plain text'

Hypertext Markup Language

the language of web pages consisting of 2 parts

HTML

plain text vs. tags (or elements) (annotation)

HTML

tag/elements: come in pairs & enclosed in angle brackets. ALWAYS.

\<html> \</html>

opening tag

closing tag

HTML

Basic web page elements

html

visualization of how html structures the web page

```
<!DOCTYPE html>
  <html>
    <body>
      <h1> This is a header</h1>
      <p> This is a paragraph</p>
      <p> This is another paragraph</p>
    </body>
  </html>
```
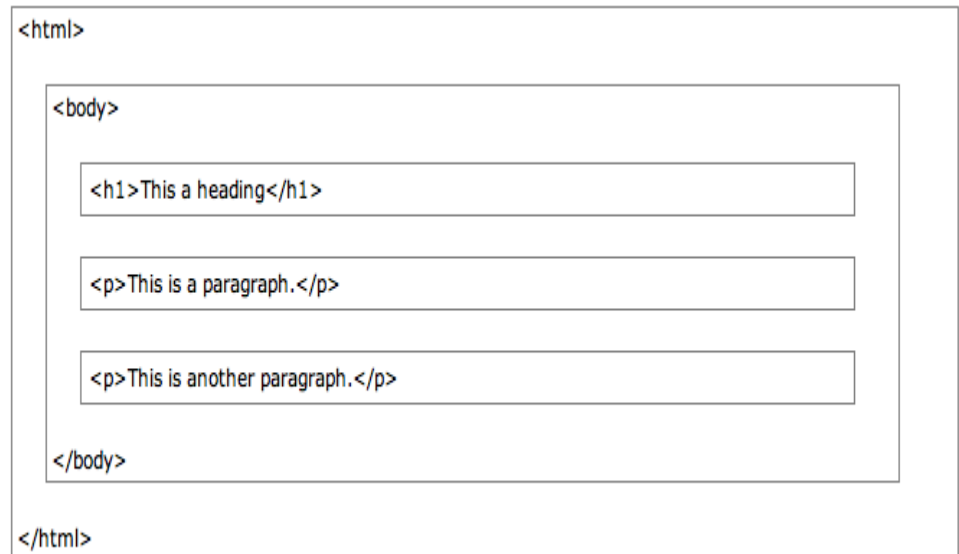
```
<html>

    <body>

        <h1>This a heading</h1>

        <p>This is a paragraph.</p>

        <p>This is another paragraph.</p>

    </body>

</html>
```

HTML Naming Conventions

*the web does not like spaces in filenames.

best to use:
1. UpperCamelCase - server side
2. lowerCamelCase - easy to read, javascript
3. alllowercase - good but hard to read long
4. with_under_scores - not seen much
5. css-convention-with-dashes - you'll see this a lot

How to organize website files

1. index.html
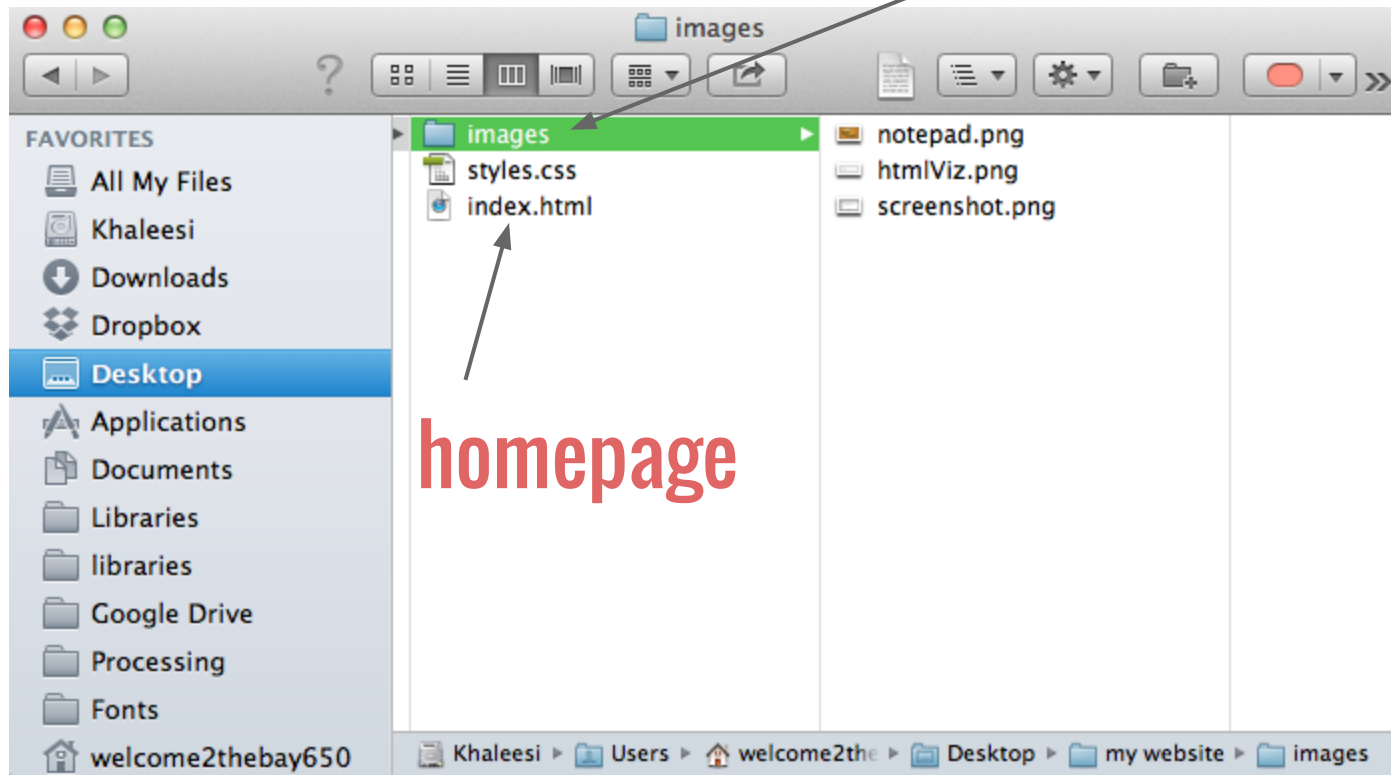   i. the homepage or root of any directory (or folder)
2. directory structure
    a. if your website has many file, you should store similar files in a directory (or folder). Ex: all images in your site should be in a folder called 'images'.
    b. sometimes directories require subdirectories.

How to organize website files

directory

homepage

* this example is from my desktop, but hosting on a server (using an FTP client) will look very similar

Text Editors

Creates Web Pages (resource)

first assignment

demo