

html & css basics

class one

intro to HTML, HTML page structure,
text, images, & links



what is HTML?

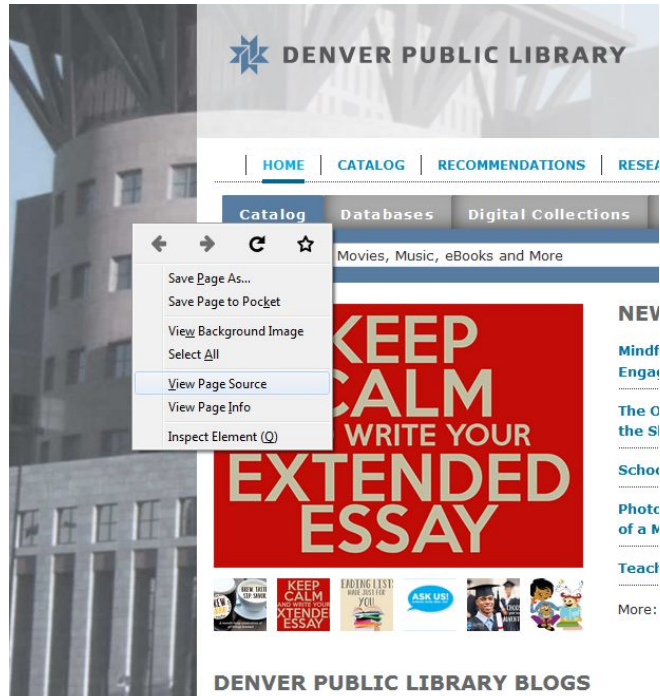
- Hyper Text Markup Language
- The language of the web:
- HTML documents = web pages
- Deals with content – design is for CSS
 - SEMANTIC vs. STYLE
- HTML standards set by [Web Hypertext Application Technology Working Group](#) (WHATWG) and [World Wide Web Consortium](#) (W3C). HTML 4.01 released in 1999, HTML 5 set for formal recommendation in 2014.

web browsers

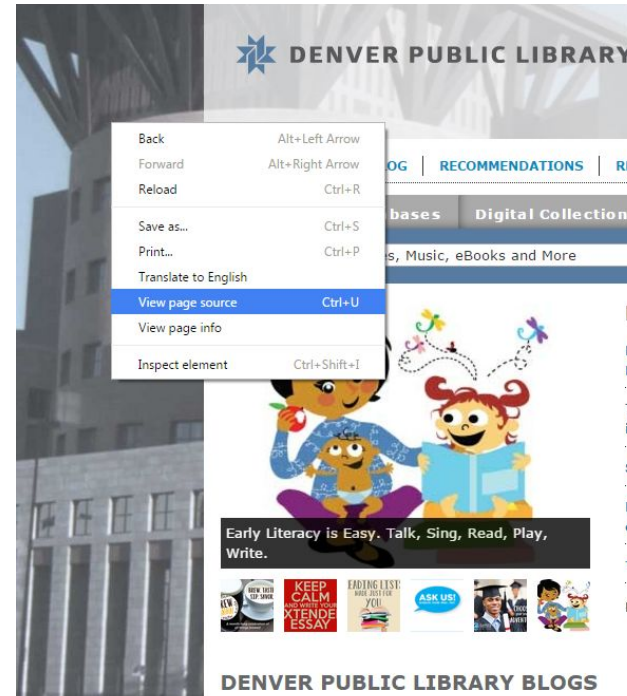
- Web browsers are programs made to display HTML documents.
- There are many of them:
 - Chrome
 - Explorer
 - Firefox
 - Opera
 - Safari

viewing HTML

Firefox:



Chrome:



HTML editors

- Any text editor will work (but please don't use Word)
- We'll use Notepad++ (Windows only)
- <http://notepad-plus-plus.org/>
- Other options you can use:
 - Sublime Text (<http://www.sublimetext.com/>) OSX, Windows, Linux
 - Text Wrangler (<http://www.barebones.com/products/TextWrangler/>) OSX only
 - And about a gazillion others...

HTML syntax

`<tag attribute="value"></tag>`

or

`<tag attribute="value" />`

basic page structure

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>name of webpage</title>
    <link rel="stylesheet" href="URL" />
  </head>
  <body>
    <header></header>
    <nav></nav>
    <section></section>
    <footer></footer>
  </body>
</html>
```

<!DOCTYPE>

- Points browser toward Document Type Definition (DTD)
- Should always be included before `<html>`
- HTML5 standard is `<!DOCTYPE html>`

TRY IT:

```
<!DOCTYPE html>
```

```
Sam & Sally's Cafe
```


<html></html>

- Tells the browser that it's reading an HTML document.
- Add a language tag to declare what language the content on your website is written in.

TRY IT:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
Sam & Sally's Cafe
```

```
...etc...
```

```
  &copy;2012 Sam & Sally's Cafe | Home | About Us | Menu |  
Direction
```

```
</html>
```

<head></head>

- Contains information about the page, but not necessarily shown. Helps organize and design the page.

TRY IT:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
  </head>
```

```
  Sam & Sally's Café
```

<body></body>

- Contains the visible part of the HTML page – what the browser will show.

TRY IT:

```
</head>
```

```
<body>
```

```
Sam & Sally's Cafe
```

```
...etc...
```

```
  &copy;2012 Sam & Sally's Cafe | Home | About Us | Menu |  
Direction
```

```
</body>
```

```
</html>
```

headings `<h1></h1>`

TRY IT:

```
<body>
```

```
  <h1>Sam & Sally's Café</h1>
```

```
  ...etc...
```

```
  <h2>Great food & great times</h2>
```

```
  ...etc...
```

```
  <h3>Hours</h3>
```

```
  ...etc...
```

```
  <h3>Reservations </h3>
```

```
  ...etc...
```

```
  <h3>Upcoming events</h3>
```

```
  ...etc...
```

```
  <h3>Join Our Mailing List</h3>
```

comment <!-- -->

TRY IT:

```
<!-- this is where I leave a comment -->
```

paragraph `<p></p>`

TRY IT:

`<p>`This is a paragraph welcoming the visitor to come check out the cafe. ...etc... In sodales felis pulvinar ligula gravida sodales.
`</p>`

...etc...

`<p>`We're happy you'd like to join us for a meal! There are three ways to make reservations:`</p>`

...etc...

`<p>`Check out the folowing events. All events will take place at Sam & Sally's Cafe. Be sure to check back for new events posted regularly.`</p>`

...etc...

`<p>`Paragraph about our mailing list and how to join.`</p>`

line break `
`

TRY IT:

Hours`
`

Monday 5 PM - 9 PM

text tag <i>

<i>

Text in an alternate voice or mood, or otherwise offset from the normal prose, such as a taxonomic designation, a technical term, an idiomatic phrase from another language, a thought, a ship name, or some other prose whose typical typographic presentation is italicized

“Joie de vivre”

Text stylistically offset from the normal prose without conveying any extra importance, such as key words in a document abstract, product names in a review, or other spans of text whose typical typographic presentation is boldened

“Press the enter key to continue”

represents stress emphasis of its content, not importance

“You didn’t go to the store.”

represents strong importance for its contents

“DO NOT go near the pit full of spikes.”

image ``

attributes: `src`, `alt`, `width`, `height`

TRY IT:

Directions

```

```

```

```

```

```

```
<h2>Great food & great times</h2>
```

link `<a>`

Linking to other pages on your website.

TRY IT:

```
<a href="index.html">Home</a>
```

```
<a href="about.html">About Us</a>
```

```
<a href="menu.html">Menu</a>
```

```
<a href="directions.html">Directions</a>
```

link `<a>`

Linking to pages external to another website.

TRY IT:

```
Reserve online through <a href="
http://www.opentable.com"
>OpenTable</a>
```