

the web page

this is the first slide of the rest of your class

Things We've Already Talked About



Specific Content

Examples of html tags

<title>

<link>

<article>

<script>

<section>

<meta>

A more ridiculous bookshelf taxonomy

```
<book>
```

```
  <title>HTML5  for  Designers
```

```
</title>
```

```
<chapters>
```

```
  <chapter>
```

```
    <page  />
```

```
    <page  />
```

```
  </chapter>
```

```
</chapters>
```

```
</book>
```

HTML

HTML Tag Review

<html>

<head>

<body>

<p>

<a>

<h1>

<h2>

<h3>

<h4>

<h5>

<h6>

HTML Document Tags

`<!DOCTYPE html> ?`

`<html>`

`<head>`

`<body>`

HTML Content Tags

<p>

<a>

<h1>

<h2>

<h3>

<h4>

<h5>

<h6>

<header>

<footer>

<section>

<article>

<aside>

Sets of Tags

- Some tags can be used by themselves
- Some tags must have a direct parent/child relationship
- Some tags are part of a larger set, some of which can be used, some of which must be used as parent/child

Solo Tags

<p>

<a>

<hr>

<small>

Parent/Child Sets

Related Sets

<header>

<section>

<h1>

<footer>

<article>

<h2>

<aside>

<h3>

<h4>

<h5>

<h6>

Use of Solo Tags

`<p>This is the first paragraph
in my amazing story.</p>`

``

`<p>What an amazing cat, am I
right?
 I'm glad we're in`

`<a href="http://
cooper.edu">agreement.</p>`

Use of Related Tags

```
<header>
```

```
  <h1>This is a headline!</h1>
```

```
  <h2>An unfortunate story  
  beginning.</h2>
```

```
</header>
```

```
<article>
```

```
  <h4>Chapter 1</h4>
```

```
  <p>It was a dark and stormy  
  night..</p>
```

```
</article>
```

Use of Parent/Child Tags

```
<h1>A list of cuisines</h1>
```

```
<ul>
```

```
<li>Italian</li>
```

```
<li>Thai</li>
```

```
<li>French</li>
```

```
<li>American Bistro</li>
```

```
<li>Michelin Star</li>
```

```
<li>Japanese</li>
```

```
<li>Ethiopian</li>
```

```
</ul>
```


Use of Parent/Child Tags

```
<h1>Favorite Star Trek  
Television shows</h1>
```

```
<ol>
```

```
<li>Next Generation</li>
```

```
<li>Deep Space 9</li>
```

```
<li>TOS</li>
```


```
<li>Enterprise</li>
```

```
<li>Voyager</li>
```

```
</ol>
```

Full HTML Document

```
<!DOCTYPE html>
<html>
  <head>
    <title>My 1st site!</title>
  </head>
  <body>
    <p>The cheese stands alone.</p>
  </body>
</html>
```



All content tags go
inside the <body>

HTML Attributes

Rules of Tags

- Self-closing tags

`<tag />`




Where is the
content?

- Non-self-closing tags

`<tag> content </tag>`

Review of the "a" tag

```
<a href="http://www.cooper.edu">Cooper Union</a>
```




The href
attribute

Review of the "img" tag

```

```



The src
attribute

Rules of Attributes

- Attributes can go on every html tag in an entire document
- Attributes are used to describe a tag more specifically than just using a tag name
- Some attributes only apply to a specific set of tags
- Attributes are a way of imposing a custom taxonomy onto a specific list of tags

Attribute Syntax

`Cooper Union`

attribute
name

attribute
value

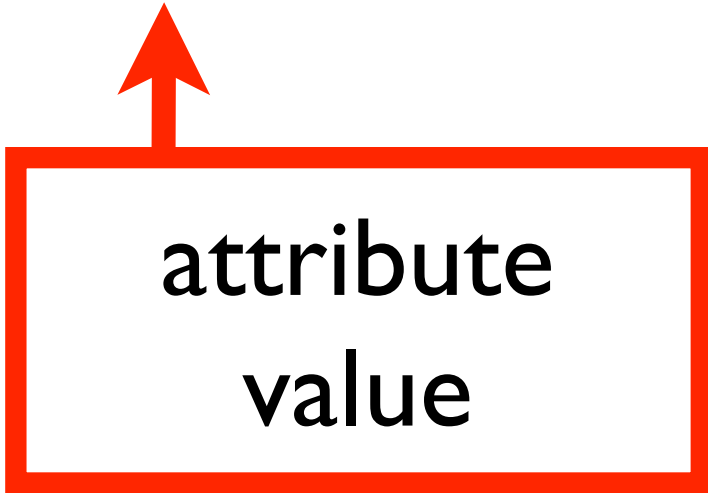
tag
content

Attribute Syntax

``



attribute
name



attribute
value

Common Attributes

href

src

id

class

name

value

Common Attribute Explanations

- href = this tag references another document
- src = the contents of another document should be embedded in this tag
- id = this is a unique identifier within this document
- class = there are many of these things in this document

A bookshelf taxonomy

```
<bookshelf>
```

```
  <shelf>
```

```
    <book />
```

```
    <book />
```

```
    <book />
```

```
  </shelf>
```

```
  <shelf>...</shelf>
```

```
</bookshelf>
```

A bookshelf taxonomy with attributes

```
<bookshelf>  
  <shelf id="shelf1">  
    <book id="book1" />  
    <book id="book2" />  
    <book id="book3" />  
  </shelf>  
  <shelf id="shelf2">...</shelf>  
</bookshelf>
```

A valid bookshelf taxonomy

```
<section id="bookshelf">  
  <div id="shelf1" class="shelf">  
    <article id="1" class="book" />  
    <article id="2" class="book" />  
    <article id="3" class="book" />  
  </div>  
  <div id="shelf2"  
    class="shelf">...</div>  
</section>
```

Assignment:

Create a valid html document and taxonomy using attributes

- Start with your taxonomy from last week, or create a new one.
- Use only valid HTML tags.
- Annotate tags with ids and classes, where relevant.
- Save your work in SublimeText as a .html file, and post it to the slack channel.
- Validate your work!

HTML Page Requirements

- Doctype
- Html tag
- Head
- Body

Html Page (very bare)

```
<!DOCTYPE html>
```

Html Page (very bare)

```
<!DOCTYPE html>
```

```
<html>
```

```
</html>
```

Html Page (very bare)

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    </head>
```

```
</html>
```

Html Page (very bare)

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    </head>
```

```
    <body>
```

```
      </body>
```

```
</html>
```

Html Page (very bare)

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Page Title</title>
```

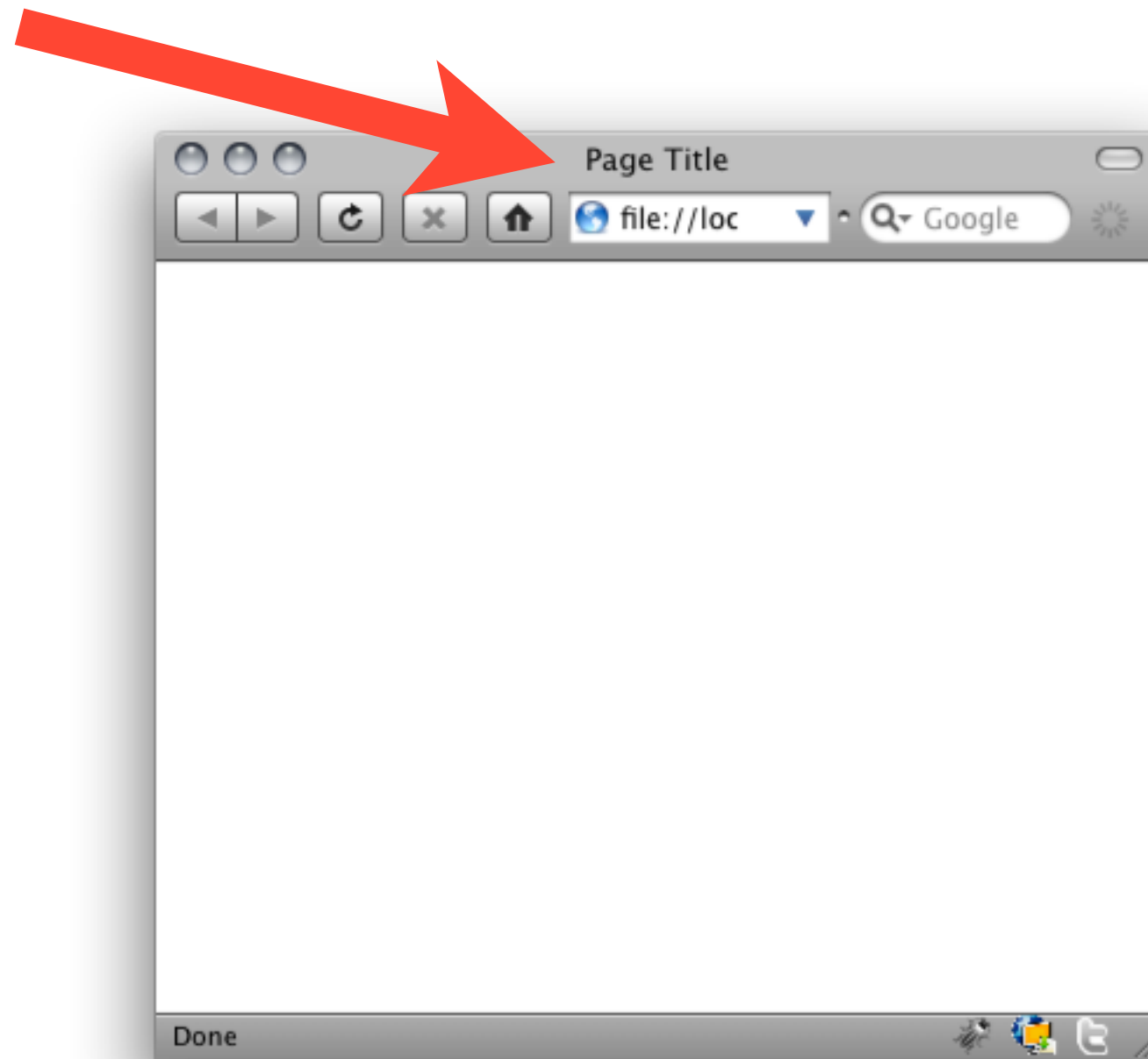
```
  </head>
```

```
  <body>
```

```
    </body>
```

```
</html>
```

Html Page (with title)



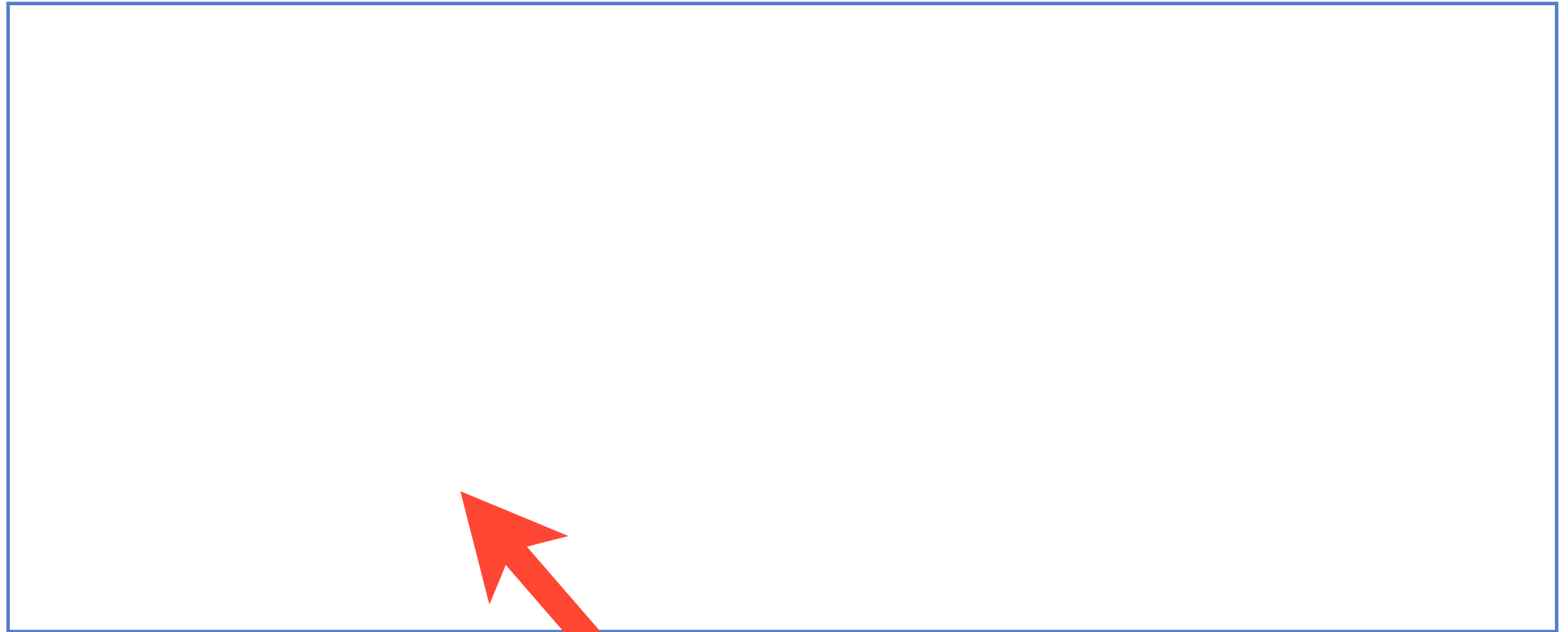
```
<html>
```

```
<head>
```

```
<title>Page Title</title>
```

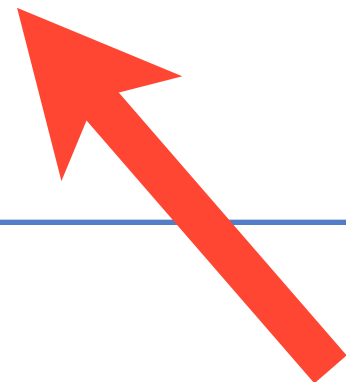
```
</head>
```

```
<body>
```



```
</body>
```

```
</html>
```



Every other tag goes here

http://validator.w3.org

The screenshot shows the W3C Markup Validation Service website. The browser's address bar displays `validator.w3.org/#validate_by_upload`. The page has a blue header with the W3C logo and the text "Markup Validation Service" and "Check the markup (HTML, XHTML, ...) of Web documents". Below the header are three tabs: "Validate by URI", "Validate by File Upload" (which is selected), and "Validate by Direct Input". Under the "Validate by File Upload" tab, there is a section titled "Validate by File Upload" with the instruction "Upload a document for validation:". Below this is a file input field with the text "File: Choose File No file chosen". A red arrow points from a red-bordered box containing the text "Upload your file here" to the "Choose File" button. Below the file input field is a link "More Options". A note states: "Note: file upload may not work with Internet Explorer 6 and earlier. For more information, see our [information page](#) on the W3C QA Website." Below the note, there is a paragraph: "This validator checks the [markup validity](#) of Web documents, [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#). If you wish to validate specific content such as [RSS/Atom feeds](#) or [XSL stylesheets](#), see our [information page](#) on the W3C QA Website. As an alternative you can also try our [non-DTD-based validator](#)." At the bottom left is the "W3C Validator Suite" logo. In the center, there is a link: "Try now the [W3C Validator Suite™](#) premium service that checks your entire website and evaluates its conformance with W3C open standards to quickly identify those portions of your website that need your attention." Below this, it says: "The W3C validators rely on community support for hosting and development. [Donate](#) and help us build better tools for a better web." At the bottom right, there is a "5004" counter and a "Flattr" button. The footer contains links: "Home", "About...", "News", "Docs", "Help & FAQ", "Feedback", and "Contribute".

W3C® Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI Validate by File Upload Validate by Direct Input

Validate by File Upload

Upload a document for validation:

File: Choose File No file chosen

More Options

Note: file upload may not work with Internet Explorer 6 and earlier. For more information, see our [information page](#) on the W3C QA Website.

This validator checks the [markup validity](#) of Web documents, [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#). If you wish to validate specific content such as [RSS/Atom feeds](#) or [XSL stylesheets](#), see our [information page](#) on the W3C QA Website. As an alternative you can also try our [non-DTD-based validator](#).

W3C VALIDATOR Suite

Try now the [W3C Validator Suite™](#) premium service that checks your entire website and evaluates its conformance with W3C open standards to quickly identify those portions of your website that need your attention.

The W3C validators rely on community support for hosting and development. [Donate](#) and help us build better tools for a better web.

5004
Flattr

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