Tags

All classes

Agenda

- What is a tag?
- Tag types
- Examples
  - paragraphs
  - line breaks
  - images
  - links
  - tables
  - lists
  - fonts

What is a tag?

- a tag helps do describe the website
- helps the browser to separate between text and is formatting
- a tag is based on
  - name (img, p)
  - attributes
  - values
- *"The basic structure of an HTML document includes tags, which surround content and apply meaning to it."*

Tag Attributes

- tags can have attributes
- raw pattern
  - <tag attribute="value">Sample content</tag>
- example
  - Sample text

Tag Examples

- <head>
-    <title>Browser Title</title>
- </head>

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">


<html>


<head>

        <title>My first web page</title>

</head>


<body>

        This is my first web page
```

Tag Examples

- paragraphs
  - <p>this is my first paragraph</p>
- line breaks
  -
- highlighting
  - bold text
  - italic text
- abbreviations
  - <abbr title="Educational Support Tibet">E.S. Tibet</abbtr>

Tag Examples

- Lists

```
<ul>
  <li>List element 1</li>
  <li>List element 2</li>
</ul>
```

- ul = unordered list
- li = list element

```
<ol>
  <li>List element 1</li>
  <li>List element 2</li>
</ol>
```

- ol = ordered list

Tag Examples

- Headings
  - <h1>Heading 1</h1>
  - <h2>Heading 2</h2>
  - ...
- Links
  - link to other documents
  - Link text
  - a = anchor
  - href = hyper reference

Tag Examples

- Images
  -
  - img = image
  - src = source
  - alt = alternative

Tag Examples

- Table

```
<table>
  <tr>
    <td>Cell 11</td>
    <td>Cell 21</td>
  </tr>
  <tr>
    <td>Cell 12</td>
    <td>Cell 22</td>
  </tr>
</ul>
```

- tr = table row (not for data, only for td´s)
- td = data cell

Comments

- <!-- this is a comment -->

Tag Elements

- three types of elements
  - block elements
  - inline elements
  - image elements
  - text elements

Block Elements

- stand alone (not inline, in a line)
- start and end with a new line
  - normally
- <h1>, <p>, <ul>, <table>, <br>, ...

Inline Elements

- do **NOT** start and end with a new line
  - normally
- can be used in a line of text
- <b>, <td>, <a>, <i>

Image Elements

- two ways
  - inline element
  - block element
- inline
  - <img src="image.png" height="100" width="200" alt="this is our school" title="Note the nice mountains" >
  - height, width, alt and title are very important
- block
  - surround with <figure></figure> tag
  - add a <figcaption> as a description

Text Elements

- display / format text
  - <p>, <h1>, <h2>, <ol>, <ul>, ...
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