HTML

Class 3

Lists

HTML has exactly the same set of lists as LaTeX:

- unordered list (ul)
- ordered list (ol)
- definition list (dl)

A list is a block element.

List Elements

- in unordered and ordered lists, a list item is enclosed in li tags
  `<li>This is a list item</li>`
- in a definition list, the defined term (dt) element comes first
- followed by a definition (dd) element
  `<dt>widget</dt>`
  `<dd>a type of gizmo</dd>`

```
widget
     a type of gizmo
```

- the default rendering of lists is quite plain

Nested Lists

- nested lists are very natural
- there's a right way and a wrong way to nest lists
- the rule: a list can only contain list elements

Right

```
<ul>
  <li>Coffee</li>
  <li>Tea
    <ul>
      <li>Black tea</li>
      <li>Green tea</li>
    </ul>
  </li>
  <li>Milk</li>
</ul>
```

Wrong

```
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <ul>
    <li>Black tea</li>
    <li>Green tea</li>
  </ul>
  <li>Milk</li>
</ul>
```

Example

lists.html

- different browsers are supposed to render correct content identically
- how different browsers render invalid content is anyone's guess
- just because it looks ok doesn't mean it's correct

Tables

extremely similar to LATEX tables, except you don't have to declare the number of columns

- a table is a block element denoted by the table tag
- a row or column header is denoted with the th tag
- a cell is denoted by the td tag
- every row must contain the same number of columns, but:
  - a cell can span multiple columns with the colspan attribute
  - a cell can span multiple rows with the rowspan attribute

tables.html

Table Use

- tables are the single most-abused element on the web
- they are extensively used for layout
- but that is incorrect
- grid (and other things) are used for layout

- use a table only for data!
- use a table if:
  - the items are information that would make sense to have in a spreadsheet
  - the items have header fields at the top of columns of data or to the left of rows of data

Table Use

do not use a table for layout!

- do not use a table for:
  - positioning text
  - just to get the background color of cells
  - arranging images strategically on the page

while syntactically legal, embedding a table within a table is just wrong

not going to show you how to do it

Validation

- HTML5 is a language
- semantics are occasionally debated
- syntax is agreed upon

http://validator.w3.org