CSE 154

LECTURE 17: HTML TABLES

HTML tables: , ,

A 2D table of rows and columns of data (block element)

- table defines the overall table, tr each row, and td each cell's data
- tables are useful for displaying large row/column data sets
- NOTE: tables are sometimes used by novices for web page layout, but this is not proper semantic HTML and should be avoided

Table headers, captions: >, <caption>

```
<caption>My important data</caption>

Column 1
Column 2

1,1
1,2 okay

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```

- •th cells in a row are considered headers; by default, they appear bold
- a caption at the start of the table labels its meaning

Styling tables

- all standard CSS styles can be applied to a table, row, or cell
- table specific CSS properties:
 - border-collapse, border-spacing, caption-side, empty-cells, table-layout

The border-collapse property

Without bordercollapse

Column 1	Column 2
1,1	1,2
2,1	2,2

With border-collapse

Column 1	Column 2
1,1	1,2
2,1	2,2

- by default, the overall table has a separate border from each cell inside
- the border-collapse property merges these borders into one

The rowspan and colspan attributes

```
  Column 1Column 2Column 3
  1,1-1,2
  Colspan="3">1,3-3,3
  Ctd rowspan="3">1,3-3,3

  Ctr>2,1Ctr>Ctr>3,1

  Ctr>3,1

HTML
```

Column 1	Column 2	Column 3
1,1-1,2		
2,1	2,2	1,3-3,3
3,1	3,2	

HTML

- colspan makes a cell occupy multiple columns; rowspan multiple rows
- text-align and vertical-align control where the text appears within a cell

Column styles: <col>, <colgroup>

Column 1	Column 2	Column 3
1,1	1,2	1,3
2,1	2,2	2,3

output

- col tag can be used to define styles that apply to an entire column (self-closing)
- colgroup tag applies a style to a group of columns (NOT self-closing

Don't use tables for layout!

- (borderless) tables appear to be an easy way to achieve grid-like page layouts
 - many "newbie" web pages do this (including many UW CSE web pages...)
- but, a table has semantics; it should be used only to represent an actual table of data
- instead of tables, use divs, widths/margins, floats, etc. to perform layout
- tables should not be used for layout!
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