<u>Tutorial 5 -</u> <u>Building HTML tables</u>

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A Text Table

Computer Models

Manufacturer	Model	Price
City Computers	P325+	\$2500
MidWest CPU	586/Ultra	\$2700
CowCity Computers	P133/+	\$2450
CMF Computers	P150z	\$2610

☐ Good for text-based browsers in UNIX systems

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A Graphical Table

Computer Models				
Manufacturer	Model	Price		
City Computers	P325+	\$2500		
MidWest CPU	586/Ultra	\$2700		
CowCity Computers	P133/+	\$2450		
CMF Computers	P150z	\$2610		

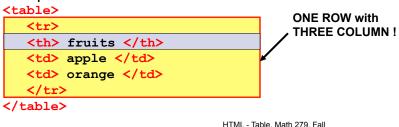
- ☐ Better looking
- ☐ More flexibility
- ☐ Good for browsers in Windows system

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3

Creating Tables

- □ ... tags
- add a row
 - o ...
- add a cell
 - ...
 - ..., cell content is bolded and centered
- Example



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Attributes for cell tags ,

- □ COLSPAN: allows a cell span two columns
- □ ROWSPAN: allows a cell span two rows
- example

```
 fruits 

apple 

orange
```

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5

Working with row groups

- □ Three types of rowgroups
 - o <thead>: marker header rows, one header-rowgroup per table
 - o <tfoot>: mark footer rows, one footer-row-group per table
 - : mark body rows, a table can have multiple body-row-groups with different "names"

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Working with row groups syntax

<thead>

```
EXAMPLE
<thead>
                  KPAF Programs 
    table rows
              </thead>
              <tfoot>
                  Time 
    table rows
                  Program 
 </tfoot>
              </thead>
    table rows
 Note: <tfoot> is placed
BEFORE
```

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Working with column groups

- □ To define a column, on the top of a table, add <col span="value" />
 - o value is the number of columns in the group
- <col /> tag supports the align, bgcolor, valign, and width attributes.
- □ e.q., <col class="column1" span="2" /> col.column1 {background-color: red}

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The <colgroup> tag

- Another way of grouping columns is by using <colgroup> tag
- syntax:

```
<colgroup>
    columns
</colgroup>
```

- columns are definitions for individual columns within the group (defined using the <col> tag.)

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9

Attributes for table

- BORDER: defines the width of border lines, in pixels
- cellspacing: defines space between cells, in pixels
- cellpadding: defines space between cell border and content, in pixels
- □ WIDTH, HEIGHT: set table size or content size
 - o in pixels
 - o percentage percent of the display area
- example

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Attributes for table (cont.)

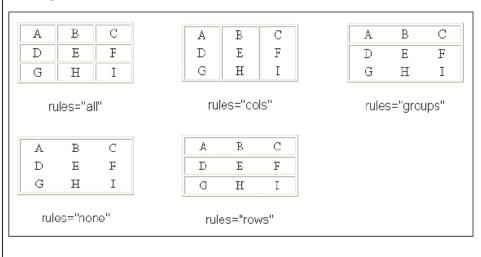
- frame, controls display of borderlines (Figure 5-27 in text)
 - o attribute value: "box" | "above" | "below" | "hsides" | "vsides" | "lhs" | "rhs" | "void"
- rules, controls display of table gridlines (Figure 5-29 in text)
 - o attribute value: "all" | "rows" | "cols" | "none"
- align, defines alignment of table contents in a cell
 - o attribute value: "left" | "right" | "center"
- valign, defines vertical alignment of table contents
 - o attribute value: "top" | "middle" | "bottom" | "baseline"

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11

Frame examples В C Α В CA Α В C F Ε D Ε F D Ε D F G Н G G Η Ι Η Ι frame="above" frame="below" frame="border" С C В С Α В Α A F F Ε F Ε D Ε D D Η Ι Η Η frame="lhs" frame="box" frame="hsides" F Ε Ε F Ε D F D Н frame="rhs" frame="vsides" frame="void" HTML - Table, Math 279, Fall

□ A table rules specifies how the internal gridlines are drawn within the table



Pseudo class(revisit)

- tagname:nth-of-type(i) select the element which matches the tagname and is the i-th child of its parent element
 - o e.g.: p:nth-of-type(2) select the second p tag
- □ Create banded table

```
tr:nth-of-type(odd) { background-color: yellow; }
tr:nth-of-type(even) { background-color: rgb(145, 255, 145); }
```

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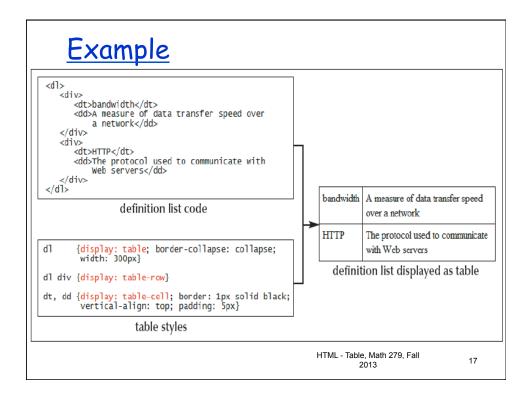
2013

14

Formatting Tables with CSS most general styles are those applied to the entire table table cells rows row groups columns column groups table lowest precedence HTML-Table, Math 279, Fall 2013

Applying Table Styles to Other Page Elements

Display Style	Equivalent HTML Element	
display: table	table (treated as a block-level element)	
display: table-inline	table (treated as an inline element)	
display: table-row	tr	
display: table-row-group	tbody	
display: table-header-group	thead	
display: table-footer-group	tfoot	
display: table-column	col	
display: table-column-group	colgroup	
display: table-cell	td or th	
display: table-caption	caption	
	HTML - Table, Math 279, Fall 2013	16



Homework

- □ READ Tutorial 5
- Review assignment
- □ Case Problem 1
- □ Case Problem 2

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