

XHTML: Tables

- ❖ Tables originally designed to display information in tabular form.
- ❖ Tables are often used for 2D page layout
 - ◆ Deprecated in favor of CSS positioning
- ❖ `<table>` `</table>` Table start and end
- ❖ `<caption>` `</caption>` Caption
- ❖ `<tr>` `</tr>` Table row start and end
- ❖ `<th>` `</th>` Table header element
- ❖ `<td>` `</td>` Table data element

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XHTML: Basic Table

```
<table width="60%" border="24"
cellspacing="16"
cellpadding="8"
summary="Prices">
```

Item	Price
Soy Milk	\$4.39
Frosted Flakes	\$3.89

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XHTML: Basic Table

```
<caption> </caption>
```

- ◆ All text mark up is allowed

```
<tr> </tr>
```

- ◆ `align="left"` or right or center or justify
- ◆ `valign="top"` or middle or bottom

```
<td> </td> and <th> </th>
```

- ◆ `align="left"` or right or center or justify
- ◆ `valign="top"` or middle or bottom
- ◆ `rowspan="n"` span cells across rows
- ◆ `colspan="n"` span cells across columns

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```
<table width="60%" border="24" cellspacing="16"
cellpadding="8" summary="Prices">
  <caption> <i>Store Prices</i> </caption>
  <tr>
    <th>Item</th>
    <th>Price</th>
  </tr>
  <tr>
    <td>Soy Milk</td>
    <td>$4.39</td>
  </tr>
  <tr>
    <td>Frosted Flakes</td>
    <td>$3.89</td>
  </tr>
</table>
```

Item	Price
Soy Milk	\$4.39
Frosted Flakes	\$3.89

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```

<table border="1">
  <caption>Student Averages and Class Size</caption>
  <tr> <th rowspan="2"></th>
  <th colspan="2">Average</th>
  <th rowspan="2" valign="bottom">Quantity</th> </tr>
  <tr> <th>height</th> <th>weight</th> </tr>
  <tr>
  <th>Males</th>
  <td>70</td>
  <td>160</td>
  <td>37</td>
  </tr>
  <tr>
  <th>Females</th>
  <td>65</td>
  <td>125</td>
  <td>35</td>
  </tr> </table>
  
```

Student Averages and Class Size

	Average		Quantity
	height	weight	
Males	70	160	37
Females	65	125	35

XHTML: Table Column Groups

<colgroup> </colgroup >

- ◆ align="left" or right or center or justify
- ◆ valign="top" or middle or bottom
- ◆ span="n" n=Number of affected columns
- ◆ width="n" n=Number of pixels or a n%

<col />

- ◆ align="left" or right or center or justify
- ◆ valign="top" or middle or bottom
- ◆ span="n" n=Number of affected columns
- ◆ width="n" n=Number of pixels or a n%

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```

<table width="300" border="4" cellspacing="16"
  cellpadding="8" summary="Prices">
  <caption> <i>Store Prices</i> </caption>
  <colgroup span="2">
    <col width="75%" align="center" />
    <col width="25%" align="right" />
  </colgroup>
  <tr>
  <th>Item</th>
  <th>Price</th>
  </tr>
  <tr>
  <td>Soy Milk</td>
  <td>$4.39</td>
  </tr>
  <tr>
  <td>Frosted Flakes</td>
  <td>$3.89</td>
  </tr> </table>
  
```

Store Prices

Item	Price
Soy Milk	\$4.39
Frosted Flakes	\$3.89

XHTML: Table Horizontal Groups

<thead> </thead >

- ◆ align="left" or right or center or justify
- ◆ valign="top" or middle or bottom

<tfoot> </tfoot>

- ◆ align="left" or right or center or justify
- ◆ valign="top" or middle or bottom

<tbody> </tbody>

- ◆ align="left" or right or center or justify
- ◆ valign="top" or middle or bottom

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```
<table width="300" border="4" cellspacing="16"
  cellpadding="8" summary="Prices">
  <caption> <i>Store Prices</i> </caption>
  <colgroup span="2"> <col width="75%" align="center" />
  <col width="25%" align="right" />
</colgroup>
<thead>
  <tr> <th>Item</th> <th>Price</th> </tr>
</thead>
<tbody>
  <tr> <td>Soy Milk</td> <td>$4.39</td> </tr>
  <tr> <td>Frosted Flakes</td> <td>$3.89</td> </tr>
</tbody>
</table>
```

2D Layout with Tables

```
<table border="1" cellspacing="0" cellpadding="0" width="500">
<tr> <td colspan="2" align="center"><b><big>Robert Laurie</big></b></td> </tr>
<tr valign="top">
  <td align="left">P.O. Box 9999<br />
  Tamuning, GUAM 96913</td>
  <td align="right" width="250">E-mail:
  <a href="mailto:bob@yahoo.com">bob@yahoo.com</a><br />
  Web site: <a href="http://www.islandman.org">
  www.islandman.org </a></td> </tr>
<tr> <td colspan="2"><hr /> </td> </tr> </table>
```

Robert Laurie	
P.O. Box 9999	E-mail: bob@yahoo.com
Tamuning, GUAM 96913	Web site: www.islandman.org
<hr/>	

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Borderless Tables for Margins

1. Initially set border="1" to view margin settings
2. Adjust margins as desired
3. Text is best read at a width of 400 to 500 Pixels
4. Pour the text into table element

	Grades: The grade in the course will be based on quizzes and projects as described below:
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5. Create additional columns for images
6. After appearance verified as intended set border="0" to make borderless table

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XHTML: Exercise

- ❖ Examine your web site and determine good candidates for tables to layout images and text or create margins.
- ❖ Use a text editor to create table trying different values and observing the effect.

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