

## 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
- ❖ `<tr>` `</tr>` Table row start and end
- ❖ `<th>` `</th>` Table header element
- ❖ `<td>` `</td>` Table data element
- ❖ `<caption>` `</caption>` Caption (Optional)

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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>
```

<i>Store Prices</i>	
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="0" cellspacing="2"
  cellpadding="4" summary="Prices">
  <colgroup span="2">
    <col style="text-align: center" width="75%" />
    <col style="text-align: right" width="25%" />
  </colgroup>
  <thead style="background-color: #FFCCCC">
    <tr> <th>Item</th> <th>Price</th> </tr> </thead>
  <tbody style="background-color: #CCCCFF">
    <tr> <td>Soy Milk</td> <td>$4.39</td> </tr>
    <tr> <td>Frosted Flakes</td> <td>$3.89</td> </tr>
  </tbody>
</table>

```

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

## 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>

```

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

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## Borderless Tables for Margins

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

	<p><b>Grades:</b> The grade in the course will be based on quizzes and projects as described below:</p>
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- Create additional columns for images
- After appearance verified as intended set border="0" to make borderless table

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