

HTML: 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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HTML: Basic Table with Attributes

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

The diagram shows a table with two columns: 'Item' and 'Price'. The first row contains 'Soy Milk' and '\$4.39'. The second row contains 'Frosted Flakes' and '\$3.89'. A green arrow labeled 'Cell Spacing' points to the gap between the two columns. A red arrow labeled 'Border' points to the thick border around the table. A purple arrow labeled 'Cell Padding' points to the space between the text and the cell border.

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

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HTML: 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>
```

The diagram shows a table with a caption 'Store Prices' centered above it. The table has two columns: 'Item' and 'Price'. The first row contains 'Soy Milk' and '\$4.39'. The second row contains 'Frosted Flakes' and '\$3.89'. A green arrow labeled 'Cell Spacing' points to the gap between the two columns. A red arrow labeled 'Border' points to the thick border around the table. A purple arrow labeled 'Cell Padding' points to the space between the text and the cell border.

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		
	height	weight	Quantity
Males	70	160	37
Females	65	125	35

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## 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> Store Prices </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

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## 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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Styles can be applied inline, embedded, or external CSS file

```
<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

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## Use CSS and avoid 2-D Table Layout

```
<table border="1" cellspacing="0" cellpadding="0"
width="500"><tr><td colspan="2" align="center">
<h3>Robert Laurie</h3> </td> </tr>
<tr> <td align="left">P.O. Box 9999

Iwakuni, Japan 96310</td>
<td align="right" width="250">E-mail:
bob@yahoo.com

Web site:
www.islandman.org </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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## Search Engine Cataloging

❖ Search engines generally use the Meta tags for cataloging purposes

❖ Meta tags are located in the head section

```
<head>
<title>Robert Laurie » Resume</title>
<meta name="keywords"
content="job, computer, engineer, web, design">
<meta name="description"
content="Robert Laurie + Guam + Engineer">
</head>
```

❖ Instructs search engine not to index web page

```
<meta name="robots" content="noindex, nofollow" >
```

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## Navigation

❖ Navigation Road signs:

- ◆ Make links clear and understandable
- ◆ Return to home obvious
- ◆ Current location obvious
- ◆ Be Consistent
- ◆ Use buttons and rollovers for hyperlinks

❖ 30 Second Rule:

- ◆ Download Page with images (<100 kBytes)
- ◆ Understand Page (Links)

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