



Web Technologies

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Web Page Construction— Part 3

Objectives



- Upon completing this section, you should be able to:
 - Insert tables.
 - Explain a table's attributes.
 - Edit a table.
 - Add a table header.
 - Insert images.



Tables



- The `<TABLE></TABLE>` element has four sub-elements:
- Table Row `<TR></TR>`.
- Table Header `<TH></TH>`.
- Table Data `<TD></TD>`.
- Caption `<CAPTION></CAPTION>`.
- The table row elements usually contain table header elements or table data elements.



Table Header

- Table Data cells are represented by the TD element. Cells can also be TH (Table Header) elements which results in the contents of the table header cells appearing **centered and in bold text**.

Tables



```
<table border="1">
```

```
<tr>
```

```
<th> Column 1 header </th>
```

```
<th> Column 2 header </th>
```

```
</tr>
```

```
<tr>
```

```
<td> Row1, Col1 </td>
```

```
<td> Row1, Col2 </td>
```

```
</tr>
```

```
<tr>
```

```
<td> Row2, Col1 </td>
```

```
<td> Row2, Col2 </td>
```

```
</tr>
```

```
</table>
```

Tables



Column 1 Header	Column 2 Header
Row1, Col1	Row1, Col2
Row2, Col1	Row2, Col2



Table Caption

- The `<caption>` tag defines a table caption.
- The `<caption>` tag must be inserted immediately after the `<table>` tag.
- By default, a table caption will be center-aligned above a table. However, the CSS properties [text-align](#) and [caption-side](#) can be used to align and place the caption.

Table Caption



Ex:

```
<table border="1">  
  <caption>Monthly savings</caption>  
  <tr>  
    <th>Month</th>  
    <th>Savings</th>  
  </tr>  
  <tr>  
    <td>January</td>  
    <td>$100</td>  
  </tr>  
</table>
```

Try these:

```
<caption style="text-align:right">My savings</caption>  
<caption style="caption-side:bottom">My savings</caption>
```



Tables Table sizes

- HTML tables can have different sizes for each column, row or the entire table.
- Use the style attribute with the width or height properties to specify the size of a table, row or column.

Table sizes

HTML Table Width

➤ To set the width of a table, add the style attribute to the <table> element:

Ex:

```
<table border="1" style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
</table>
```



Table sizes



HTML Table Column Width

- To set the size of a specific column, add the style attribute on a <th> or <td> element:

Ex:

```
<table border="1" style="width:100%">
  <tr>
    <th style="width:70%">Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
</table>
```

Table sizes



HTML Table Row Height

- To set the height of a specific row, add the style attribute on a table row element.

Ex:

```
<table border="1" style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr style="height:200px">
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
</table>
```



HTML Table Padding & Spacing

- HTML tables can adjust the padding inside the cells, and also the space between the cells.

HTML Table – Cell Padding

- Cell padding is the space between the cell edges and the cell content.
- By default the padding is set to 0.

Ex:

```
<table border="1">
<tr>
<th style="padding:20px">Language</th>
</tr>
<tr>
<td style="padding:10px">Java</td>
</tr>
</table>
```



HTML Table Padding & Spacing

HTML Table – Cell Spacing

- Cell spacing is the space between each cell.
- It sets the space between the cells in terms of pixels.

Ex:

```
<table border="1" style="width:100%" cellpadding="10">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
</table>
```



HTML Table Colspan & Rowspan

- HTML tables can have cells that spans over multiple rows and/or columns.

NAME		

APRIL		

2022		
FIESTA		



HTML Table Colspan & Rowspan

HTML Table – Colspan

➤ To make a cell span over multiple columns, use the colspan attribute:

Ex:

```
<table border="1" style="width:100%">
  <tr>
    <th colspan="2">Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>43</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Anne</td>
    <td>57</td>
  </tr>
</table>
```



HTML Table Colspan & Rowspan

HTML Table – Rowspan

➤ To make a cell span over multiple rows, use the rowspan attribute:

Ex:

```
<table border="1" style="width:100%">
  <tr>
    <th>Name</th>
    <td>Jill</td>
  </tr>
  <tr>
    <th rowspan="2">Phone</th>
    <td>555-1234</td>
  </tr>
  <tr>
    <td>555-8745</td>
  </tr>
</table>
```



HTML Images

- Images can improve the design and the appearance of a web page.
- The HTML tag is used to embed an image in a web page. It does not have a closing tag.
- Images are not technically inserted into a web page; images are linked to web pages. The tag creates a holding space for the referenced image.
- The tag has two required attributes:
 - src – Specifies the path to the image
 - alt – Specifies an alternate text for the image

```

```

HTML Images

The src Attribute

- The required src attribute specifies the path (URL) to the image.

```

```

The alt Attribute

The required alt attribute provides an alternate text for an image.

The value of the alt attribute should describe the image.

If a browser cannot find an image, it will display the value of the alt attribute.





Image Size – Width and Height

- **Width (WIDTH):** is the width of the image in pixels.
- **Height (HEIGHT):** is the height of the image in pixels.
- You can use the **style** attribute to specify the width and height of an image.

```

```

Alternatively, you can use the width and height attributes:

```

```

- Always specify the width and height of an image.

Images in another folder/another website



- If you have your images in a sub-folder, you must include the folder name in the src attribute.

```

```

- To point to an image on another server, you must specify an absolute (full) URL in the src attribute.

```

```



Some Examples on images

- ``
- ``
- ``

Questions ???





Thank You.