

Tables and iFrames

WEB DEVELOPMENT FUNDAMENTALS



More HTML

- Objectives
 - To use HTML tables
 - To use HTML Iframes
- Contents
 - Tables
 - IFrames
- Practical Exercises
 - Enhancing your web site with table
- Summary

Tables

```
<table>
<tr>
  <th>Song</th>
  <th>Singer</th>
</tr>

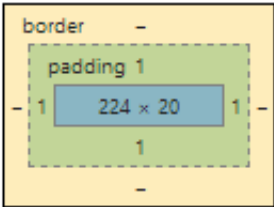
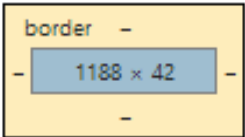
<tr>
  <td>I dreamed a dream</td>
  <td>Fantine</td>
</tr>

<tr>
  <td>Bring him home</td>
  <td>Valjean</td>
</tr>
</table>
```

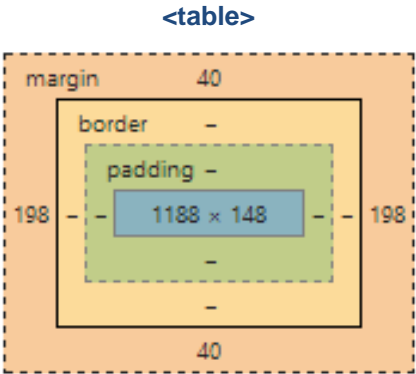
Song	Singer
I dreamed a dream	Fantine
Bring him home	Valjean

Table Box Models

- Table cells have a different box model for rows and cells
- <thead> <tbody> <tr>



- <td> <th>

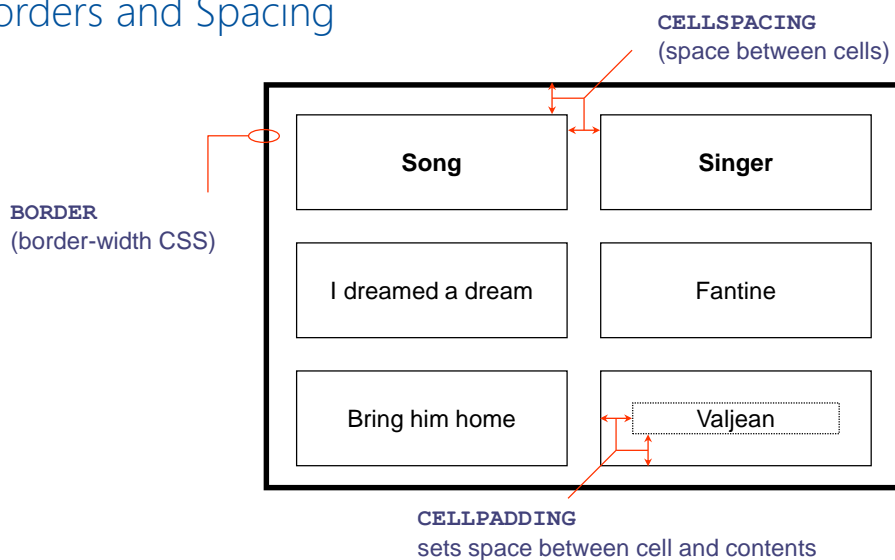


Tables

- Tables can be controlled with CSS with a series of properties
 - The first is the table-layout, which has two options – auto and fixed
 - Tells the CSS processor how precisely to divide up the column widths
- Inter-cell padding is set with the border-spacing attribute
 - Equal in all directions
- Every table cell defined by a `<td>` or `<th>` tag has four borders
 - Standardly, these butt up against each other
 - So setting a 1px border with no border-spacing is a doubled value
 - This can be controlled with the border-collapse property
 - separate – default borders butt
 - collapse – borders overlap

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Table Borders and Spacing



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Background Colour and Images in Tables

```
<table style="background-image: url('BACKGR.JPG')">
<tr>
  <th colspan=3>Bmp</th>
  <th colspan=3>Gif</th>
</tr>
<tr>
  <th>24-bit</th><th>8-bit</th><th>4-bit</th>
  <th>24-bit</th><th>8-bit</th><th>4-bit</th>
</tr>
<tr>
  <td>258</td><td>87</td><td>43</td>
  <td style="background-color:#FF0000">N/A</td><td>6</td><td>5</td>
</tr>
</table>
```

Bmp			Gif		
24-bit	8-bit	4-bit	24-bit	8-bit	4-bit
258	87	43	N/A	6	5

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Tables: row and column groups

- Groups create structural units within a table
 - Style sheets or other formatting tags can be applied to a group
- Row groups
 - Must contain at least one row (<tr>)
 - THEAD / TFOOT - Potential for fixed header / footer and scrolling table contents
 - TBODY - Table can have more than one TBODY
 - Potential for more than one 'block' of information, where data may benefit from being displayed as logical 'blocks'
- Columns and column groups
 - COLGROUP creates a group of columns - Table can have more than one COLGROUP
 - COL specifies formatting for columns in a group

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Table attributes

- CHAR
 - Specifies a character on which the content will be aligned
 - Default is the decimal point
 - Can be used in THEAD, TFOOT, TBODY, COL, COLGROUP

```
<col width="20" align="char" char=":">
```

- SUMMARY
 - Provides description of table information for non-visual user agents
 - Can be used within TABLE

```
<table summary="This table provides...">
```

Flight	Departs
AA3798	23:55
BA234	0:15

More Complex Table Layouts

```
<table>
<tr>
  <th colspan="3">BMP</th>
  <th colspan="3">GIF</th>
</tr>
<tr>
  <th>24-bit</th><th>8-bit</th><th>4-bit</th>
  <th>24-bit</th><th>8-bit</th><th>4-bit</th>
</tr>
<tr>
  <td>258</td><td>87</td><td>43</td>
  <td>n/a</td><td>6</td><td>5</td>
</tr>
</table>
```

BMP			GIF		
24-bit	8-bit	4-bit	24-bit	8-bit	4-bit
258	87	43	N/A	6	5

Table Captions

```
<table>
<caption>Songs from "Les Miserables"</caption>
<tr>
  <th>Song</th>
  <th>Singer</th>
</tr>
<tr>
  <td>I dreamed a dream</td>
  <td>Fantine</td>
</tr>
<tr>
  <td>Bring him home</td>
  <td>Valjean</td>
</tr>
</table>
```

- The table caption will be centered above a table
- CSS "text-align" and "caption-side" can be used to align the caption

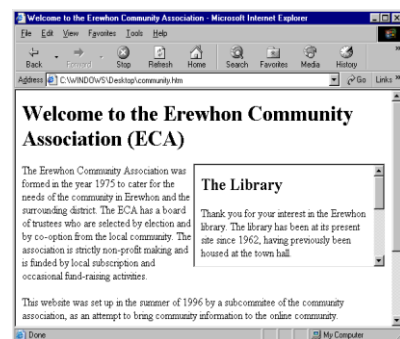
Songs from "Les
Miserables"

Song	Singer
I dreamed a dream	Fantine
Bring him home	Valjean

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The <iframe> Tag

- HTML4 element
 - Originally introduced by Microsoft and supported in IE3+
 - Now also supported in most browsers
- Allows for "Free Floating" frame on a page
 - Can specify the size of the frame



```
<iframe id="content_frame" style="float:right;"
src="library.htm"></iframe>
```

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Hyperlinks and iFrames

- Give the iframe a NAME (for backwards compatibility) and an ID attribute

```
<iframe name="content_frame" id="content_frame" src="library.htm"></iframe>
```

- Use TARGET in <a> and <area> tags to open a document in the Iframe

```
<a href="circont.htm" target="content_frame" >...</a>
```

- Or use <base> to set the default target for the doc

```
<base . . . target="content_frame"/><a href="circont.htm">...</a>
```

- Set a TARGET of either _top or _parent on links in documents within the iframe, if you want to take back the whole window

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Summary

- Tables
- iFrames
 - Links within frames

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