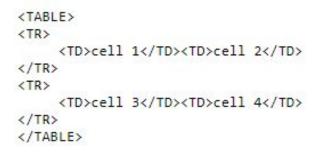
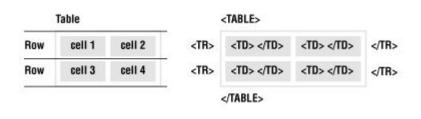
# **HTML Tables**

**FSDI 103** 

#### **Basic Structure**

tables are made up cells, arranged into rows. The bare minimum tags for describing a table are , , and .





### **Table headings**

The tag defines a header cell in an HTML table.

An HTML table has two kinds of cells:

Header cells - contains header information (created with the element)
Standard cells - contains data (created with the element)
The text in elements are bold and centered by default.

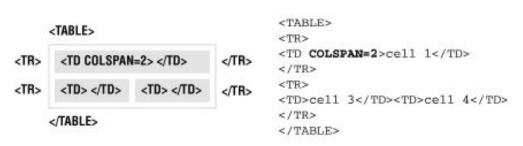
The text in elements are regular and left-aligned by default.

#### **Spanning cells and rows**

Cells in a table can occupy the space of more than one cell in a row or column. This behavior is set within the or tags using the colspan and rowspan attributes.

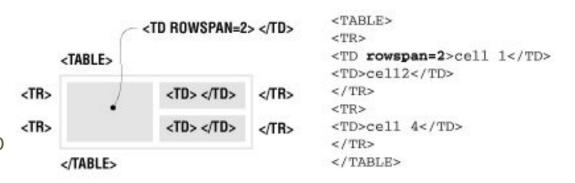
#### Column span

 tells the browser to make "cell 1" occupy the same horizontal space as two cells ("span" over two columns). Note that the row containing th spanned cell now only has one set of tags instead of two.



#### **Row span**

Similar to colspan, the rowspan attribute stretches a cell to occupy the space of cells in rows below. Include the rowspan attribute in the row where you want the cell to begin and set its value equal to the number of rows you want it to span.



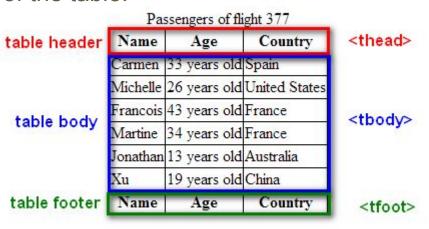
#### **Long tables**

If your table is fairly big, it's best to divide it into several parts:

- the header (at the top): is defined with the tags <thead></thead>;
- the body (in the center): is defined with the tags ;
- the table footer (at the bottom):
   is defined with the tags

   <tfoot></tfoot>.

What should you put in the table footer? If it's a long table, you'll usually copy the header cells. This allows you to see what each column refers to, even at the bottom of the table.



#### Width and spacing

The width attribute specifies the width of a table.

Month	Savings		
January	\$100		
February	\$80		

If the width attribute is not set, a table takes up the space it needs to display the table data.

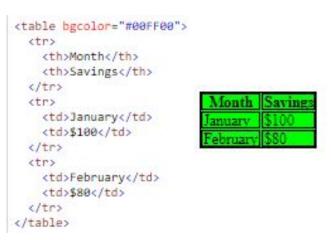
Value	Description
pixels	Sets the width in pixels (example: width="50")
%	Sets the width in percent of the surrounding element (example: width="50%")

#### **Borders and background**

The bgcolor attribute of is not supported in HTML5. Use CSS instead.

CSS example syntax:

Value	Description	
color_name	Specifies the background color with a color name (like "red")	
hex_number	Specifies the background color with a hex code (like "#ff0000")	
rgb_number	Specifies the background color with an rgb code (like "rgb(255,0,0)")	



#### HTML5

## **Table properties in CSS**

Border	The example below specifies a black border for , , and  elements:	table, th, td {    border: 1px solid black; }	Firstname Lastname Peter Griffin Lois Griffin	
Width and Height	The example below sets the width of the table to 100%, and the height of the  elements to 50px	<pre>table {     width: 100%; }  th {     height: 50px; }</pre>	Firstname Lastname Pater Gorffin Loss Gorffin Loss Founces	Savings \$100 \$150 \$300
Horizontal Alignment	The text-align property sets the horizontal alignment (like left, right, or center) of the content in  or .	<pre>th {    text-align: left; }</pre>	Firstname Lastname Peter Griffin Lois Griffin Joe Swanson	\$100 \$150 \$300
Vertical Alignment	The vertical-align property sets the vertical alignment (like top, bottom, or middle) of the content in  or .	<pre>th, td {    padding: 15px;    text-align: left; }</pre>	Firstname Lastname  Peter Griffin  Lois Griffin  Joe Swanson	\$100 \$150 \$300

## **Table properties in CSS**

Hover-able	Use the :hover selector on  to highlight table rows on mouse over:	tr:hover {background-color: #f5f5f5;}
Color	The background color and text color of  elements:	<pre>th {    background-color: #4CAF50;    color: white; }</pre>

#### **Empty Cells**

The empty-cells property has two primary values:

show: display a border and background on an empty cell.

hide: does not display a border or background on an empty cell.

A good use case for empty-cells could be a situation where you may not know whether a table will or will not contain empty data points and you decide to hide them.

## **Empty Cells**

```
.table-show {
   empty-cells: show;
}
.table-hide {
   empty-cells: hide;
}
```

