college CDI

Web design and development 1 (CW1)

Class 4

Tables

Used for a long time to create composition grids, to organize contents layout, tables are now just used to create... tables. For instace, to reproduce a Excel spreadsheet.

Table's structure

A table is created using **<table> </table>**. qIt will then be divided into rows **<tr> </tr>** (table row), and the rows would be divided using **<td> </td>** (table division).

Dans l'exemple ci-dessous (voir le code ci-contre), un tableau de deux rangées contenant chacune deux cellules a été créé.

Table tags attributes

border
Using a number, it defines the border's width (in pixels).

width / height
Using a number, it defines the height and the width (in pixels).

cellpadding
Placed into **<table>**, it defines the internal margin of the **<td>** tags.

cellspacing
Placed into **<table>**, it defines the distance between the **<td>** divisions.

bgcolor
Defines the background color of the element it is applied to.

background
Defines the background image of the element it is placed into.

rowspan
Spans a division vertically (over rows). The number used defines the number of rows to be spanned.

colspan
Spans a division horizontally (over columns). The number used defines the number of columns to be spanned.

```
<table>
    <tr>
            <td>Content 1</td>
            <td>Content 2</td>
    </tr>
    <tr>
            <td>Content 3</td>
            <td>Content 4</td>
    </tr>
</table>
```

| Content 1 | Content 2 |
| Content 3 | Content 4 |

rowspan="2"

colspan="2"

Styling tables with CSS

Les bordures

CSS border may be used with any selector, but it is especially useful when it comes to tables.

border-style
dotted, dashed, solid, double, groove, ridge, inset, outset, none, hidden

border-width
Uses specific measurements (px, in, mm, em, etc.) or predefined styles (thin, medium, thick).

border-color
Uses color name, hex code, or rgb mixes.

border-radius
Defines rounded corners of a specific radius. Using 50% as a value would make the container appear as round.
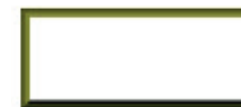
Ridge

Dotted

Inset

Double

Outset

Groove

Dashed

Solid

Controlling borders individually

It is possible to define the style of each container's side's border individually using specific properties or shortcuts :

Example :
border-left-color: green;
border-right-width: 10px;
border-top-style: dashed;

```
div {
    border-style: solid;
    border-width: 5px 15px 10px 1px;
    border-color: red;
    border-radius: 15px;
}
```

Les bordures du tableau seulement

To only show the lines into the bable without the crossing lines, applie borders only to <table>. To show all the lines, apply the to both <table> and <td> using a comma.

```
table,
td {
    border-style: solid;
    border-width: 1px;
    border-color: black;
}
```

Styling tables with CSS

table-layout

> **auto (default**
> Table's dimensions are adjusted according to its content.

> **fixed**
> Dimensions are fixed whatever the size of the contents.

width and height
> Can be applied to any selector.

border-collapse: collapse
> Transfroms usual html border style into solid style (noshade, in HTML).

padding
> Defines internal margin.

text-align
> Defines horizontal alignment.
> (left, center, right, justify)

vertical-align
> Defines vertical alignment.
> (top, middle, bottom)

:nth-child()
> Defines alternate background color for all pair rows. For instance, lines 1, 3, 5 could be blue and line 2,4,6 would be red (values : even, uneven or a number).

```css
table {
    table-layout: auto;
    width: 500px;
    height: 300px;
    border-collapse: collapse;
    padding: 5px;
    text-align: center;
    vertical-align: center;
    bgcolor: white;
}




tr:nth-child(even) {
    background-color: #f2f2f2;
}
```

Film Title	Released	Studio	Worldwide Gross	Domestic Gross	Foreign Gross	Budget
Frozen	2013	Disney	$1,287,000,000	$400,738,009	$875,742,326	$150,000,000
Minions	2015	Universal	$1,159,398,397	$336,045,770	$823,352,627	$74,000,000
Toy Story 3	2010	Disney Pixar	$1,066,969,703	$415,004,880	$651,964,823	$200,000,000
Zootopia	2016	Disney	$1,023,227,498	$341,268,248	$681,959,250	$150,000,000
Despicable Me 2	2013	Universal	$970,761,885	$368,061,265	$602,700,620	$76,000,000
The Lion King	1994	Disney	$987,483,777	$422,783,777	$564,700,000	$45,000,000
Finding Nemo	2003	Pixar	$936,743,261	$380,843,261	$555,900,000	$94,000,000
Shrek 2	2004	Dreamworks	$919,838,758	$441,226,247	$478,612,511	$150,000,000