# **Tables**



# Agenda

- Tables in HTML
- Styling Tables with CSS



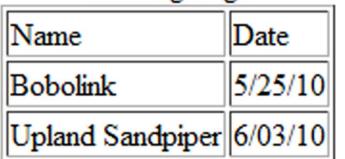
### **HTML** Table

- Tables are used on web pages to organize tabular information
  - Composed of rows and columns similar to a spreadsheet
- Contains the table
- Contains a table row

images, lists, etc.

Contains the data for a table cell.
 Are containers and can contain all sorts of HTML elements like text,

<caption>
 Configures a description of the table



Bird Sightings



# HTML Table Example

```
<caption>Students</caption>
 Casper
   Andersen
   20103276
 >
   Benjamin
   Blankholm
   201206087
 >
   Jens
   Brendstrup
   201270480
```

Use css!

Casper	Andersen	20103276
Benjamin	Blankholm	201206087
Jens	Brendstrup	201270480



### HTML Table -

```
<caption>Students</caption>
 Name
   Family name
   Id
 Casper
   Andersen
   20103276
 Benjamin
   Blankholm
   201206087
```

Name	Family name	Id
Casper	Andersen	20103276
Benjamin	Blankholm	201206087
Jens	Brendstrup	201270480



### HTML Common Table Cell Attributes

- colspan
- rowspan

Use CSS to configure most table cell characteristics instead of HTML attributes



## HTML colspan Attribute

```
<caption>Students</caption>
 Name
   Id
 Casper
   Andersen
   20103276
 Benjamin
   Blankholm
   201206087
```

Name		Id
Casper	Andersen	20103276
Benjamin	Blankholm	201206087
Jens	Brendstrup	201270480



# Accessibility and Tables

- Use table header elements ( tags) to indicate column or row headings
- Use the caption element to provide a text title or caption for the table
- Complex tables:

Associate table cell values with their corresponding headers

- tag id attribute
- tag headers attribute



# Table Accessibility Example

```
<caption>Students</caption>
 >
  Name
  Family name
  Id
 Casper
  Andersen
  20103276
 >
  Benjamin
  Blankholm
  201206087
```



# STYLING TABLES WITH CSS



# Using CSS to Style a Table

HTML Attribute	CSS Property
align	Align a table: table { width: 75%; margin: auto; }
	Align within a table cell: text-align
bgcolor	background-color
cellpadding	padding
cellspacing	border-spacing or border-collapse
height	height
valign	vertical-align
width	width
border	border, border-style, border-spacing and border-collapse
 :	background-image



# Simple Style Example

```
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
}
```

#### Students

Name	Family name	Id
Casper	Andersen	20103276
Benjamin	Blankholm	201206087
Jens	Brendstrup	201270480

```
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
}
th, td {
    padding: 5px;
}
th {
    text-align: left;
}
```

Name	Family name	Id
Casper	Andersen	20103276
Benjamin	Blankholm	201206087
Jens	Brendstrup	201270480

### **CSS Structural Pseudo-classes**

Pseudo-class	Purpose
:first-of-type	Applies to the first element of the specified type
:first-child	Applies to the first child of an element (CSS2 selector)
:last-of-type	Applies to the last element of the specified type
:last-child	Applies to the last child of an element
:nth-of-type(n)	Applies to the "nth" element of the specified type Values: a number, odd, or even

## Zebra Stripe a Table

tr:nth-of-type(even) { background-color: #eaeaea; }



## **Table Row Groups**

### **Time Sheet**

Day	Hours
Monday	4
Tuesday	8
Wednesday	8
Thursday	5
Friday	3
Total	28

```
 <caption>Time Sheet</caption>
<thead>
 Day
  Hours
 </thead>
Monday
  4
 <tfoot>
 Total
  18
 </tfoot>
```

## Table Row Groups - CSS

### **Time Sheet**

Day	Hours
Monday	4
Tuesday	8
Wednesday	8
Thursday	5
Friday	3
Total	28

```
th {
    text-align: left;
table caption {
    font-weight: bold;
    font-size: larger;
}
table thead tr {
    background-color: #0026ff;
    font-size: larger;
table tfoot tr {
    background-color: #0026ff;
    font-size: larger;
    font-weight: bold;
table tr:nth-of-type(even) {
    background-color: #d4d9f3;
```