

HoGent

BEDRIJF
EN
ORGANISATIE

Webapplicaties 1

Tabellen

Tabellen

- ▶ Tabellen worden gebruikt om gegevens in tabelvorm (vergelijkbaar met een spreadsheet) weer te geven.
- ▶ Voorbeelden:



A screenshot of a football match results table. The header is 'JPL | SPEELDAG 8'. The table lists eight matches with the home team, score, and away team.

JPL SPEELDAG 8		
Racing Genk	3-1	KV Mechelen
Oostende	1-0	Kortrijk
Westerlo	0-3	STVV
OH Leuven	2-3	Zulte Waregem
Lokeren	1-2	Moeskroen-Péruwelz
AA Gent	4-1	Standard
Charleroi	1-1	Anderlecht
Club Brugge	5-1	Waasland-Beveren

EUROPE

Symb	Index	Time	Last	Chg	Chg %
.FTSE	FTSE 100 Index	18 Sep 2015	6,104.11	-82.88	-1.34%
.GDAXI	DAX Index	18 Sep 2015	9,916.16	--	--%
.FCHI	CAC 40 Index	18 Sep 2015	4,535.85	--	--%
.TRXFLDEUPU	Thomson Reuters Equity Europe Index	20 Sep 2015	139.91	--	--%

Voorbeeld

Design and Front-End Development Books

ITEM	IN STOCK	QTY	PRICE
Don't Make Me Think by Steve Krug	In Stock	1	\$30.02
A Project Guide to UX Design by Russ Unger & Carolyn Chandler	In Stock	2	\$52.94 \$26.47 × 2
Introducing HTML5 by Bruce Lawson & Remy Sharp	Out of Stock	1	\$22.23
Bulletproof Web Design by Dan Cederholm	In Stock	1	\$30.17
Subtotal			\$135.36
Tax			\$13.54
Total			\$148.90

HTML - Tabellen

- ▶ Een tabel is een rechthoekig raster van rijen en kolommen. Waar kolommen en rijen elkaar kruisen krijgt men **cellen**. Elke cel kan informatie bevatten: tekst, getallen, koppelingen, afbeeldingen, ...

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Diagram illustrating the structure of the table:

- hoofding (Header) points to the first row.
- rijen (Rows) points to the four data rows.
- Data cel (Data cell) points to the first cell of the first data row.
- kolommen (Columns) points to the four columns.

HTML - Tabellen

- ▶ In HTML declareert men eerst de tabel met de `<table>`-tag
- ▶ Tussen begin- en eindtag komt alle data die in de tabel staat

```
<table>
```

```
</table>
```

HTML – Rijen

- ▶ Vervolgens declareert men de rijen met de **<tr>** tag (**table row**)
- ▶ Tabellen worden rij per rij opgebouwd, binnen een rij cel per cel

```
<table>  
  <tr>  
  </tr>  
  <tr>  
  </tr>  
</table>
```

HTML – Cellen

- ▶ Binnen rijen komen de cellen
 - Cellen binnen een hoofding schrijf je met een **<th>** tag
 - Cellen met data schrijf je met een **<td>** tag

```
<table>
  <tr>
    <th>Hoofdingcel 1</th>
    <th>Hoofdingcel 2</th>
  </tr>
  <tr>
    <td>Cel 1</td>
    <td>Cel 2</td>
  </tr>
</table>
```

HTML – Rijen en cellen

```
<table>
  <tr>
    <th>Item</th>
    <th>Availability</th>
    <th>Qty</th>
    <th>Price</th>
  </tr>
  <tr>
    <td>Don't Make Me Think  
by Steve Krug</td>
    <td>In Stock</td>
    <td>1</td>
    <td>$30.02</td>
  </tr>
  <tr>
    <td>A Project Guide to UX Design  
by Russ Unger & Carolyn Chandler</td>
    <td>In Stock</td>
    <td>2</td>
    <td>$52.94 ($26.47 × 2)</td>
  </tr>
  <tr>
    ...
  </tr>
  <tr>
    ...
  </tr>
</table>
```

Merk op : elke tr tag bevat 4 cellen.

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HTML – Rijen en cellen

► Kenmerken

- Binnen elke cel loopt tekst automatisch door naar de volgende regel als de tekst te lang wordt binnen de cel.
- De meeste tags zoals ``, ``, `<hr>`, ``, `<a>`, enz... kan je gebruiken binnen een cel.
- Standaardopmaak:
 - `<th>`: hoofding voor rij en kolom: inhoud staat standaard gecentreerd en vetjes
 - `<td>`: gewone cellen: inhoud staat links gealigneerd
- Binnen een cel kan je een nieuwe tabel beginnen: geneste tabellen

Opmaak - Randen

- ▶ Rand rond tabel en cellen
 - `table, th, td { border: 1px solid black; }`

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- ▶ Probleem: dubbele rand. Oplossing: collapsing border
 - `table { border-collapse: collapse; }`

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- ▶ Witruimte : padding

Opmaak - Randen

► Voorbeeld 1 :

```
body {  
    font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;  
}  
  
table {  
    border-collapse: collapse;  
    font-size: 14px;  
}  
  
table,  
th,  
td {  
    border: 1px solid black;  
}
```

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Opmaak - Randen

- ▶ Voorbeeld 2 : enkel onderrand en witruimte

```
table {  
    border-collapse: collapse;  
    font-size: 14px;  
}  
  
table,  
th,  
td {  
    border-bottom: 1px solid #cecfcd;  
    padding: 10px 15px;  
}
```

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HTML - Cellen samenvoegen - colspan

- ▶ Een cel kan uitgespreid worden over meer dan 1 kolom, gebruik hiervoor het attribuut **colspan**
- ▶ Browser

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- ▶ HTML

```
<tr>  
  <td colspan="3">Subtotal</td>  
  <td>$135.36</td>  
</tr>  
<tr>  
  <td colspan="3">Tax</td>  
  <td>$13.54</td>  
</tr>  
<tr>  
  <td colspan="3">Total</td>  
  <td>$148.90</td>  
</tr>
```

2 td tags
minder.
Eerste cel
neemt 3
kolommen in

HTML - Cellen samenvoegen - colspan

- ▶ Toegepast op de tabel stockbeheer

```
<table>
  <tr> ... </tr>
  <tr> ... </tr>
  <tr> ... </tr>
  <tr> ... </tr>
  <tr> ... </tr>
  <tr>
    <td colspan="3">Subtotal</td>
    <td>$135.36</td>
  </tr>
  <tr>
    <td colspan="3">Tax</td>
    <td>$13.54</td>
  </tr>
  <tr>
    <td colspan="3">Total</td>
    <td>$148.90</td>
  </tr>
</table>
```

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HTML - Cellen samenvoegen - rowspan

- ▶ Een cel kan uitgespreid worden over meer dan 1 rij
- ▶ Gebruik hiervoor het attribuut **rowspan**
- ▶ Browser

Item	Availability	Qty	Price
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▶ HTML

```
<tr>
  <td>Don't Make Me Think
    <br>by Steve Krug</td>
  <td rowspan="2">In Stock</td>
  <td>1</td>
  <td>$30.02</td>
</tr>
<tr>
  <td>A Project Guide to UX Design
    <br>by Russ Unger & Carolyn Chandler</td>
  <td>2</td>
  <td>$52.94 ($26.47 × 2)</td>
</tr>
<tr> ... </tr>
```

1 td tag
minder. Grote
cel op vorige
rij neemt
plaats in

HTML – Structuur tabel

- ▶ Vaak kan men in tabellen volgende items onderscheiden:
 - header
 - body
 - footer
- ▶ In HTML kan men deze met de volgende tags omsluiten:
 - <thead>
 - <tbody>
 - <tfoot>
- ▶ In feite is dit een logische indeling van de tabel.
Dit is nuttig voor screen readers en voor de opmaak in CSS.

HTML – Structuur tabel

► Browser

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HTML

```
<table>
  <thead>
    <tr>
      <th>Item</th>
      <th>Availability</th>
      <th>Qty</th>
      <th>Price</th>
    </tr>
  </thead>
  <tbody>
    <tr> ... </tr>
    <tr> ... </tr>
    <tr> ... </tr>
    <tr> ... </tr>
  </tbody>
  <tfoot>
    <tr>
      <td colspan="3">Subtotal</td>
      <td>$135.36</td>
    </tr>
    <tr> ... </tr>
    <tr> ... </tr>
  </tfoot>
</table>
```

HTML - Bijschrift

- ▶ **<caption>**-tag (net na het <table>-element)
 - Bijschrift
 - Wordt standaard getoond boven de tabel → dit kan je wijzigen in css : caption-side property

```
<table>
  <caption>Design and Front-End Development Books</caption>
  <thead> ... </thead>
  <tbody> ... </tbody>
  <tfoot> ... </tfoot>
</table>
```

```
caption {
  caption-side: bottom;
}
```

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Opmaak - colgroup

- ▶ Met behulp van de **colgroup**-tag kan je 1 of meer kolommen uit de tabel specificeren, zodat alle cellen binnen deze kolommen dezelfde opmaak kunnen krijgen.
- ▶ **Opgelet:** werkt enkel met *border*, *background*, *visibility* en *width properties*!

```
<table>
  <caption>Design and Front-End Development Books</caption>
  <colgroup>
    <col span="3">
    <col class="last">|
  </colgroup>
  <thead> ... </thead>
  <tbody> ... </tbody>
  <tfoot> ... </tfoot>
</table>
```

```
.last {
  background-color: #cecf5;
}
```

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Accessibility

- ▶ Aanduiden van de th
 - scope="col" : th hoort bij een kolom
 - scope="row": th hoort bij een rij

```
<thead>
  <tr>
    <th scope="col">Item</th>
    <th scope="col">In stock</th>
    <th scope="col">Qty</th>
    <th scope="col">Price</th>
  </tr>
</thead>
```

Voorbeeld

STYLES
CONFERENCE

August 24-26th – Chicago, IL

HOME SPEAKERS SCHEDULE VENUE REGISTER

Schedule

The conference opens with amazing workshops and continues with two days of incredible talks and keynotes, all of which are facilitated by industry-leading experts.

Workshops

August 24th

8:30 AM

Registration

9:00 AM

Adam Connor
Lights! Camera! Interaction! Design Inspiration
from Filmmakers

Jennifer Jones
What Designers Can Learn from Parenting

12:30 PM

Lunch

2:00 PM

Tessa Harmon
Crafty Coding: Generating Knitting Patterns

Russ Unger
From Muppets to Mastery: Core UX Principles
from Mr. Jim Henson

Conference

August 25th

8:30 AM

Registration