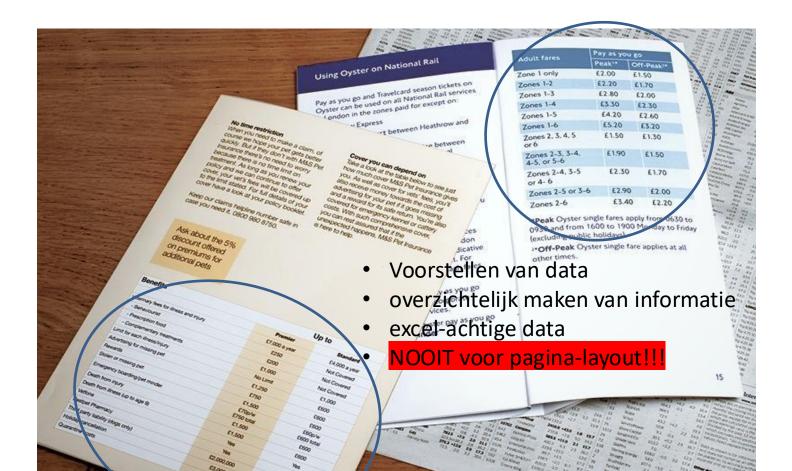
# Web Essentials

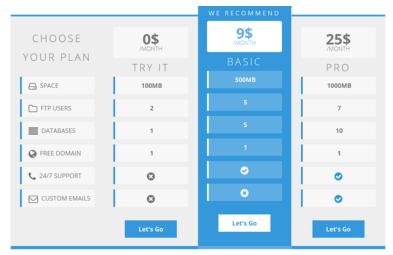




# WAT IS EEN TABEL?



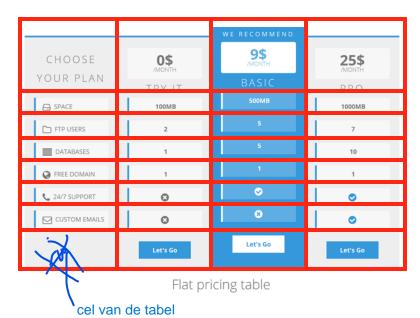
# 



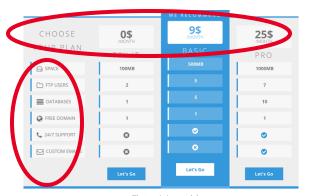
Flat pricing table

Source: Monday Flight on Envato

# - -



# (ipv td)

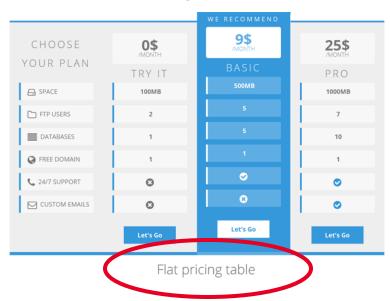


Flat pricing table

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico
Ernst Handel	Roland Mendel	Austria
Island Trading	Helen Bennett	UK
Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada
Magazzini Alimentari Riuniti	Giovanni Rovelli	Italy

# TABEL BIJSCHRIFT

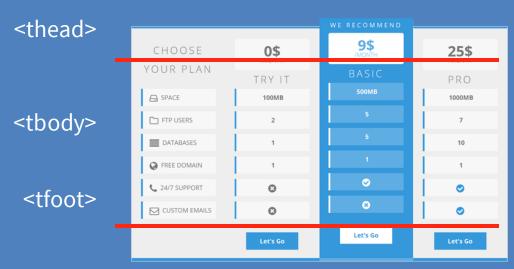
# <caption>



# BASIS TABEL STRUCTUUR

```
15
 15
        15 15 30
 30
45 60 45
45
 60
 90
```

# <thead>, , <tfoot>



Flat pricing table

# TABEL SECTIES

```
<thead>
 Date
  Income
  Expenditure
 </thead>
...
<tfoot>...</tfoot>
```

Date	Income	Expenditure
1st January	250	36
2nd January	285	48
<b>3rd January</b>	260	42
4th January	290	38
5th January	310	115
6th January	168	14
7th January	226	20
8th January	253	37
9th January	294	33
10th January	216	46
11th January	244	29
12th January	297	32
13th January	328	86
14th January	215	38
15th January	254	30
16th January	256	27
17th January	311	68
18th January	212	39
19th January	234	36
20th January	221	43
21st January	259	38
22nd January	246	31
23rd January	248	17
24th January	229	45
25th January	263	34
26th January	258	41
27th January	283	22
28th January	256	30
29th January	278	47
30th January	251	15
31st January	129	64
	7824	1241

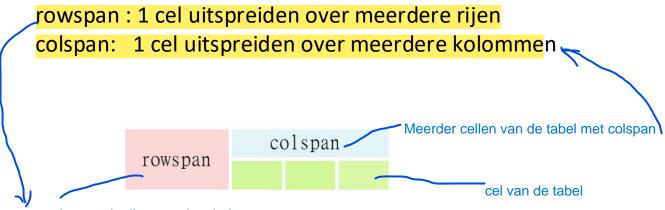
# TABEL HEADINGS & SCOPES

```
Saturday
 Sunday
Tickets sold
 120
 135
Saturday Sunday
            Tickets sold: 120
                 135
```

# CELLEN SAMENVOEGEN

# rowspan, colspan

elke rij en elke kolom moeten respectievelijk evenveel cellen bevatten



meerder van de rijen van de tabel met rowspan

# MEERDERE KOLOMMEN

	9am	10am	11am	12am
Monday	Geography		Math	Art

# MEERDERE RIJEN

<th>6pm - 7pm</th>Movie Comedy News  $\langle tr \rangle$ <th>7pm - 8pm</th> Sport Current Affairs 

6pm - 7pm	Movie	Comedy	News
7pm - 8pm		Sport	Current Affairs



# CSS ALGEMEEN

```
CSS
  body {
    font-family: Arial, Verdana, sans-serif;
    color: #111111:}
  table {
    width: 600px;}
  th. td {
    padding: 7px 10px 10px 10px;}
  th {
    text-transform: uppercase;
    letter-spacing: 0.1em;
    font-size: 90%:
    border-bottom: 2px solid #111111;
    border-top: 1px solid #999;
    text-align: left:}
  tr.even {
    background-color: #efefef;}
  tr:hover {
    background-color: #c3e6e5;}
  .money {
    text-align: right;}
```

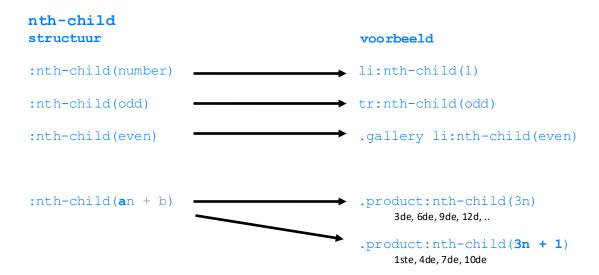
#### **First Edition Auctions**

AUTHOR	TITLE	RESERVE PRICE	CURRENT BID
E.E. Cummings	Tulips & Chimneys	\$2,000.00	\$2,642.50
Charles d'Orleans	Poemes		\$5,866.00
T.S. Eliot	Poems 1909 - 1925	\$1,250.00	\$8,499.35
Sylvia Plath	The Colossus		\$1031.72

#### Dit kan ook handiger:

```
tr:nth-of-type(even) {
...
}
```

# nth-child() & nth-of-type()



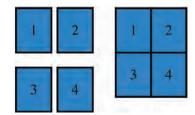
#### :nth-of-type

Werkt op dezelfde manier maar houdt ook rekening met welke html-element het is

# RUIMTE TUSSEN CELLEN

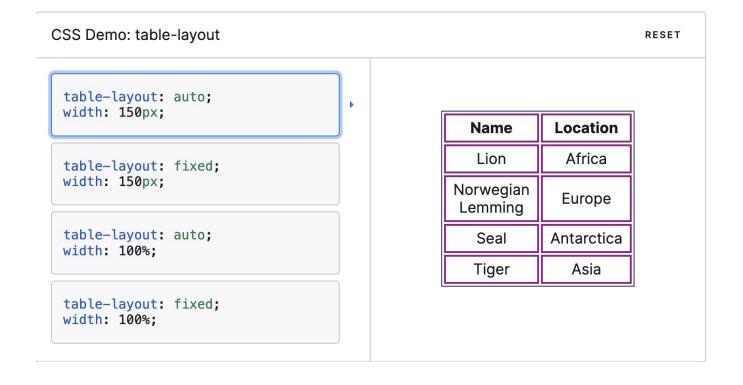
```
HTML
                         chapter-14/gaps-between-cells.html
    (tr)
        \langle td \rangle 1 \langle /td \rangle
        2
     (tr)
       3
       \langle td \rangle 4 \langle /td \rangle
     CSS
   td {
     background-color: #0088dd;
     padding: 15px;
     border: 2px solid #000000;}
   table.one {
     border-spacing: 5px 15px;}
    table.two {
     border-collapse: collapse;}
```

border-spacing
border-collapse



# RUIMTE TUSSEN CELLEN

### →table-layout: fixed;



# TABEL BIJSCHRIFT

# caption-side: top | bottom.

Openingsuren Postkantoor

	OPENINGSUREN			
Maandag	10-12 14-16			
Dinsdag	gesloten 14-16			
Woensdag	9-18			
Donderdag	gesloten 14-20			
Vrijdag	10-12 gesloten			
Zaterdag	1.00			
zondag	gesloten			

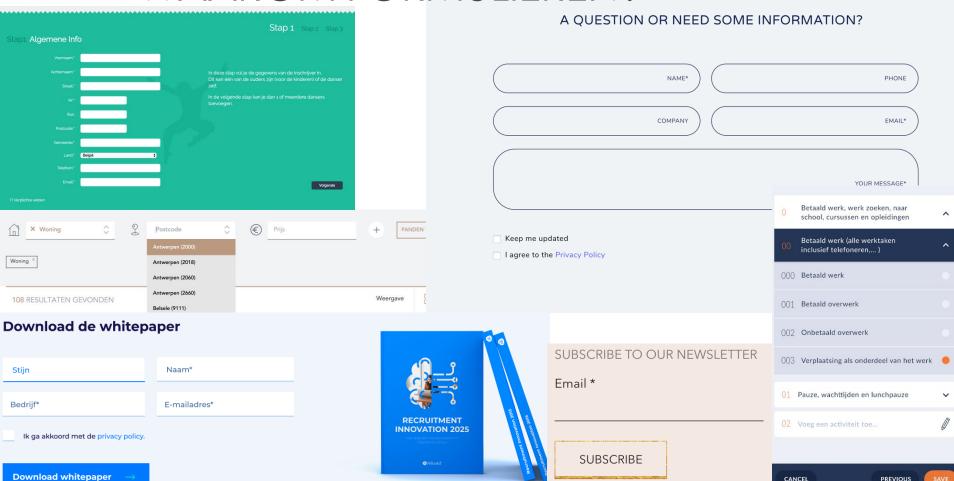
	OPENINGSUREN		
Maandag	10-12 14-16		
Dinsdag	gesloten	14-16	
Woensdag	9-18		
Donderdag	gesloten 14-20		
Vrijdag	10-12	gesloten	
Zaterdag	gesloten		
zondag			

Openingsuren Postkantoor



# WAAROM FORMULIEREN?



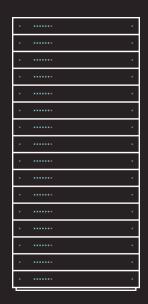




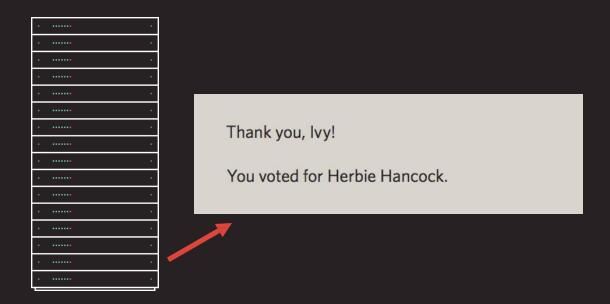
1: User fills in form and presses button to submit info to server

A Section of Control o	R YOUR FAVORITE	JAZZ		· · · · · · · · · · · · · · · · · · ·
Username:	lvy			
Osername.	ıvy			
I vote for:	Ella Fitzgerald			
	<ul><li>Herbie Hancock</li></ul>			
	John Coltrane			
	Miles Davis			
	The second secon		_	
	Thelonius Monk			
		SUBMIT		

2: Name of each form control sent with value user entered

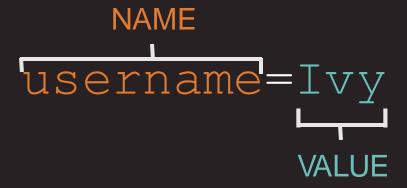


3: Server processes information using programming language



4: Server creates new page to send back to the browser based on info received

# NAAM & WAARDE



# FORMULIER STRUCTUUR

HTML

```
<form
```

```
action="/join.php" method="get">
```

This is where the code for the form needs to be



method: get or post

### TEXT INPUT

HTML

```
<form
action="http://example.com/join.php">
 <label>Username:
<input type="text" name="username"</pre>
        size="15" maxlength="30">
</form>
                         Username:
```

# PASSWORD

```
<label>Username:
                                               HTML
 <input type="text" name="username"</pre>
        size="15" maxlength="30">
</lable>
 < label > Password:
 <input type="password" name="password"</pre>
        size="15" maxlength="30">
<label> 
                             Username: Ivy
                             Password:
```

# SUBMIT BUTTON

HTML

```
<form action="/email.php">
 <label>Subscribe to our email
 list:<br>
       <input type="text" name="email">
 </label>
 <input type="submit"</pre>
          value="Subscribe">
                               Subscribe to our email list:
</form>
                                              Subscribe
```

# RESET BUTTON

**HTML** 

#### <input type="reset"</pre>

value="Maak formulier leeg">

- Gebruik enkel indien strikt noodzakelijk
- Een klik op deze knop zet alle formuliervelden weer op default
- Ziet eruit als een gewone knop/button
- Gebruik CSS om duidelijk het verschil aan te geven met submit-knop

# HTML BUTTON

```
<form action="somepage.php">
                                             HTML
  <button>Click me :) </button>
 <button>
   <img src="images/add.gif" alt="add"</pre>
    width="10" height="20" type="submit>
 </button>
                                            Button
                                             Click me:)
</form>
```

## TEXTAREA

HTML

```
What did you think of this gig?
<textarea name="comments"</pre>
   cols="20" rows="4">
   Enter your comments...
</textarea>
                            What did you think of this gig?
```

Enter your comments...

# GROEPEREN VAN ELEMENTEN

HTML

```
<fieldset>
 <legend>Contact details</legend>
 <label>Email:<br />
 <input type="text" name="email"></label>
 <br />
 <label>Mobile:<br />
 <input type="text" name="mobile"></label>
 <br />
 <label>Telephone:<br />
 <input type="text" name="tel"></label>
</fieldset>
```

Contact details

Email:

Mobile:

Telephone:

# LABELS

**HTML** 

```
<label for="username">Username:</label>
<input id="username" type="text" name="username"</pre>
       size="15" maxlength="30">
of
<label> Username:
 <input id="username" type="text" name="username"</pre>
       size="15" maxlength="30">
</label>
```

#### RADIO BUTTON

HTML

```
Gender:
    <input id="female" type="radio"
        name="gender" value="f">
        <label for="female">Female</label>
        <input id="male" type="radio"
        name="gender" value="m">
        <label for="male">Male</label>
```

Gender: O Female O Male

#### RADIO BUTTONS

```
<fieldset>
  <legend>Your favorite genre:</legend>
                                                                  HTML
<input type="radio" name="genre" value="rock"</pre>
   id ="genre1">
<label for="genre1">Rock</label>
<input type="radio" name="genre" value="pop"</pre>
id ="genre2">
<label for="genre2">Pop</label>
<input type="radio" name="genre" value="jazz"</pre>
id ="genre3">
<label for="genre3">Jazz</label>
</fieldset>

    Your favorite genre-

    Rock ○ Pop ○ Jazz
```

#### CHECKBOX

HTML

```
Your favorite music service: <br />
 <label><input type="checkbox" name="service"</pre>
  value="Tidal"
  checked> Tidal</label>
 <label> <input type="checkbox" name="service"</pre>
  value="Oobuz"> Oobuz</label>
 <label> <input type="checkbox" name="service"</pre>
  value="Spotify"> Spotify</label>
Your favorite music service:
                                            ✓ Tidal □ Qobuz □ Spotify
```

#### SELECT BOX DROPDOWN

HTML

```
<select name="devices">
<option value="Smartphone" selected>
Smartphone
<option value="tablet">Tablet
<option value="gameconsole">Game console</option>
<option value="PC">Desktop Computer</option>
</select>

√ Smartphone

                                               Tablet
                                               Game console
                                               Desktop Computer
```

#### DATALIST

HTML

```
<form action="somepage.php">
  <input list="browsers" name="browser">
  <datalist id="browsers">
    <option value="Microsoft Edge">
    <option value="Firefox">
    <option value="Chrome">
    <option value="Opera">
    <option value="Safari">
  </datalist>
</form>
```

#### **Datalist**

What is your prefered browser?

e ▼

Microsoft Edge

Firefox

Chrome

Opera

#### FILE INPUT BOX

```
HTML
<form action="/upload"</pre>
method="post">
 <label>Upload your song in MP3 format:
  <input type="file" name="user-song">
 </label>
 <input type="submit" value="upload">
</form>
                           File upload
```

Upload your song in MP3 format: Choose file No file chosen

#### HIDDEN FORM CONTROLS

```
<input type="hidden" name="category"
  value="jazz">
```



- info die de gebruiker niet kan/moet invullen maar die wel mee verstuurd moet worden
- voorbeelden
  - user tracking
  - SEA (zoek machine advertenties)
  - automatisch ingevulde velden adhv info uit databank

#### FORMULIER VALIDATIE

```
HTML
<label for="username">Username:</label>
<input type="text" name="username"</pre>
 required>
<input type="submit" value="Submit">
                                Username
                                 Send
                                         Please fill in this
                                         field.
```

#### DATE INPUT

Departure date: dd/mm/yyyy 📋 Submit

## EMAIL & URLINPUT

HTML

- <input type="email" name="email">
- <input type="url" name="website">

Please enter your email address:



Please enter your website address:



## **SEARCH & RANGE INPUT**

HTML

```
<input type="search" name="search"
placeholder="Enter keyword">
```

#### Search field

Thelonious ×

```
<label for="vol">Volume:</label>
<input type="range id="vol" name="vol"
min="0" max="100"> Range field
```

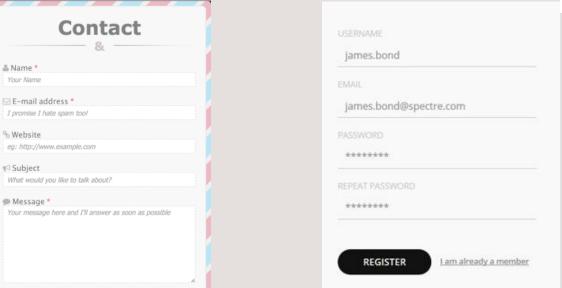
Volume:

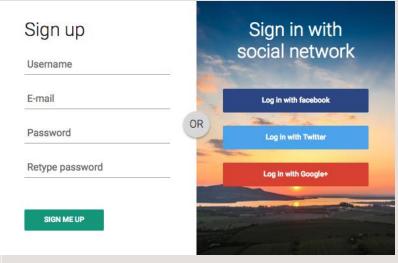
## FIELD ATTRIBUTES

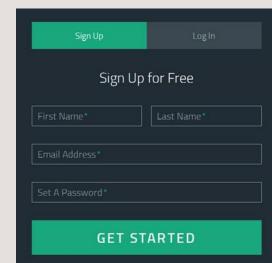
name required
type hidden
value tabindex
id disabled
minlength readonly
maxlength autocomplete
placeholder autofocus



## CSS FOR FORMS







## **CSS ALGEMEEN**

```
CSS
                       chapter-14/styling-text-inputs.html
  input {
    font-size: 120%;
    color: #5a5854;
    background-color: #f2f2f2;
    border: 1px solid #bdbdbd;
    border-radius: 5px;
    padding: 5px 5px 5px 30px;
    background-repeat: no-repeat;
    background-position: 8px 9px;
    display: block;
    margin-bottom: 10px;}
  input:focus {
    background-color: #ffffff;
    border: 1px solid #blele4;}
  input#email {
    background-image: url("images/email.png");}
  input#twitter {
    background-image: url("images/twitter.png");}
  input#web {
    background-image: url("images/web.png");}
```

$\bowtie$			
E			
3			

## CSS ALGEMEEN

```
CSS
             chapter-14/styling-fieldsets-and-legends.html
  fieldset {
    width: 350px;
    border: 1px solid #dcdcdc;
    border-radius: 10px;
    padding: 20px;
    text-align: right;}
  legend {
    background-color: #efefef;
    border: 1px solid #dcdcdc;
    border-radius: 10px;
    padding: 10px 20px;
    text-align: left;
    text-transform: uppercase;}
```

NEWSLETTER	
Name:	
Email:	
	Subscribe

border-radius

## USER INTERACTIE

:hover, :active, :focus, :focus-visible

```
CSS
input {
         padding: 6px 12px 6px 12px;
         border: 1px solid #665544;
         color: #ffffff;}
.btn-submit:hover {
         background-color: #665544;}
         cursor: pointer
.btn-submit:active {
         background-color:
                                           Enter email address...
         chocolate; }
.text-field {
         color: #cccccc;}
.text-field:focus {
         color: #665544;}
```

#### USER INTERACTIE

- :checked
- :required
- :optional
- :valid
- :invalid
- :readonly
- :enabled
- :disabled

- for radio, checkbox & option
- required fields
- optional fields
- valid input
- invalid input
- fields with readonly attribute
- fields without disabled attribute
- fields with disabled attribute

DIT IS OOK BRUIKBAAR ALS CSS PSEUDO-CLASS



# USING HOSTED VIDEO SERVICES

Youtube - Vimeo

#### **ADVANTAGES**

Easy to upload (no encoding required)

Do not pay for bandwidth used

#### **DISADVANTAGES**

Not exclusive to your web site

No ads allowed on some sites

Some insert own ads before content

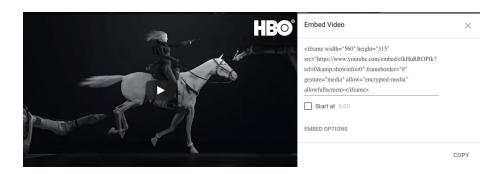
#### **ALTERNATIVE**

Host your own video

HTML < video > element

## YOUTUBE VIDEO

<iframe> aanmaken op
https://youtube.com en insluiten in je
code

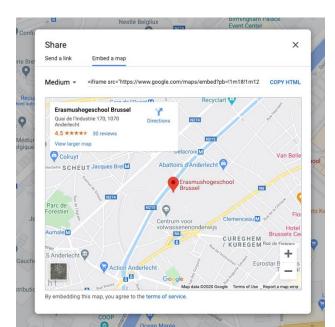


#### **IFRAME**

#### <iframe

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2519.4020374598654!2d4.320619316079 361!3d50.84223897953135!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x47c3c40f19faf0f9%3A0x4 ef5b683135ecb1e!2sErasmushogeschool%20Brussel!5e0!3m2!1sen!2sbe!4v1608036038435!5m2!1sen!2sbe" width="600" height="450" frameborder="0" style="border:0;" allowfullscreen="" aria-hidden="false" tabindex="0">K/iframe>

embed externe html



## ADDING EMBEDED VIDEO

```
<video src="video/puppy.mp4" poster="images/puppy.jpg"
width="400" height="300" preload controls loop>
  </video>
```

#### ADDING HTML5 AUDIO

```
<audio src="audio/test-audio.mp3" controls>
    This browser does not support your audio format.
</audio>
```

mp3 wordt door alle courante browsers ondersteund

