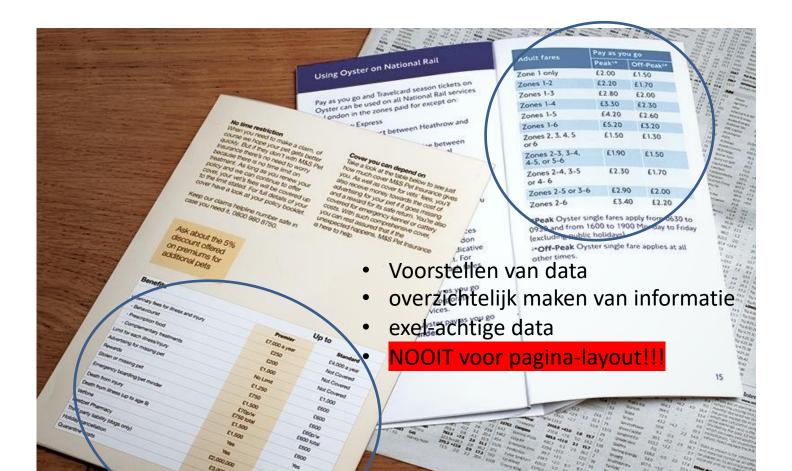
## Web Essentials

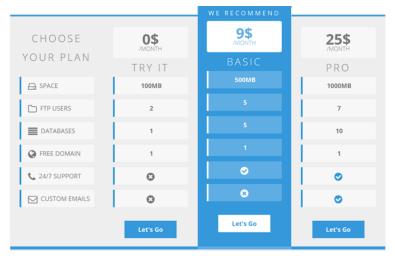




#### WAT IS EEN TABEL?



#### 



Flat pricing table

Source: Monday Flight on Envato

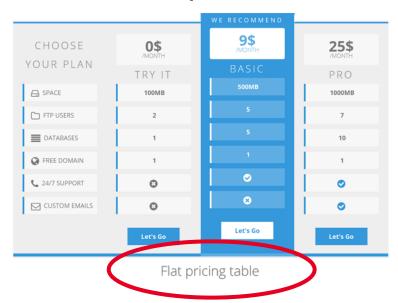
#### - -



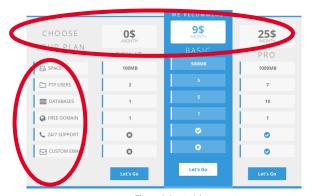
Flat pricing table

#### TABEL BIJSCHRIFT

## <caption>



# (ipv td)



Flat pricing table

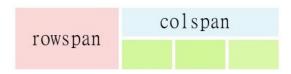
Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico
Ernst Handel	Roland Mendel	Austria
Island Trading	Helen Bennett	UK
Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada
Magazzini Alimentari Riuniti	Giovanni Rovelli	Italy

# BASIS TABEL STRUCTUUR rowspan, colspan

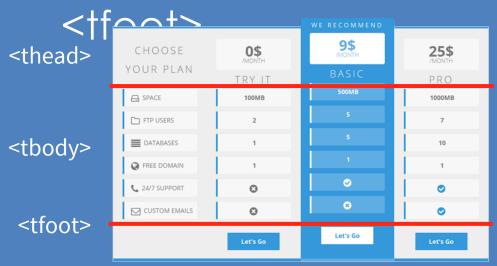
```
elke rij en elke kolom moeten respectievelijk evenveel cellen bevatten
```

rowspan: 1 cel uitspreiden over meerdere rijen

colspan: 1 cel uitspreiden over meerdere kolommen



# <thead>, ,



Flat pricing table

#### BASIS TABEL STRUCTUUR

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

#### TABEL HEADINGS

```
\langle tr \rangle
 Saturday
 Sunday
Tickets sold
 120
 135
Saturday Sunday
Tickets sold: 120
                   135
```

#### SPANNING COLUMNS

```
    Monday
    Monday
    Geography
```

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

#### SPANNING ROWS

<th>6pm - 7pm</th> Movie Comedy News <th>7pm - 8pm</th> Sport Current Affairs 

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

#### TABEL SECTIES

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

Date	Income	Expenditure
1st January	250	36
2nd January	285	48
3rd January	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
<b>30th January</b>	251	15
31st January	129	64
	7824	1241



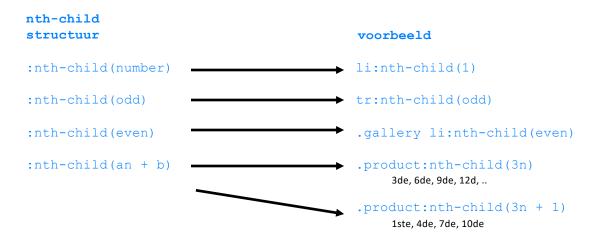
#### **CSS ALGEMEEN**

```
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-t tr:nth-of-type(odd) {
     border-top: ipx soila #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

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



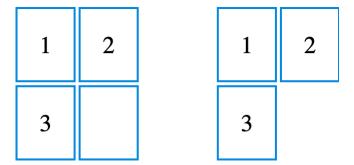
:nth-of-type

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

#### RAND BIJ LEGE CELLEN

```
HTML
chapter-14/empty-cells.html
 \langle td \rangle 1 \langle /td \rangle
     2
   \langle /tr \rangle
   3
     CSS
 td {
   border: 1px solid #0088dd;
   padding: 15px;}
 table.one {
   empty-cells: show;}
 table.two {
   empty-cells: hide;}
```

#### empty-cells

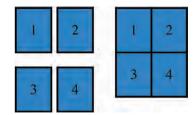


niet van toepassing in combinatie met border-collapse

#### RUIMTE TUSSEN CELLEN

```
HTML
                     chapter-14/gaps-between-cells.html
   \langle td \rangle 1 \langle /td \rangle
      2
    <t.r>
      3
      4
    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



#### 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	gesloten			
zondag				

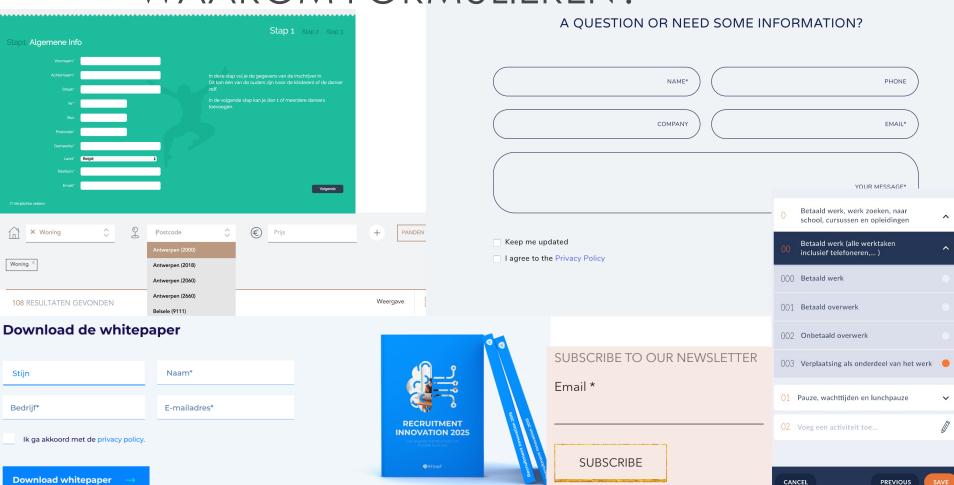
	OPENINGSUREN		
Maandag	10-12 14-16		
Dinsdag	gesloten	14-16	
Woensdag	9-18		
Donderdag	gesloten 14-20		
Vrijdag	10-12 gesloten		
Zaterdag	gesloten		
zondag			

Openingsuren Postkantoor



#### WAAROM FORMULIEREN?



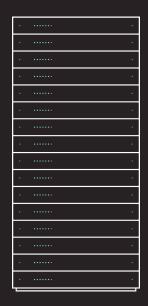




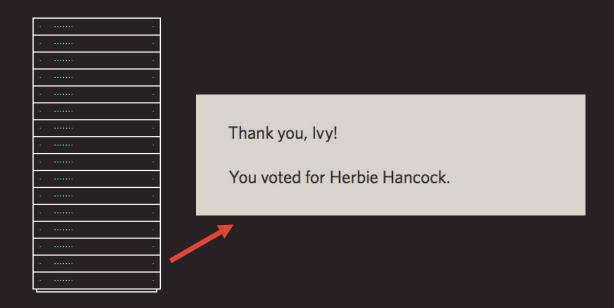
1: User fills in form and presses button to submit info to server

The state of the s	R YOUR FAVORITE	JAZZ		
Username:	lvy			
I vote for:	Ella Fitzgerald			
I vote ioi.				
	<ul><li>Herbie Hancock</li></ul>			
	John Coltrane			
	Miles Davis			
			_	
	Thelonius Monk			
		SUBMIT		

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

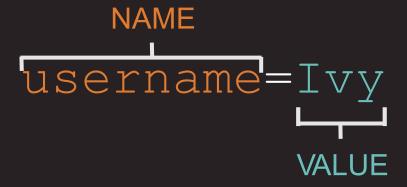


3: Server processes information using programming language



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

</form>

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"
   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"
    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 />
                                               Contact details-
 <label>Telephone:<br />
                                               Email:
 <input type="text" name="tel"></label>
                                               Mobile:
</fieldset>
                                               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 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

```
<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
```

HTML

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:
<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:



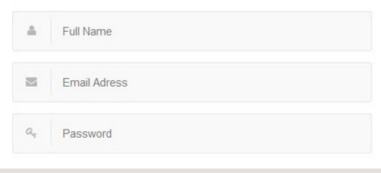
## SEARCH & RANGE INPUT

```
HTML
<input type="search" name="search"</pre>
 placeholder="Enter keyword">
                                         Search field
                                         Thelonious
<label for="vol">Volume:</label>
<input type="range id="vol" name="vol"</pre>
min="0" max="100">
                                        Range field
```

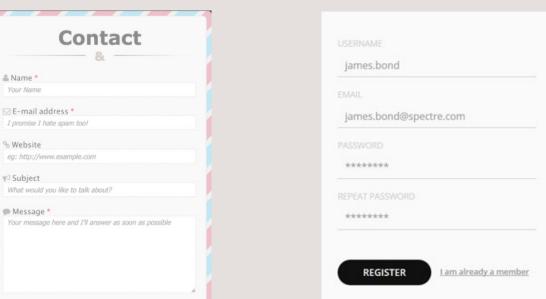
Volume:

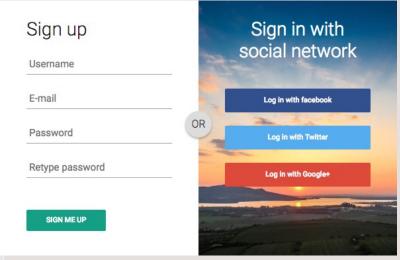
## FIELD ATTRIBUTES

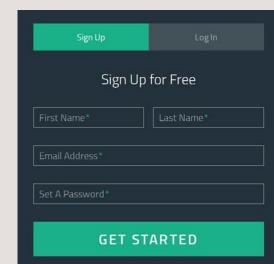
name required
type hidden
value tabindex
id disabled
minlength readonly
maxlength autocomplete
placeholder autofocus



## 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 #b1e1e4;}
  input#email {
    background-image: url("images/email.png");}
  input#twitter {
    background-image: url("images/twitter.png");}
  input#web {
    background-image: url("images/web.png");}
```



## 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

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

**CSS** 

Submit

#### 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



# 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

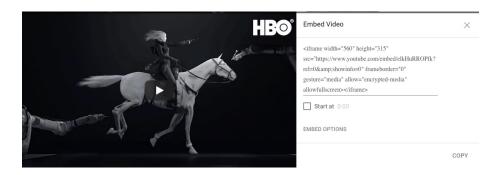
#### **ALTERNATIVE**

Host your own video

HTML <video>

## YOUTUBE VIDEO

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



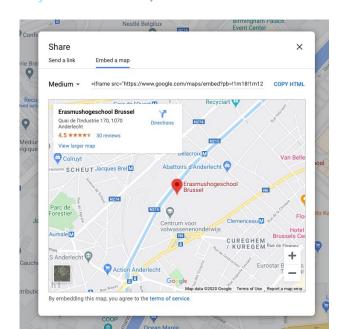
#### **IFRAME**

#### <iframe

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2519.402037459865
4!2d4.320619316079361!3d50.84223897953135!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4
f13.1!3m3!1m2!1s0x47c3c40f19faf0f9%3A0x4ef5b683135ecb1e!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"></iframe>

embed externe html



#### ADDING EMBEDED VIDEO

## ADDING HTML5 AUDIO

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

