



Front-end development

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Front-end development – les 2

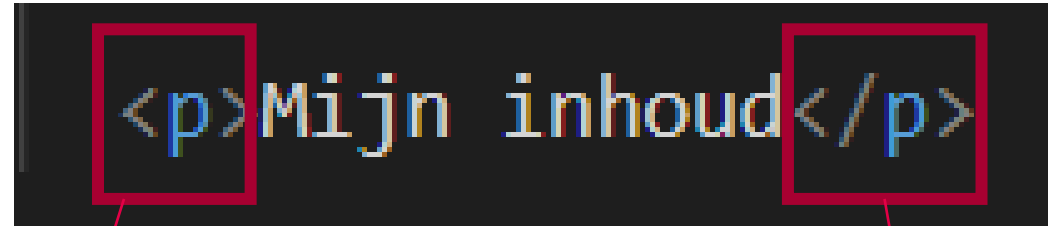
KORTE HERHALING

- HTML: HyperText Markup Language
- Gebruiken van de juiste HTML tag voor de juiste inhoud
- Semantische HTML: elementen met een betekenis

KORTE HERHALING

- Basis html structuur
 - <html>
 - <head> - metadata
 - <body> - inhoud
- <!DOCTYPE html>
- <html lang="en">

HTML-TAG



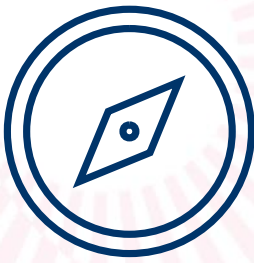
The diagram shows an HTML code snippet `<p>Mijn inhoud</p>` on a dark background. The opening tag `<p>` is enclosed in a red square box, and the closing tag `</p>` is also enclosed in a red square box. A red arrow points from the box around `<p>` down to the text 'Openen van de tag'. Another red arrow points from the box around `</p>` down to the text 'Sluiten van de tag'.

```
<p>Mijn inhoud</p>
```

Openen van de tag

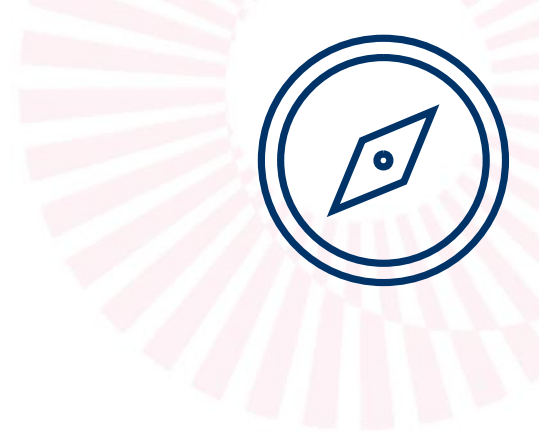
Sluiten van de tag

HTML-TAGS - ATTRIBUTE



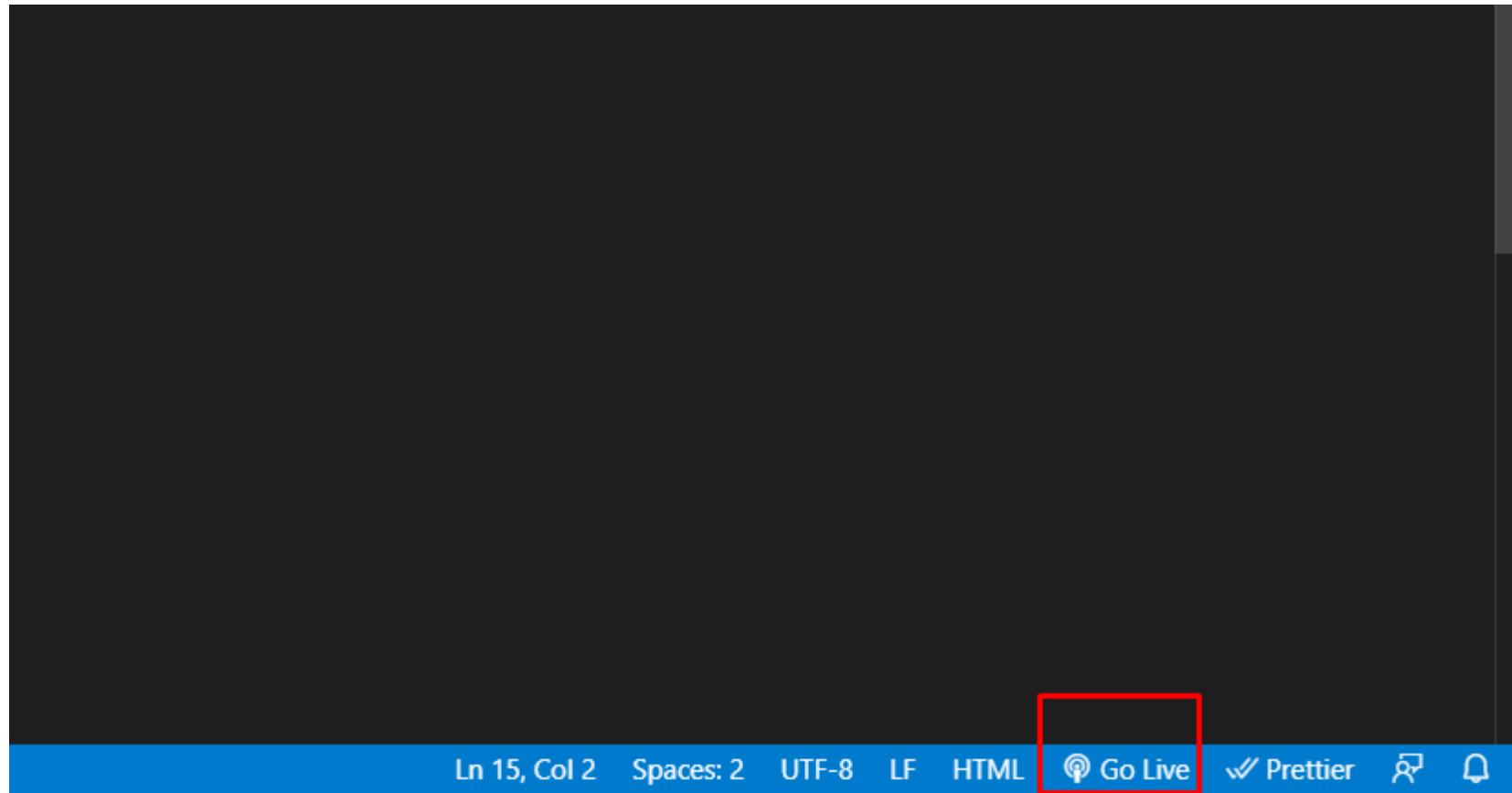
```
<a href="https://www.google.be">Google</a>
```

EMMET



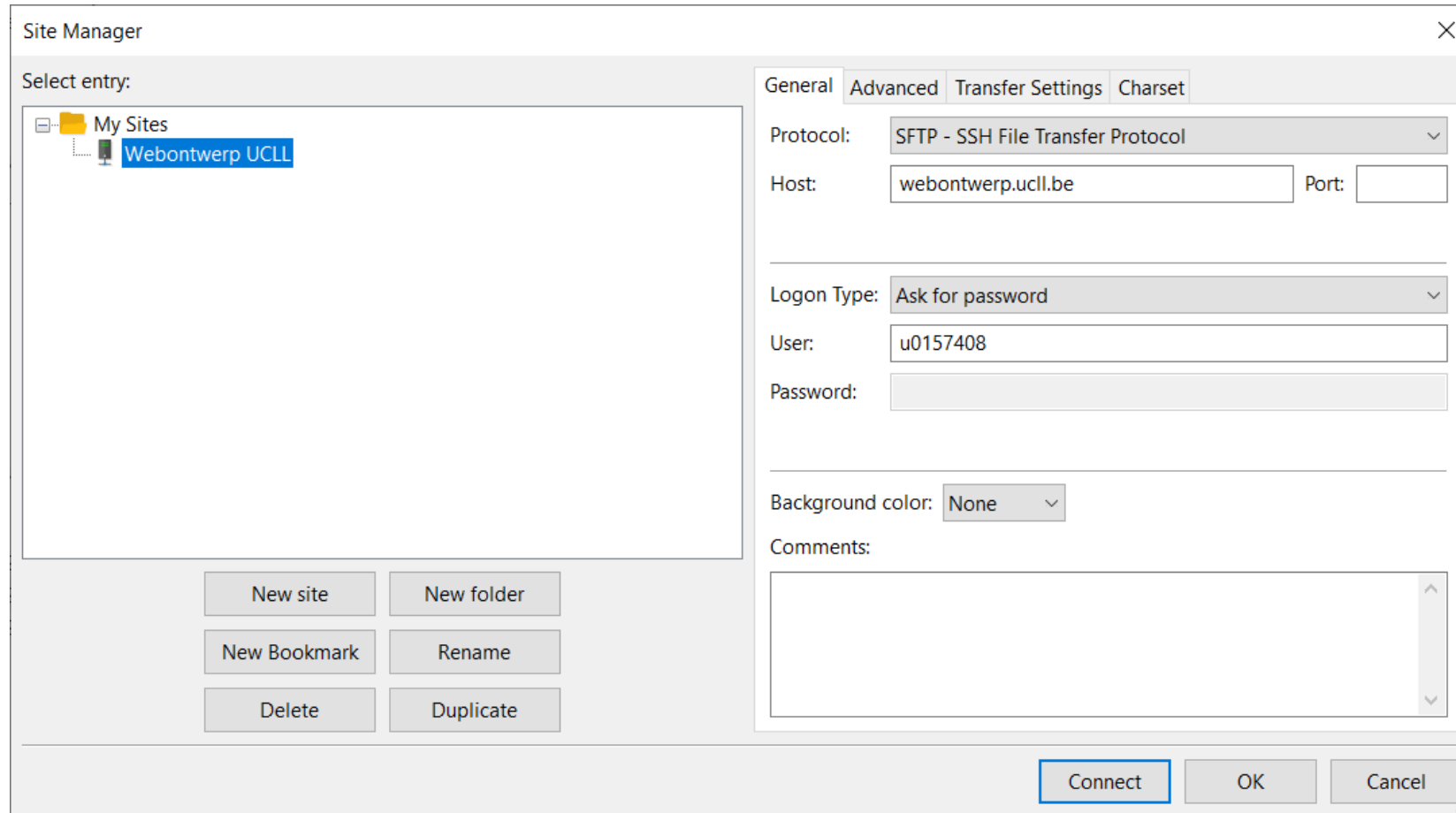
- `!<tab>`
- `(nav>a*2)+p*4<tab>`
- `a{Google}<tab>`
- `p{Mijn inhoud}<tab>`
- http://frontend.webontwerp.ucll.be/HTML_emmet/

LIVE SERVER



SFTP

- Secure File Transfer Protocol



FILEZILLA – FTP CLIENT

Webontwerp UCLL - sftp://u0157408@webontwerp.ucll.be - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: Connecting to webontwerp.ucll.be...
Status: Using username "u0157408".
Status: Connected to webontwerp.ucll.be
Status: Starting upload of C:\Users\artus\projects\ucll\frontend\ldap\index.html
Status: File transfer successful, transferred 349 bytes in 1 second
Status: Retrieving directory listing of "/u0157408/www"...
Status: Listing directory /u0157408/www
Status: Directory listing of "/u0157408/www" successful
Status: Disconnected from server

Local site: C:\Users\artus\projects\ucll\frontend\ldap\

TME
ucll
 blockchain
 frontend
 ldap
 TheGamesLibrary-Backend
 TheGamesLibrary-Frontend
 todo
 todo-ucll

Filename	Filesize	Filetype	Last modified
..			
Index.html	349	Firefox HTML ...	09/28/22 16:20...
index.html	349	Firefox HTML ...	09/28/22 16:20...
lijst.py	5.807	Python File	09/28/22 16:08...

Selected 1 file. Total size: 349 bytes

Remote site: /u0157408/www

u0092735
u0139490
u0148326
u0148327
u0148381
u0157408
 log
 www
webontwerp

Filename	Filesize	Filetype	Last modified	Permissi...	Owner/Gr...
..					
img		File folder	09/27/22 1...	drwxr-xr-x	59005 10...
eerste-web-pagi...	478	Firefox ...	09/27/22 1...	-rw-r--r--	59005 10...
index.html	349	Firefox ...	09/28/22 1...	-rw-r--r--	59005 10...
robots.txt	26	Text Doc...	09/28/22 1...	-rw-r--r--	59005 10...

3 files and 1 directory. Total size: 853 bytes

Server/Local file

Direc...

Remote file

Size

Priority

Status

Queued files

Failed transfers (6)

Successful transfers (3)

Queue: empty

Slide 9

HTML TAGS

- `<header>`
- `<nav>`
- `<p>`
- `<section>`
- `<div>`
- `<aside>`
- ...

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

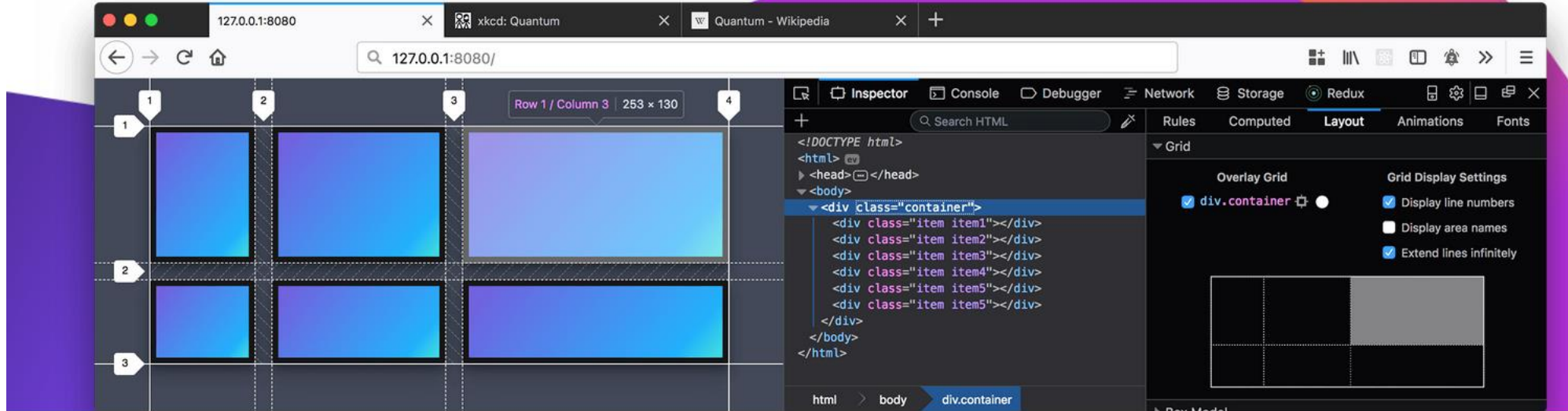
BROWSER

- User interface
- Browser engine
- Rendering engine
- Javascript interpreter
- Dataopslag

RENDERING ENGINE

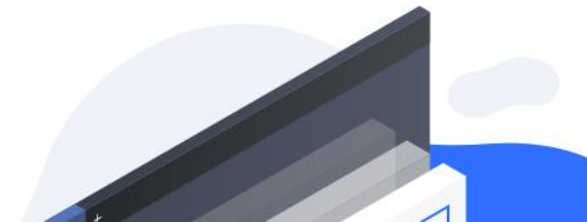
- Specifiek per browser
 - Firefox: Gecko
 - Chrome & Edge (chromium): Blink
 - Safari: Webkit

FIREFOX DEVELOPER EDITION



Browser Developer Edition

browser made for developers



BESTANDSNAMEN

- Vermijd hoofdletters en speciale tekens
 - Index.html
 - Slechte?bestands*naam.html
- goede-bestands-naam.html
- index.html

HTML VALIDATOR

- <https://html5.validator.nu/>

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

(X)HTML5 validation results for <https://u0157408.webontwerp.uc11.be>

Validator Input

Document

☐ Show Image Report

☐ Show Source

The document is valid HTML5 + ARIA + SVG 1.1 + MathML 2.0 (subject to the utter previewness of this service).

Used the HTML parser.

Total execution time 111 milliseconds.

IMAGES

``

- Hou rekening met auteursrechten en licenties
 - Pexel
 - Pixabay
 - Unsplash
 - Google

FIGURE

- `<figure>`

```
<figure>
  
  <figcaption>
    Photo by <a href="https://unsplash.com/@joshuadavidreid?utm_source=
    unsplash&utm_medium=referral&utm_content=
    creditCopyText">Josh Reid</a> on
    <a href="https://unsplash.com/s/photos/iceland?utm_source=
    unsplash&utm_medium=referral&utm_content=creditCopyText">Unsplash</a>
  </figcaption>
</figure>
```

LIJSTEN

- Opsomming van inhoud
- Unordered list:
- Ordered list:
- List item:

ORDERED LIST

```
<ol>  
  <li>Head north</li>  
  <li>Take a right turn</li>  
  <li>Head west for 3 kilometers</li>  
  <li>Destination on your right</li>  
</ol>
```

1. Head north
2. Take a right turn
3. Head west for 3 kilometers
4. Destination on your right

UNORDERED LIST

```
<ul>
  <li>Brood</li>
  <li>Tomaten</li>
  <li>Sla</li>
  <li>Kip</li>
</ul>
```

- Brood
- Tomaten
- Sla
- Kip

LIJSTEN

- Description list: <dl>
- Term: <dt>
- Uitleg: <dd>

DESCRIPTION LIST

```
<dl>
  <dt>HTML</dt>
  <dd>HyperText Markup Language</dd>
  <dt>CSS</dt>
  <dd>Cascading Stylesheet</dd>
</dl>
```

HTML

HyperText Markup Language

CSS

Cascading Stylesheet

SEMANTISCHE HTML

- `<header>`
- `<nav>`
- `<footer>`
- `<aside>`
- `<main>`
- `<section>`
- `<article>`
- ...



TEKST EXTRA BETEKENIS GEVEN

- ``
- ``

```
<p>Het is <strong>zeer belangrijk</strong> voor dit OPO dat je steeds <em>semantische HTML</em> schrijft.</p>
```

Het is **zeer belangrijk** voor dit OPO dat je steeds *semantische HTML* schrijft.

TEKST EXTRA BETEKENIS GEVEN

- Let op: HTML geeft betekenis aan de inhoud, geen stijl

DATUM & TIJD

- ISO 8601: YYYY-MM-DDTHH:mm:ss.sssZ
- Bijvoorbeeld: 2022-09-29T08:30:12.434Z

```
<p>  
  De datum en tijdstip van de tweede les zijn <time datetime="2022-09-29T08:30">Donderdag 29 september, om 8 uur 30.</time>  
</p>
```

AFKORTINGEN

- `<abbr title="Opleidingsonderdeel">OPO</abbr>`

```
<p>Dit is een les voor het <abbr title="Opleidings Onderdeel">OPO</abbr> Front-end development.</p>
```

Dit is een les voor het OPO Front-end development.

Opleidings Onderdeel

GENERIEKE ELEMENTEN

- `<div>`: block
- ``: inline

SPECIALE TEKENS

- <https://www.freeformatter.com/html-entities.html>
- © - ©