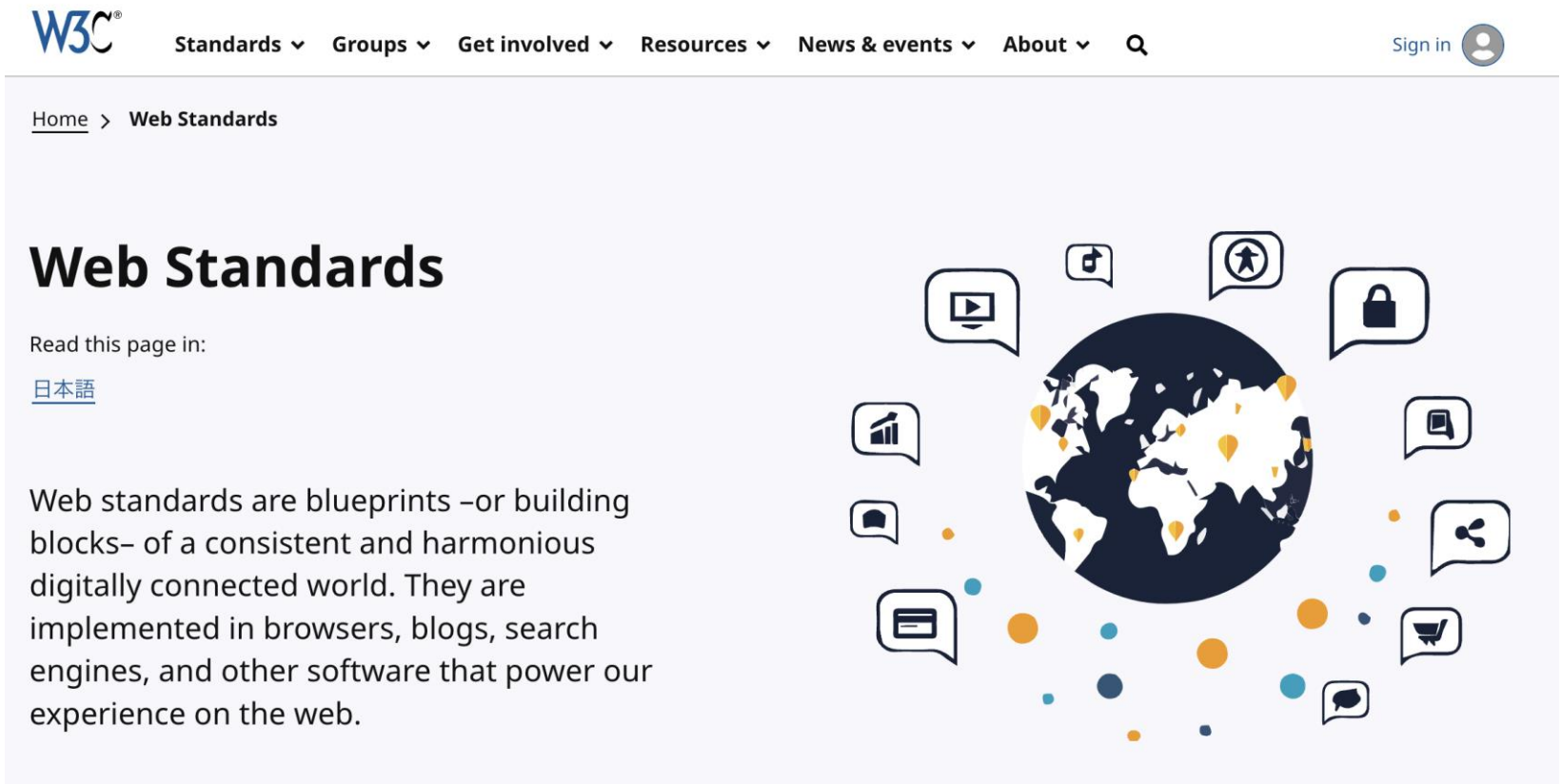
EDUNOVA
USTANOVA ZA OBRAZOVANJE ODRASLIH

HTML 00

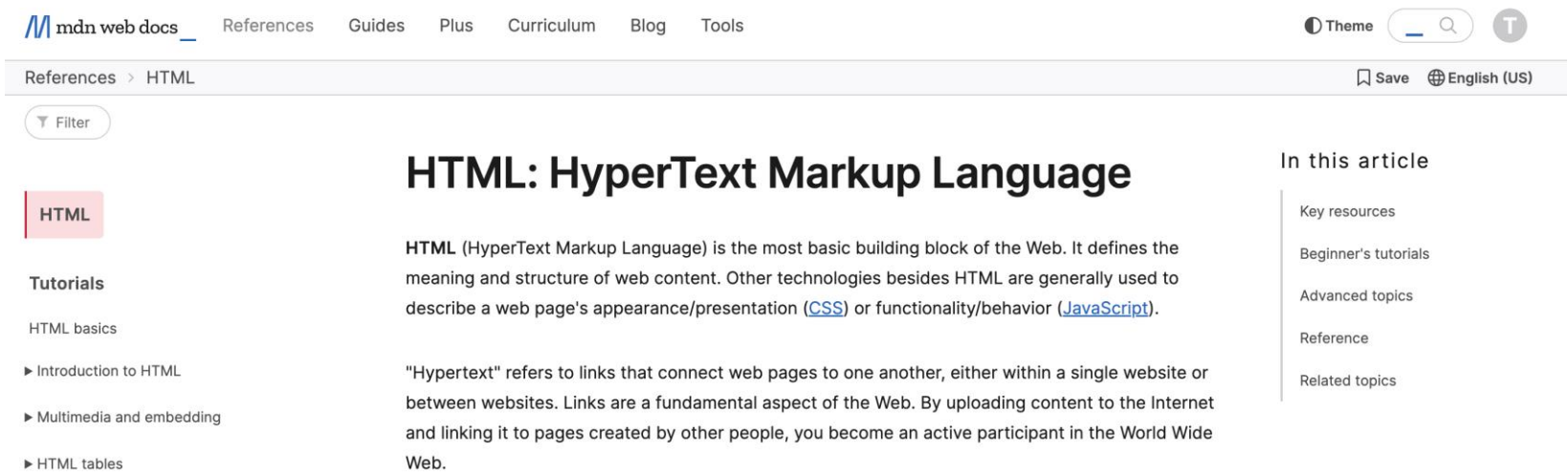
Literatura

https://www.w3.org/standards/



Literatura

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



Literatura

https://developer.mozilla.org/en-US/docs/Web/CSS

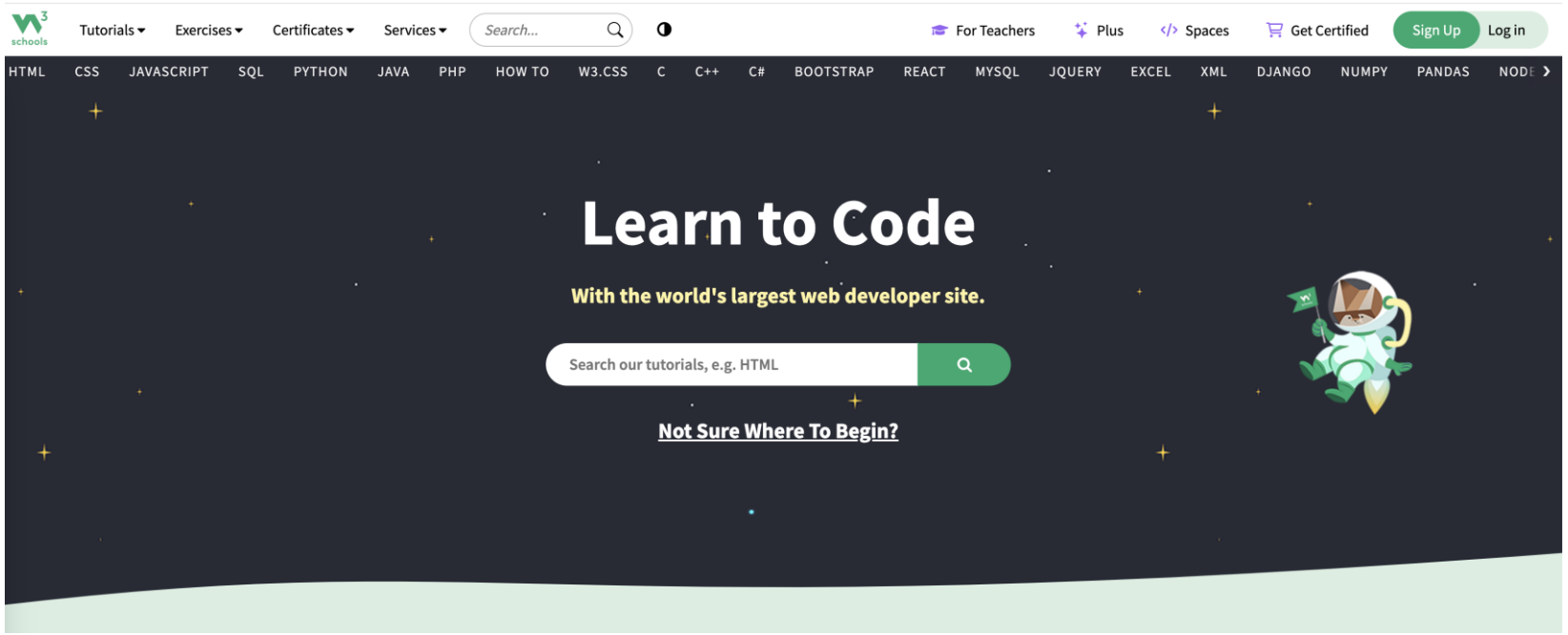
Ostali Relevantni izvori

- Službena specifikacija HTML: https://html.spec.whatwg.org/multipage/
- Službena specifikacija CSS: https://www.w3.org/Style/CSS/specs.en.html
- Mozilla developer network: https://developer.mozilla.org/en-US/docs/Learn
- Code Cademy Learn HTML 5: https://www.codecademy.com/learn/learn-html
- Code Cademy Learn CSS 3: https://www.codecademy.com/learn/learn-css
- DevFreeBooks: https://devfreebooks.github.io

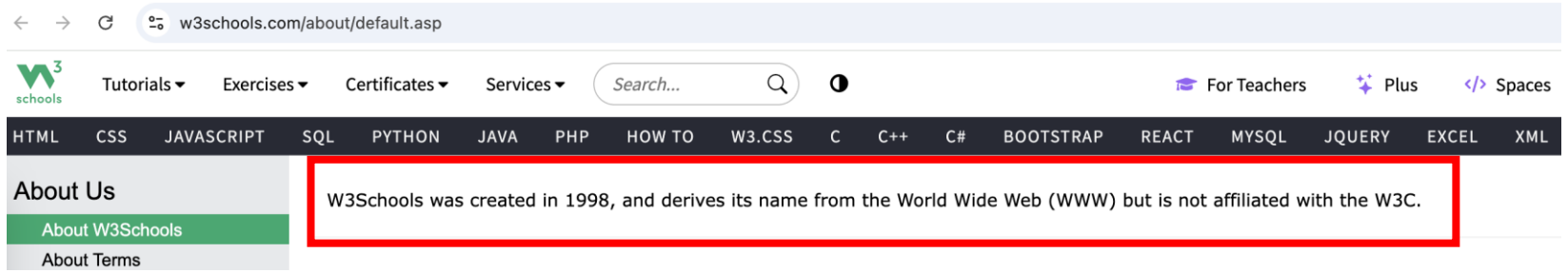
Ostali izvori

- CSS-TRICKS: https://css-tricks.com/where-do-you-learn-html-css-in-2019/
- Front-end Developer Handbook 2019: https://frontendmasters.com/books/front-end-handbook/2019/
- Front-end Development mindmap: https://urlzs.com/s8sE8

ANTI Literatura https://www.w3schools.com/



Iako će jedan od prvih rezultata pojmova vezanih za oblikovanje mrežnih stranica rezultirati ponuđenim rezultatom s mrežnog mjesta w3schools, ovaj izvor ZAOBILAZITI U VELIKOM LUKU!



Stav prema AI alatima

AI alati su dopušteni, pripaziti samo na kvalitetu sadržaja koje produciraju

```
<div class="fix-6-12">
  <h1 class="huge ae-1 margin-bottom-2">Vidimo se na nastavi!</h1>
  <div style="text-align: left;">
    <p>Izvori korišteni u pripremi mrežne stranice</p>
    <ul>
      <li>

      </li>
      <li>
        <a href="https://www.w3schools.com/" target="_blank">W3Schools</a>
      </li>
      <a href="https://designmodo.com/website-templates/" target="_blank">Designmodo</a> </ul>
  </div>
```

Koristiti kao pomoć pri učenju

Objasni mi ulogu div elementa u HTML

`<div>` element u HTML-u predstavlja generički kontejner za blok elemente bez posebnog semantičkog značenja. Koristi se za grupisanje drugih HTML elemenata kako bi se omogućila njihova organizacija i stilizacija putem CSS-a ili upravljanje putem JavaScript-a.

Evo nekoliko ključnih funkcija i karakteristika:

1. **Struktura**: Koristi se za organizaciju stranice u logične celine. Na primer, može da grupiše više elemenata, poput slika, naslova i paragrafa, unutar jednog bloka.

```html
<div>
    <h1>Naslov</h1>
    <p>Ovo je paragraf.</p>
</div>
```

2. **Stilizacija**: Sa CSS-om, može se koristiti za dodavanje stilova (boja, margina, rasporeda) određenoj grupi elemenata.

```html
<div style="background-color: lightblue; padding: 20px;">
    <h2>Naslov unutar div-a</h2>
    <p>Tekst u div-u.</p>
</div>
```

3. **Raspored (Layout)**: U kombinaciji sa CSS tehnikama poput `flexbox` ili `grid`, omogućava raspoređivanje elemenata na strani.

```html
<div style="display: flex;">
    <div>Prvi element</div>
    <div>Drugi element</div>
</div>
```

4. **Nema semantičko značenje**: Za razliku od elemenata kao što su `<header>`, `<article>`, `<section>`, koji imaju specifičnu semantiku, `<div>` ne dodaje nikakvo značenje sadržaju. Zbog toga se koristi kada nema potrebe ↓ specifičnim semantičkim oznakama.

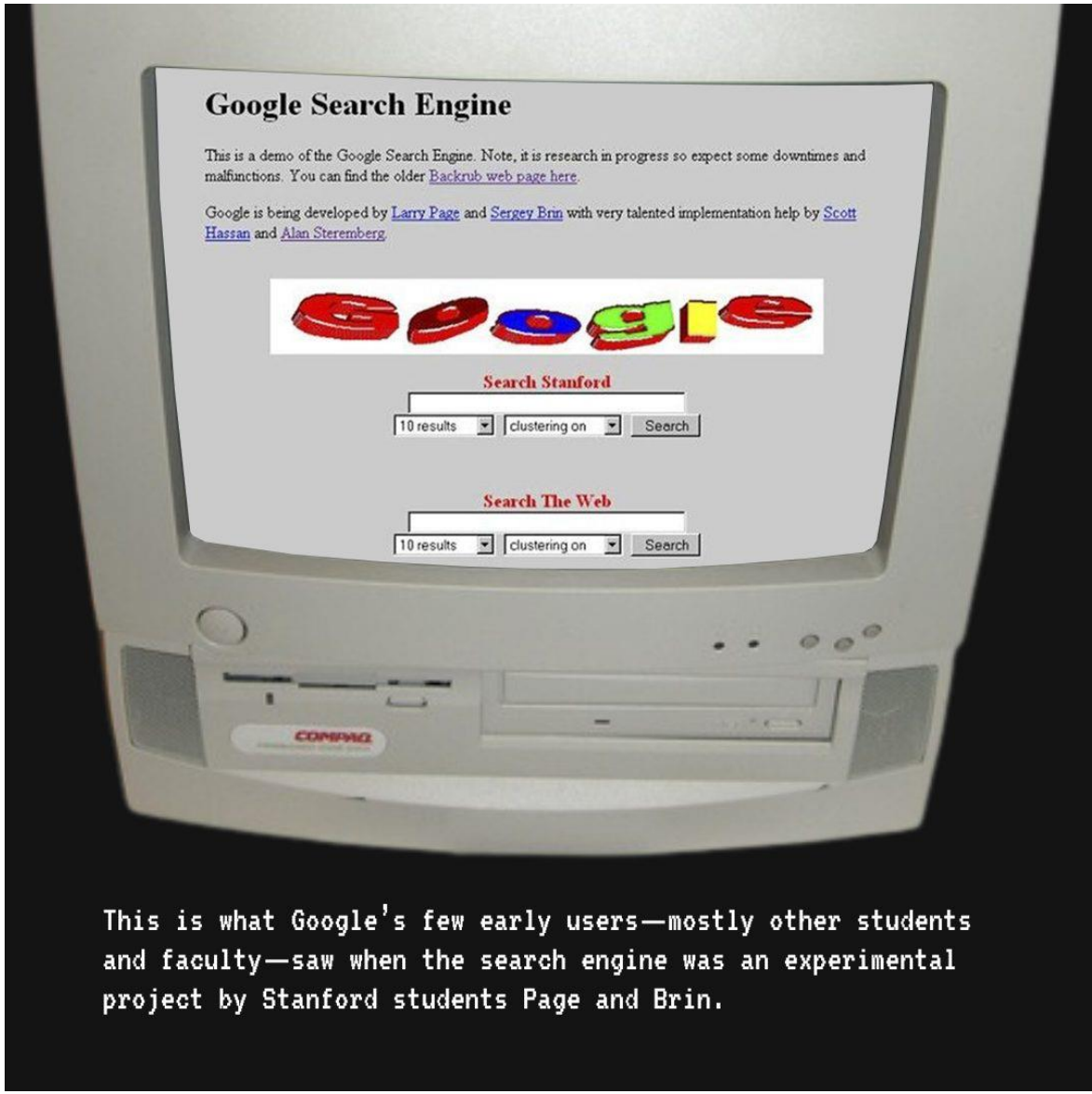
Povijest

SGML

Standard Generalized Markup Language

1986

ISO 8879:1986 Information processing
Text and office systems – Standard Generalized Markup Language (SGML)



Izvori

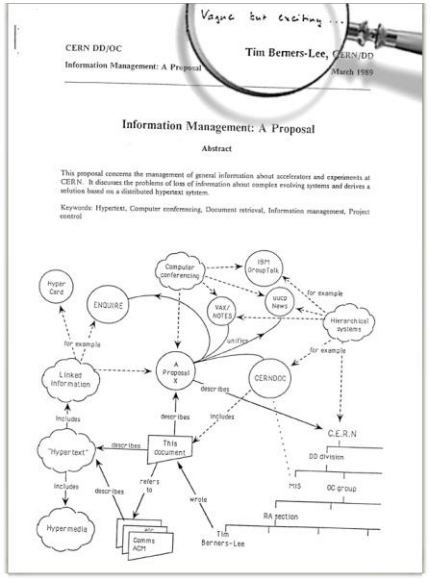
- https://www.w3.org/TR/WD-html40-970708/intro/sgmltut.html
- https://www.whoishostingthis.com/resources/sgml/

Povijest

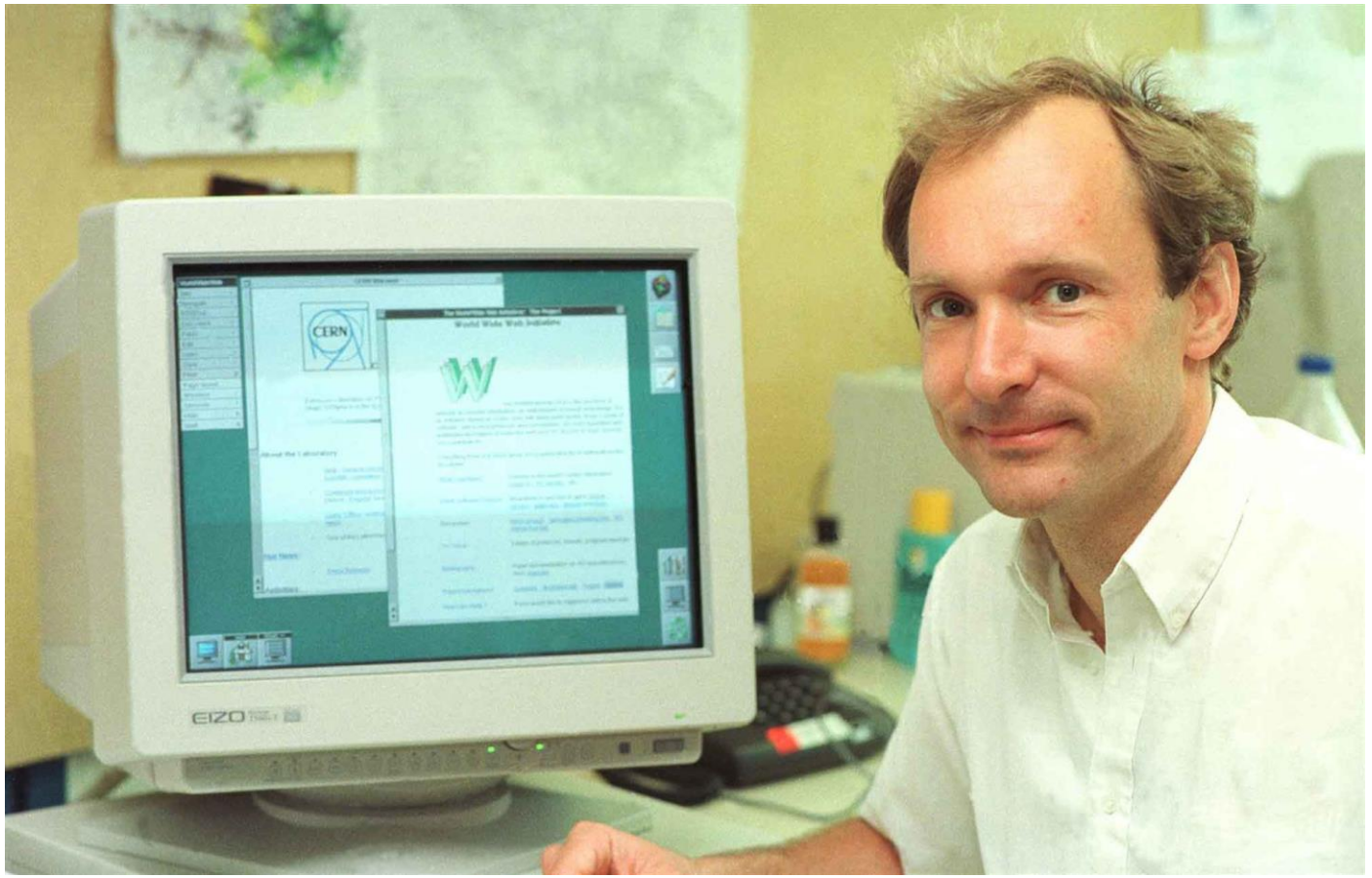
1989 Tim Berners-Lee

Information Management: A Proposal

https://www.w3.org/History/1989/proposal.html



http://info.cern.ch/images/proposal.gif



https://webfoundation.org/docs/2009/10/berners-lee.jpg

Proučiti:
https://artsandculture.google.com/story/the-birth-of-the-world-wide-web-cern/5AVhmV4JkYtgJw

Povijest

Preglednici mrežnih stranica

1991. WorldWideWeb (kasnije preimenovan u Nexus)
1993. Mosaic
1994. Netscape Navigator
1994. Opera
1995. Internet Explorer
2003. Safari
2004. Firefox
2008. Chrome
2015. Edge

Danas: Chrome, Firefox, Edge, Safari, Opera, Brave,…

Izvori

- https://acodez.in/browser-wars/
- https://www.livescience.com/20727-internet-history.html
- https://midlothianweb.com/history-of-web-browsers/
- https://www.pewinternet.org/2014/03/11/world-wide-web-timeline/

HTML?

HyperText Markup Language

HTML je označiteljski jezik

„ HTML definira značenje i strukturu sadržaja mrežnih stranica.“

„ HTML je osnovni jezik na mreži za kreiranje sadržaja za svakoga na bilo kojem mjestu“

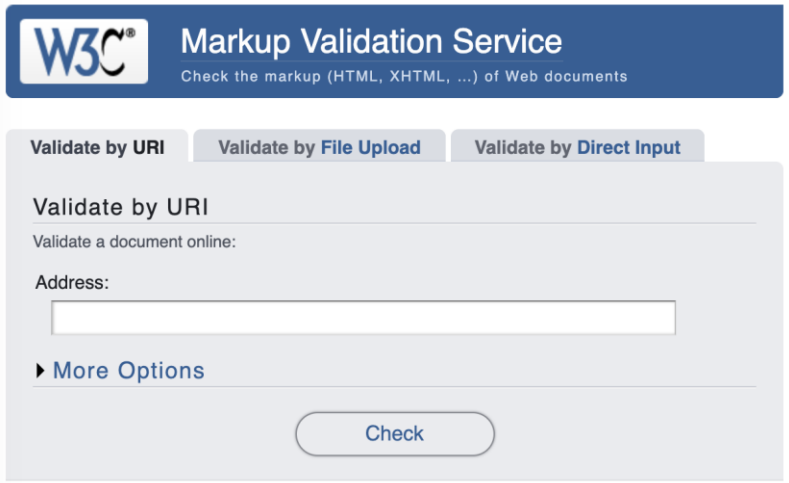
HTML se sastoji od oznaka kojim se označavaju tekst, slike i druge sadržaje.

Valjani HTML5 dokument

```
<!DOCTYPE html>
<html lang="hr">
<head>
    <meta charset="UTF-8">
    <title>Dokument</title>
</head>
<body>

</body>
</html>
```

https://validator.w3.org

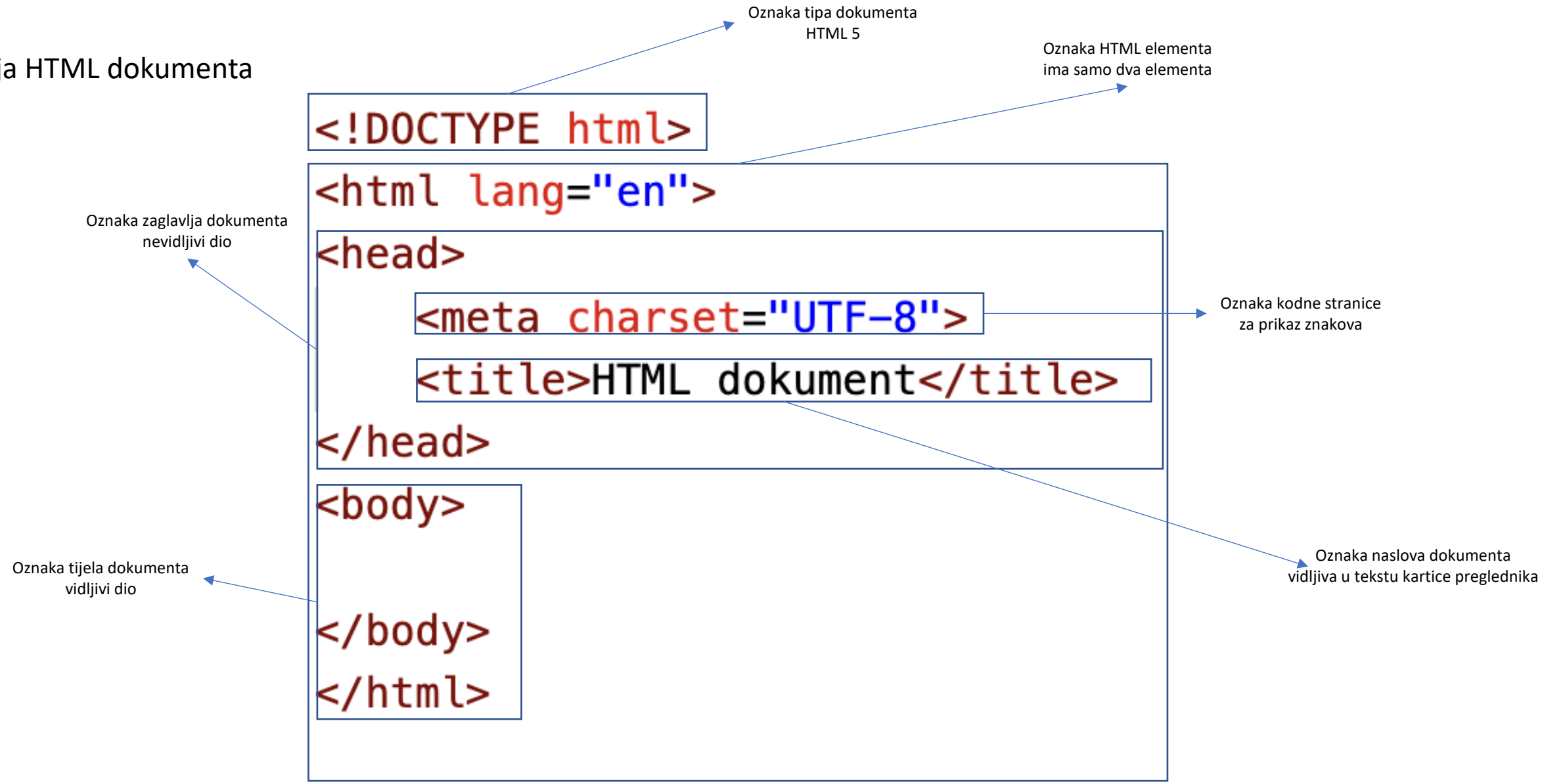


Document checking completed. No errors or warnings to show.

Source

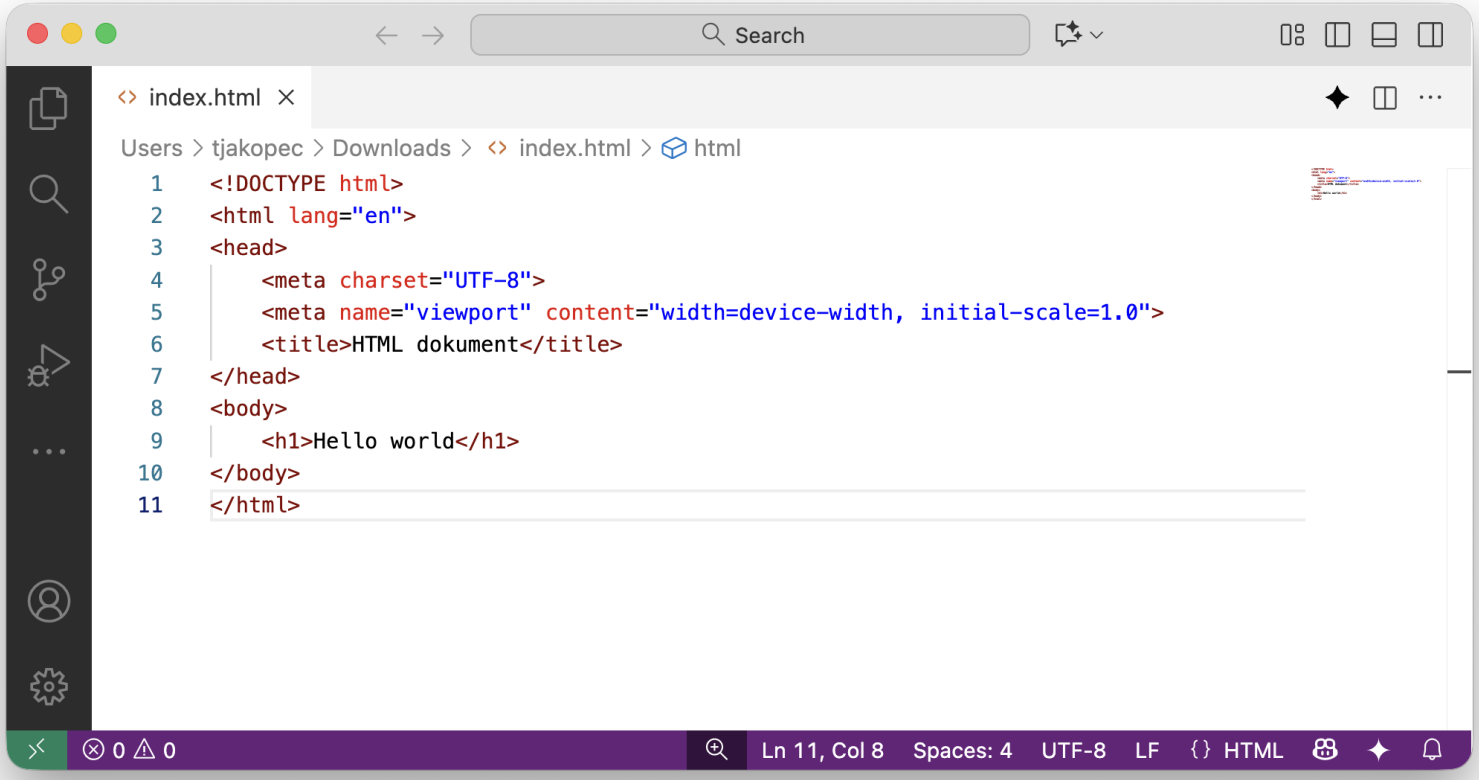
```
1.  <!DOCTYPE html>↩
2.  <html lang="hr">↩
3.  <head>↩
4.      <meta charset="UTF-8">↩
5.      <title>Dokument</title>↩
6.  </head>↩
7.  <body>↩
8.      ↩
9.  </body>↩
10. </html>↩
11. ↩
12.
```

Anatomija HTML dokumenta

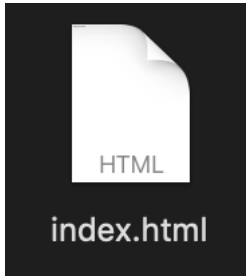


Anatomija HTML dokumenta

Preporuka za rad: Microsoft Visual Studio Code



HTML dokument se pohranjuje u .html datoteci koristeći UTF-8 kodnu stranicu



index.html je datoteka koju mrežni poslužitelj dostavlja ukoliko je naveden samo naziv direktorija

HTML element

znak manje od

<element>

znak više od

znak podijeljeno

naziv elementa

</element>

početak elementa

<element>

kraj elementa

</element>

znak jednako

naziv atributa

dvostruki navodnici

```
<element atribut="vrijednost">
    Sadržaj elementa
</element>
```

vrijednost atributa

```
<element atribut1="vrijednost"
    atribut2="vrijednost">
    <drugielement />
</element>
```

način zatvaranja elementa bez "djece"

Anatomija HTML elementa - generički

HTML element

```
<p title="Osijek, 07. prosinca">
    Osjećam se odlično.
</p>
```

Anatomija HTML elemenata – primjer 1

HTML element

```
<div class="popis">
    <ul id="lista">
        <li>Stavka 1</li>
    </ul>
</div>
```

Anatomija HTML elemenata – primjer 2

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HTML elementi https://developer.mozilla.org/en-US/docs/Web/HTML

<a>
<abbr>
<acronym>
<address>
<area>
<article>
<aside>
<audio>
<b>
<base>
<bdi>
<bdo>
<big>
<blockquote>
<body>

<button>
<canvas>
<caption>

<cite>
<code>
<col>
<colgroup>
<data>
<datalist>
<dd>
<del>
<details>
<dfn>
<dialog>
<dir>

<dl>
<dt>

<embed>
<fencedframe>
<fieldset>
<figcaption>
<figure>
<font>
<footer>
<form>
<frame>
<frameset>
<h1>
<head>
<header>
<hgroup>
<hr>
<html>
<i>
<iframe>
<img>
<input>
<ins>
<kbd>
<label>
<legend>

<link>
<main>
<map>
<mark>
<marquee>
<menu>
<meta>
<meter>
<nav>
<nobr>
<noembed>
<noframes>
<noscript>
<object>

<optgroup>
<option>
<output>
<p>
<param>
<picture>
<plaintext>
<portal>
<pre>
<progress>
<q>
<rb>
<rp>
<rt>
<rtc>
<ruby>
<s>
<samp>
<script>
<search>
<section>
<select>
<slot>
<small>
<source>

<strike>

<style>
<sub>
<summary>
<sup>
<table>
<tbody>
<td>
<template>
<textarea>
<tfoot>
<th>
<thead>
<time>
<title>
<tr>
<track>
<tt>
<u>

<var>
<video>
<wbr>
<xmp>

Σ 127

Atributi HTML elemenata

Globalni atributi – zajednički za sve elemente

accesskey
autocapitalize
class
contenteditable
contextmenu
data-*
dir
draggable
hidden
id
inputmode
is
itemid
itemprop
itemref
itemscope
itemtype
lang
slot
style
tabindex
title

Atributi događaja

onabort, onautocomplete, onautocompleteerror, onblur, oncancel, oncanplay, oncanplaythrough, onchange, **onclick**, onclose, oncontextmenu, oncuechange, **ondblclick**, ondrag, ondragend, ondragenter, ondragexit, ondragleave, ondragover, ondragstart, ondrop, ondurationchange, onemptied, o nended, onerror, onfocus, oninput, oninvalid, onkeydown, **onkeypress**, onkeyup, onload, onloadedd ata, onloadedmetadata, onloadstart, onmousedown, **onmouseenter**, **onmouseleave**, onmousemove, onmouseout, onmouseover, onmouseup, onmousewheel, onpause, onplay, onplaying, onprogress, onratechange, onreset, onresize, onscroll, onseeked, onseeking, onselect, onshow, onsort, onstalled, onsubmit, onsuspend, ontimeupdate, ontoggle, onvolumechange, onwaiting

Atributi HTML elemenata

Pojedini HTML elementi imaju obavezne atribute

```
<img src="slike/logo.png" alt="Logo” />
```

```
<a href="stranica.html">Stranica</a>
```

….

U danoj relevantnoj literaturi postoji popis koji atributi se primjenjuju na kojem elementu