

HTML



HTML5 <>.... </>

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Entstehung

- Tim Berners-Lee
- 1989 , CERN
- <http://info.cern.ch/>
- Gründer von WWW

HTTP

- **HTTP protocol (Hypertext Transfer Protocol)**
- For communication between web server and web client.

HTML

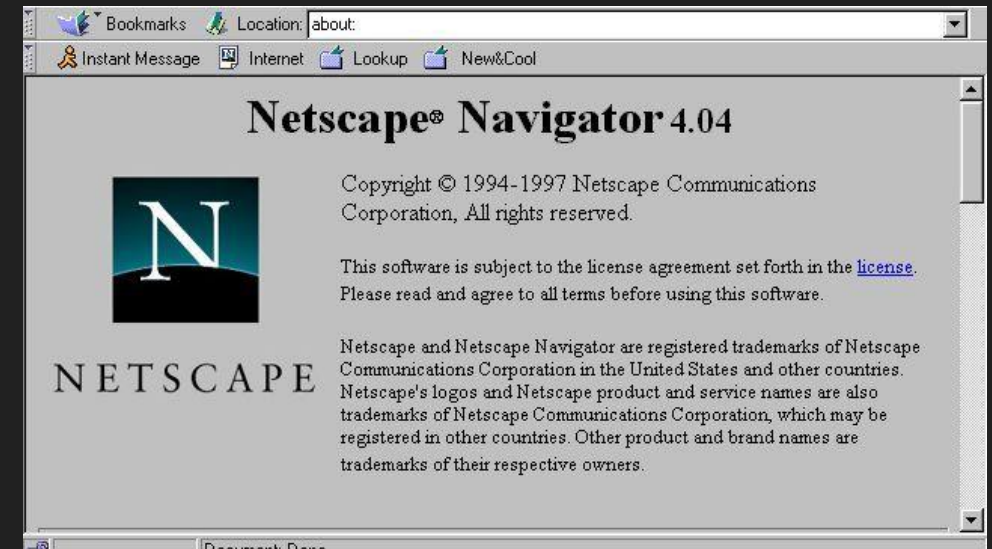
- **HTML (Hypertext Markup Language)**
- Markup language for web documents.

URI

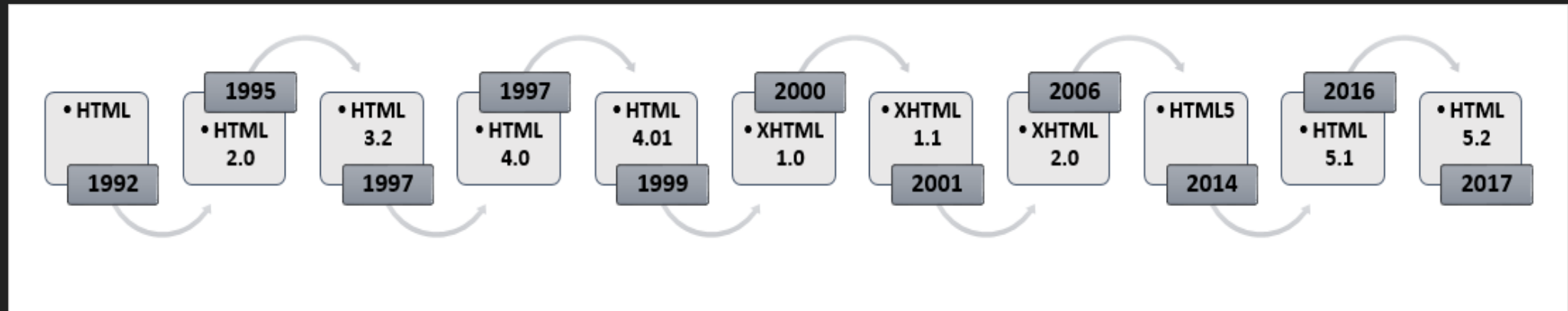
- **URI (Universal Resource Identifier)**
- Addressing of any files and data sources on the Internet.

Browserkrieg

- **Der erste Browserkrieg (1995 – 2001)**
 - Netscape Navigator vs. Internet Explorer
- **Der zweite Browserkrieg (2004- 2017)**
 - W3C vs. WHATWG Konflikt



HTML5 Timeline



W3C - World Wide Web Consortium

- 1. Oktober 1994
- Zweck: Standardisierungsgremium für das World Wide Web
- „Web for All“
- HTML Recommendations

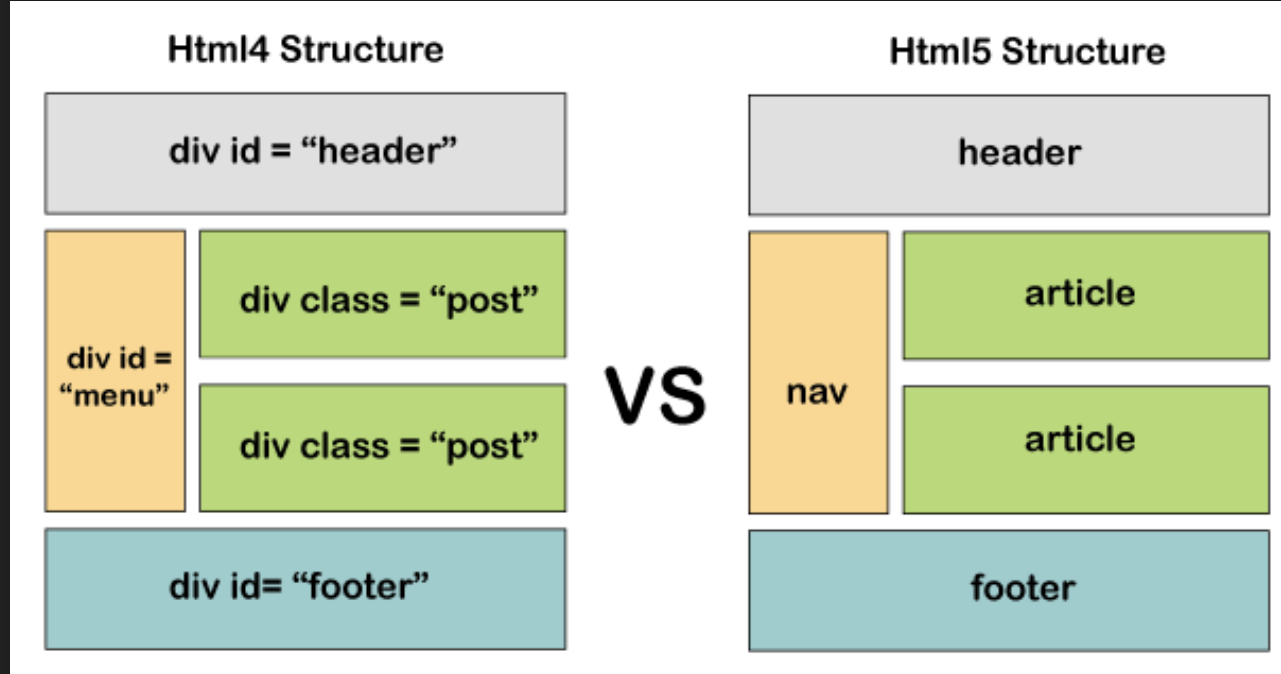
WHATWG - Web Hypertext Application Technology Working Group

- 04. Juni 2004
- Gründer: Ian Hickson
- Apple, Google, Mozilla, Microsoft
- HTML Living Standard

HTML5 Elemente

- **Neue** semantische **Elemente**
- **Neue** grafische **Elemente**
- **Neue** Multimediaelemente
- **Neue** interaktive **Elemente**

Bessere Semantik



2D Content

- `<svg>`

- `<canvas>`



Benutzerfreundliche Formulare

- `<email>`
- `<number>`
- `<url>`
- `<tel>`
- `<search>`
- `<range>`

The New HTML5 Form Input Types

Please enter your E-mail:

Range:

Number:

Select a color:

Search:

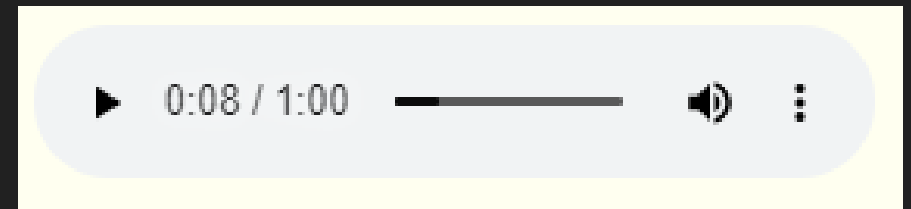
URL:



Geben Sie eine URL ein.

Einbetten von Audios und Videos

- Kein Plug-in mehr nötig
- `<audio>`
- `<video>`



Mehr Interaktivität

- <dialog>
- <summary>
- <details>

▼ Some details

More info about the details.

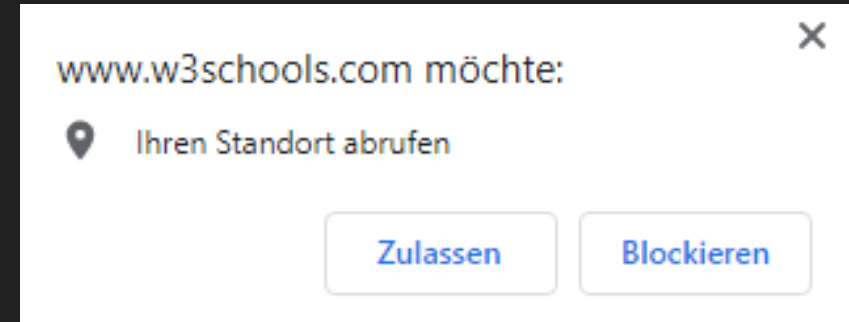
General Terms and Conditions apply

Accept

Reject

APIs - Programmierschnittstelle

- Drag and Drop API
- Geolocation API
- Web Storage API
- Offline Applications API



Browserunterstützung

desktop browsers	tablets	mobiles	other	latest	search
OVERVIEW					
	Chrome	Opera	Firefox	Edge	Safari
Upcoming	68 → 528		60 → 497	18 → 496	11.2 → 477
Current	66 → 528	45 → 518	59 → 491	17 → 492	11.1 → 471
Older	65 → 528	37 → 489	58 → 486	16 → 476	11 → 452

<http://html5test.com/>
<https://caniuse.com/>

Diskussionsrunde

