HTML & CSS

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Day Eight

- Video & Audio

- Accessibility

- Dropdown Navigation

- Repetition

Video

Syntax

```
<video controls width="250">

    <source src="/media/cc0-videos/flower.webm"
            type="video/webm">

    <source src="/media/cc0-videos/flower.mp4"
            type="video/mp4">

    Sorry, your browser doesn't support embedded videos.
</video>
```

Codecs

- About : https://developer.mozilla.org/en-US/docs/Web/Media/Formats/Video_codecs

- Browser Support: https://caniuse.com/?search=video

- About MP4

Attributes

- autoplay

- muted

- controls

- width/height

- loop

- poster

- preload

- src

Audio

```html
<audio controls>
  <source src="myAudio.mp3" type="audio/mpeg">
  <source src="myAudio.ogg" type="audio/ogg">
  <p>Your browser doesn't support HTML5 audio. Here is
    a <a href="myAudio.mp3">link to the audio</a> instead.</p>
</audio>
```

- Codecs https://developer.mozilla.org/en-US/docs/Web/Media/Formats/Audio_codecs

Accessibility [Barrierefreiheit]

Brainstorming Time

LETS PUT OURSELVES IN PEOPLE'S SHOES ...

- with sensory impairments *[Sinneseinschränkungen]*
- motoric limitations *[motorischen Einschränkungen]*

In which areas do we take measures *[Massnahmen]* for accessibility?

Examples

Light signal with beep / Ramps / Sidewalk markings / Railings / Announcements in train / Volume / Clear and intuitive arrangement of content / Large, high-contrast fonts / Clear, internationally easy-to-understand pictograms / Braille / Sign language / Short mouse path / Spatial accessibility / Languages / Seats / Support / Signage / Color of bus bar / Alarm clock with light / Television with subtitles

Definition

Easy, simple accessibility for all. Consideration for people with limitations.
On the web, in particular:

- Visually impaired and/or blind people

- Hearing impaired and/or deaf - Mobility impaired.

Federal and near-federal websites must be accessible by law

For reference: There are recommendations from W3C:

- https://www.w3.org/TR/wai-aria/

- https://www.w3.org/WAI/intro/aria

- https://www.w3.org/Translations/WCAG20-de/
  To review:

- http://www.cynthiasays.com/

- Turn off CSS

Think about the following:

- Tabbing through logical? Otherwise help yourself with attribute `tab-index="number"` .

- `alt` attribute for images

- `title` attribute for links

- Subtitles needed for videos?

- Transcription needed for videos?

- Div with skip links to nav and content, which is offscreen:

```
<div id="access-links">
  <a href="#skip-to-content">to content</a>.
  <a href="#primary-nav">to the main navigation</a>
</div>
```

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- Make sure your `alt` attributes are descriptive
- Are your inputs labeled?
- Check the contrast of your text
  - Is the font readable
- Use your devtools
- Use ARIA attributes
- Use a checklist : https://www.a11yproject.com/checklist/

Dropdown Navigation Demo

Repetition