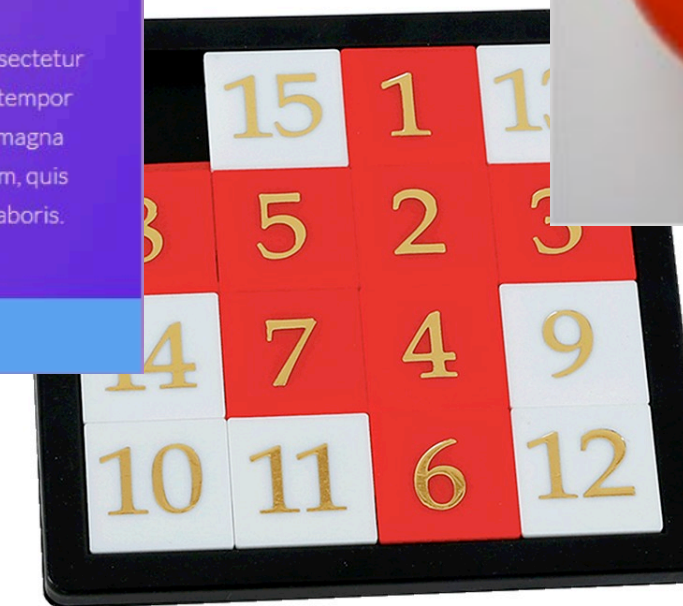# Misc

Homework 2

- Plan, design and build a **card** with **interactive elements**.

- Some ideas...
  - Show more content with a slider?
  - Make a puzzle/game?
  - Move things away/towards the cursor?
  - Change display depending on time/date?
  - Include media (music, video)?
  - Show more content when clicking on certain parts of your card?
  - Flip the card?
  - Create a tamagotchi
  - ...

Homework 2

- Mandatory submission to pass this course!
- Hand in a link to your GitHub pages page via
https://docs.google.com/spreadsheets/d/
1XGDo1o2Gs4LqeLgEE7r6Lk_k8EI-LCSo2M2qPs2EjqU/edit?
usp=sharing
    - Enter your Name, Link to your GitHub repository and to your html hosted via Github Pages.
- Submission until: Friday 10.06.2022, 24:00
Late submissions will receive deductions!
- Grading will be based on:
    - Cleanness of code (indentation, spaces!)
    - Layout
    - JavaScript/Interactivity
    - Complexity (Extras welcome!)
    - GUI
    - Write down which parts of your code have been copy/pasted and indicate source in comment!

Homework 2

- The same restrictions apply!
  - Restrictions:
    - Size: 300px * 540px
    - Centered (left/right)
    - margin-top: 40px
- Create a new card from the template:
  https://github.com/Jones-S/web-dev-zhdk-2022/raw/main/templates/exercise-01.zip
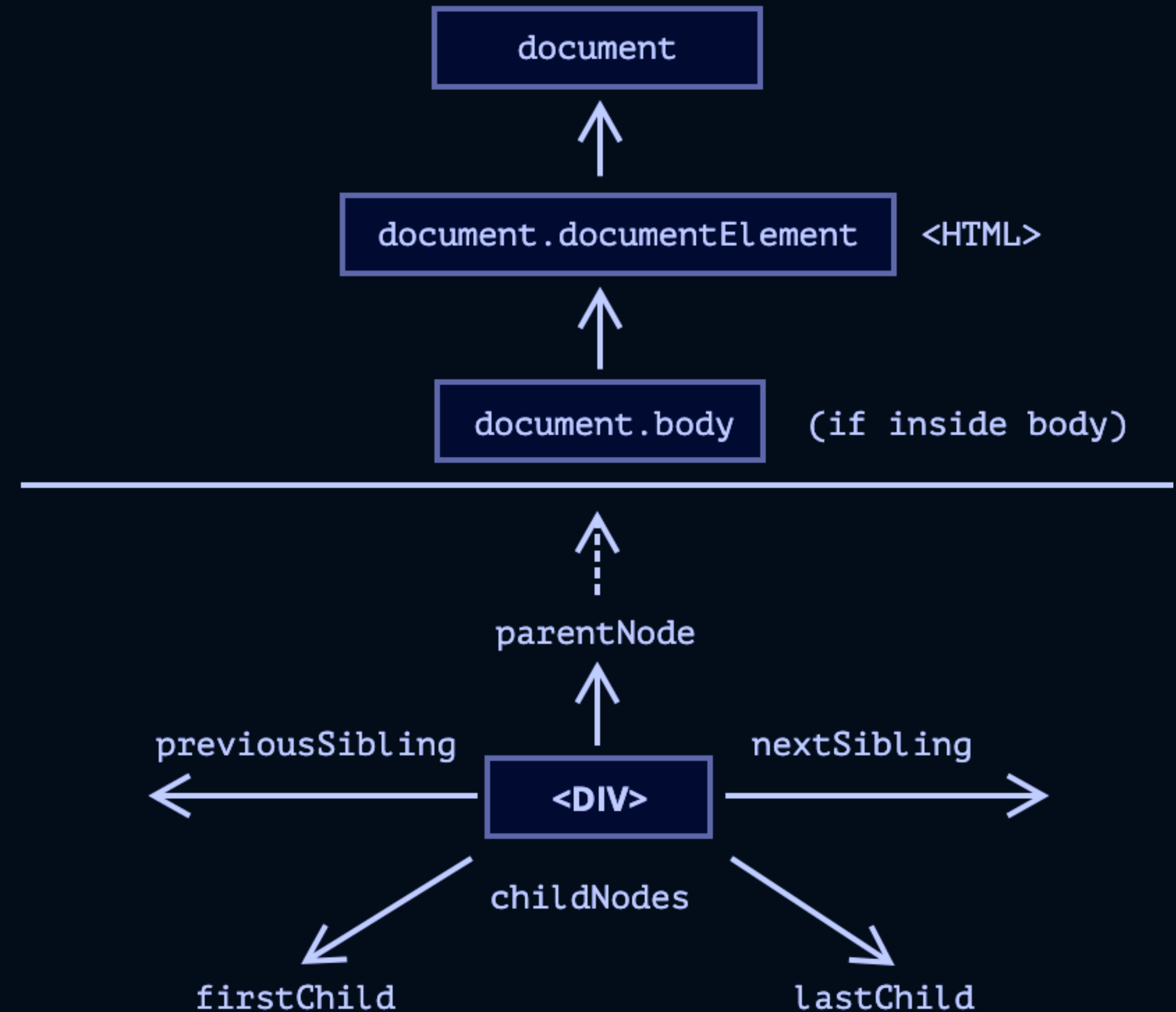
elem.style.cssText

Open question from last lesson...

```
1  const element = document.querySelector('[data-js="box"]');
2  element.style.cssText = "background-color: red; font-size: 1.1rem;";
```

"*Walking the DOM*"

- Parents
- Siblings
- Children

"Walking the DOM": Parents

```javascript
const element = document.querySelector('[data-js="element"]');
const parent = element.parentNode;
console.log("parent: ", parent);
```

"Walking the DOM": Siblings

⚠️ `nextElementSibling vs. nextSibling`

```javascript
1  const element = document.querySelector('[data-js="box"]');
2  const sibling = element.nextElementSibling;
3  console.log("sibling: ", sibling);
```
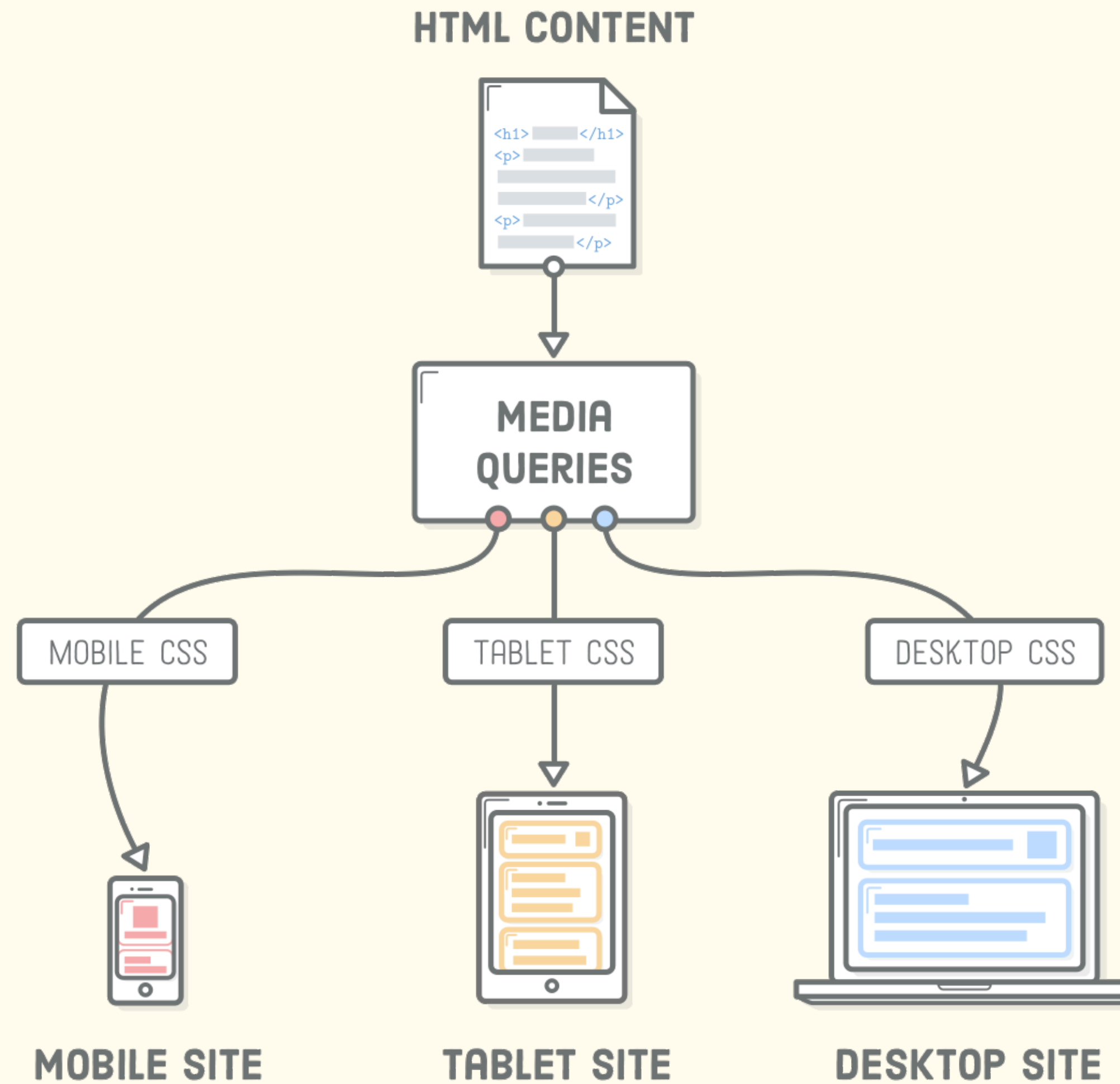
"Walking the DOM": Children

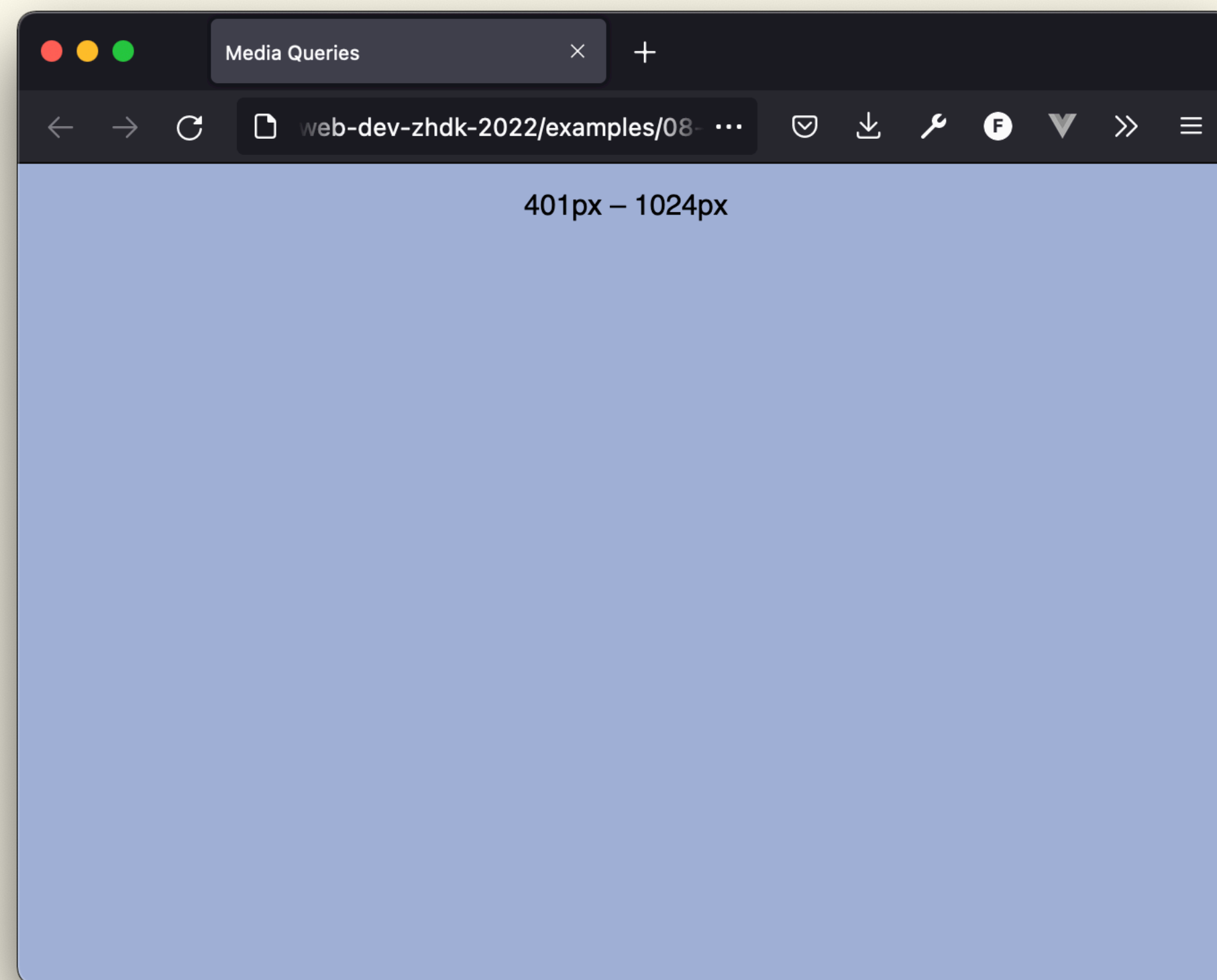- firstElementChild & lastElementChild
- children

```
1  const element = document.querySelector('[data-js="box"]');
2  const children = element.children;
3  console.log("children: ", children);
```

Media Queries in action

HTML CONTENT

```
<h1>      </h1>
<p>
                 </p>
<p>
           </p>
```

MEDIA QUERIES

MOBILE CSS

TABLET CSS

DESKTOP CSS

MOBILE SITE

TABLET SITE

DESKTOP SITE

Bits & Atoms II

Media Queries in action

Responsive images

```
1  <img
2    src="images/img_512.jpg"
3    srcset="images/img_2048.jpg 2048w, images/img_1024.jpg 1024w, images/img_512.jpg 512w"
4    sizes="(min-width: 2000px) 2000px, 100vw"
5    alt="image showing pixel indication"
6  />
```

Helpful:
https://www.smashingmagazine.com/2014/05/responsive-images-done-right-guide-picture-srcset/

https://github.com/Jones-S/web-dev-zhdk-2022/tree/main/examples/14-responsive-images

Chrome: current source