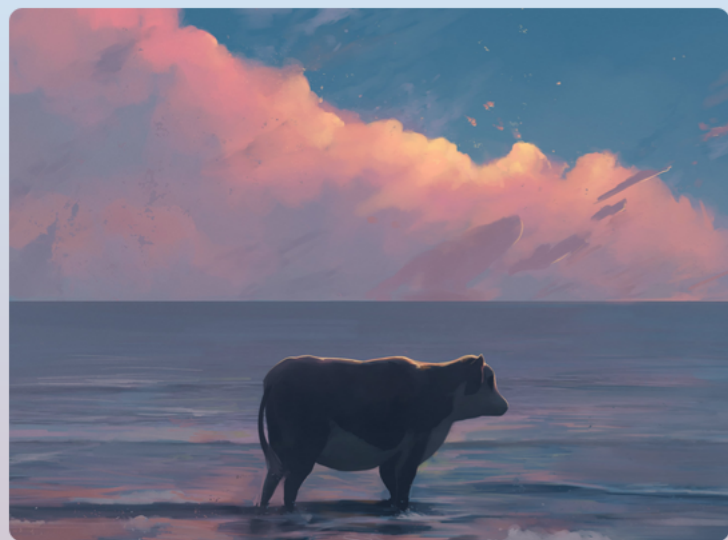Bits & Atoms II

Units/JavaScript

Homework

Steckbrief Schneeleopard

In den extremen Regionen des Hochgebirges die Dichte gering ist, schätzt man, dass die Aufgebiete der Schneeleoparden bis zu 1000 Quadratkilometer gross sind. Damit sind sie (ebenso wie der Sibirische Tiger) diesbezüglich Rekordhalter unter Katzen. Ihre Einzigartigkeit wird aber auch dadurch bestätigt, dass sie eine Sprungweite bis zu 15 m erreichen und dass sie das dickste und längste Fell aller Katzen haben.

Verwandtschaft	Raubtiere, Katzen, Schneeleopard (möglicherweise 2 Unterarten)
Lebensraum	Hochgebirge und felsige Hochsteppen bis 6000 Meter über Meer
Lebensweise	meist dämmerungs- und nachtaktiv, territorial

Merken!

zooh! ZÜRICH

Nature Is Healing

Cows Are Returning to the Ocean

"I have inside me the winds, the deserts, the oceans, the stars, and everything created in the universe. We were all made by the same hand, and we have the same soul."

- Paulo Coelho, The Alchemist

FIND OUT MORE

MARRØN
Andy Katz
Near End
Gomorra

MARRØN untermauert seine Technoperspektive mit emanzipatorischer Praxis. Die Ästhetik ist die Botschaft, nicht froh, sondern dunkeldüster.
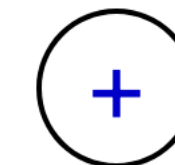
SA, 21. MAI / 2300

The Mushy

Illustration by Lea Bischoff

Habitat	Big forests
Nutrition	Berries and nuts
Size	20cm
Speciality	Being super cute

Lucomagno

Disentis (GR)	Biasca (TI)
19.8 km	13.4 km
907 m	1030 m
Ø 4.6 %	Ø 9.6 %

+

Exhibition Invitation

IAD 2022

We invite you to our exhibition at ZHdK. The students of interaction design will present their work. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Visit our website!

Homework

- Some GitHub pages don't work/show a card. →
  Please correct that. (Marked red)
  https://docs.google.com/spreadsheets/d/
  11VEbOOS7pxGK1NhC9ZWvGv7nFEPro42Y7OOl
  YRQWXtI/edit#gid=0

CSS-Units

Absolute units

- px
- (pt)
- (pc)

Relative units

- em
- rem
- %
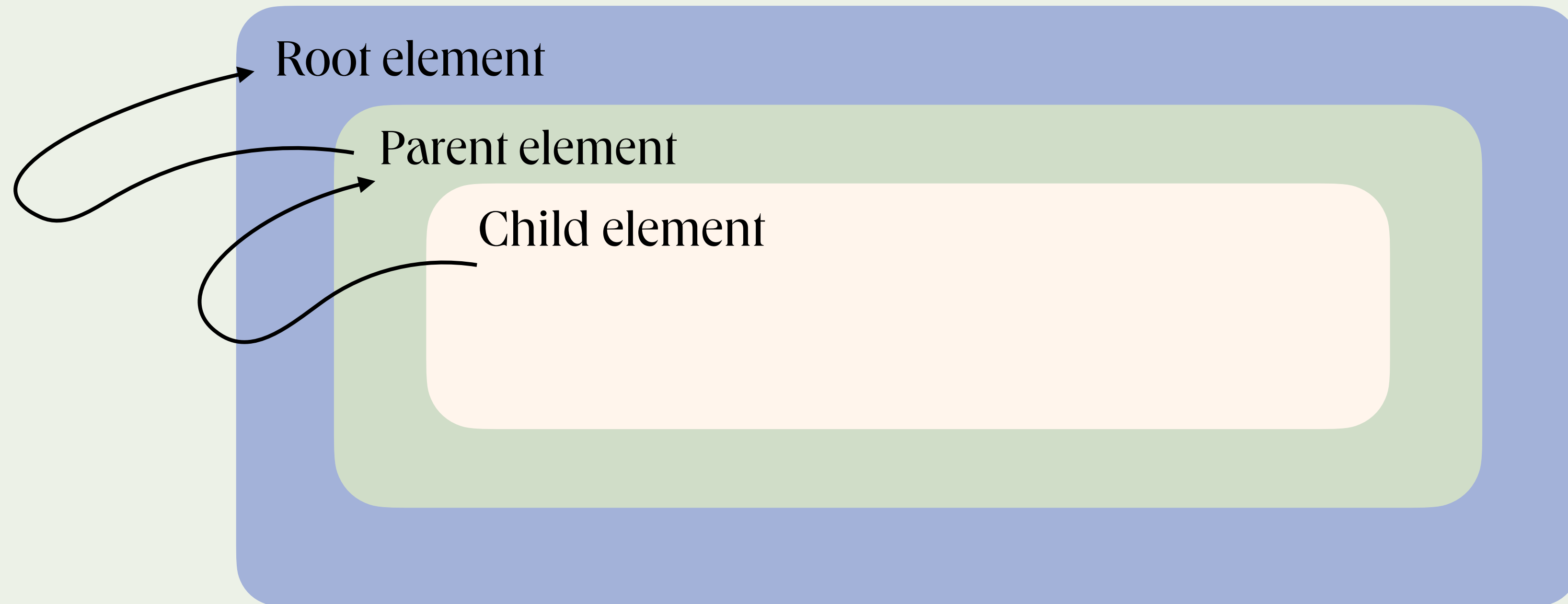- vw/vh

CSS-Units: em/rem

em:

An em is a unit of measurement in the field of typography, equal to the currently specified point size. The name of em is related to M. Originally the unit was derived from the width of the capital "M" in the given typeface.
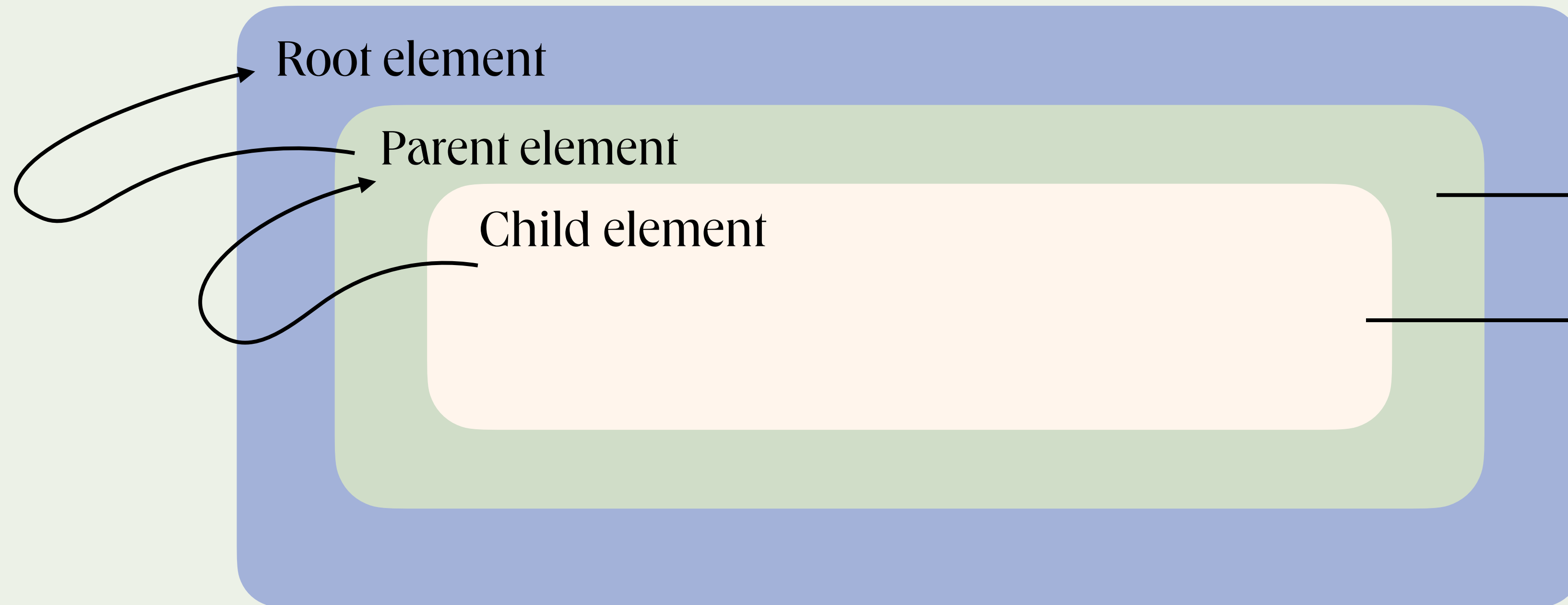
CSS-Units: em/rem

rem:
Root-em, refers to root font size of browser.

CSS-Units: em

Root element

Parent element

Child element

1 em is always in relation to the font-size of it's parent element.

CSS-Units: em

Root element

Parent element

Child element

```
.parent {
  width: 10em; /* 160px */
  font-size: 0.75em; /* 12px */
}
```
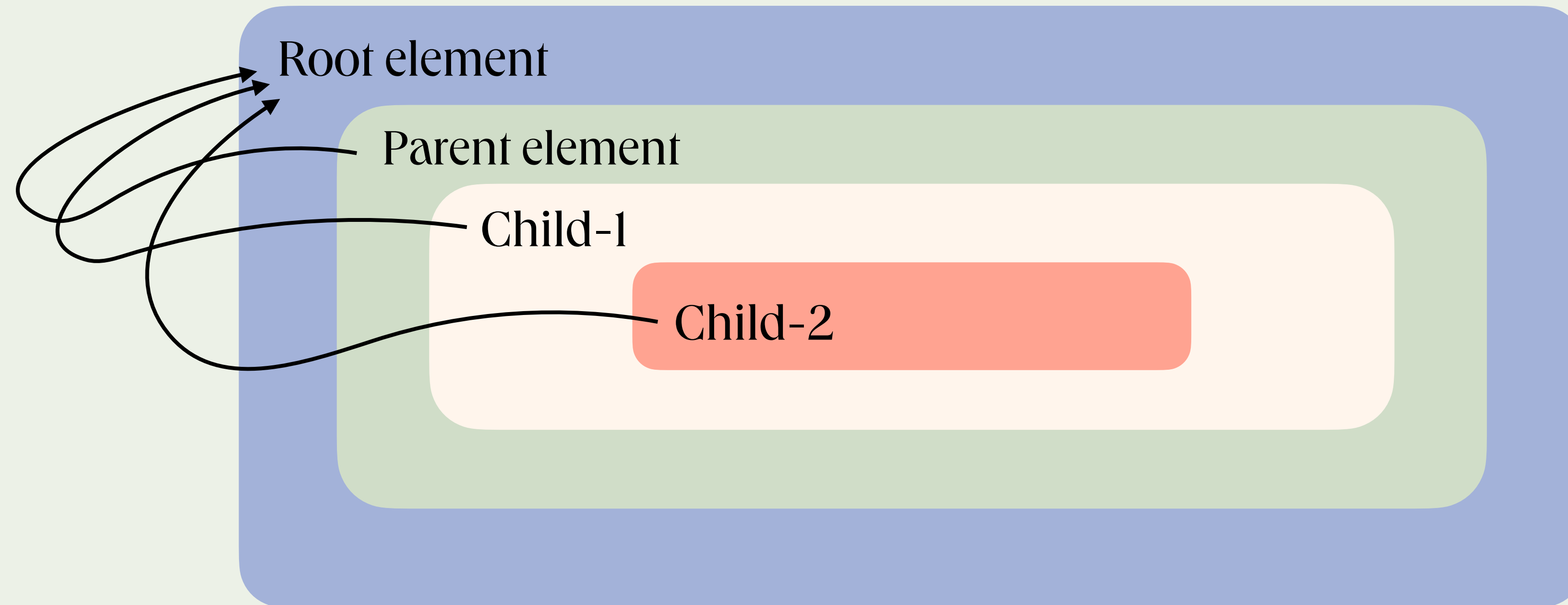
```
.child {
  width: 10em; /* 120px */
  font-size: 0.75em; /* 9px */
}
```

Root: 16px (1em)
Parent: 0.75em → 12px (0.75 * 16px)
Child: 0.75em → 9px (0.75 * 12px)

CSS-Units: rem

Root element

Parent element

Child-1

Child-2

Root: 16px (1em)
Parent: 0.75rem → 12px (0.75 * 16px)
Child-1: 0.75rem → 12px (0.75 * 16px)
Child-2: 2rem → 32px (2 * 16px)

Bits & Atoms II
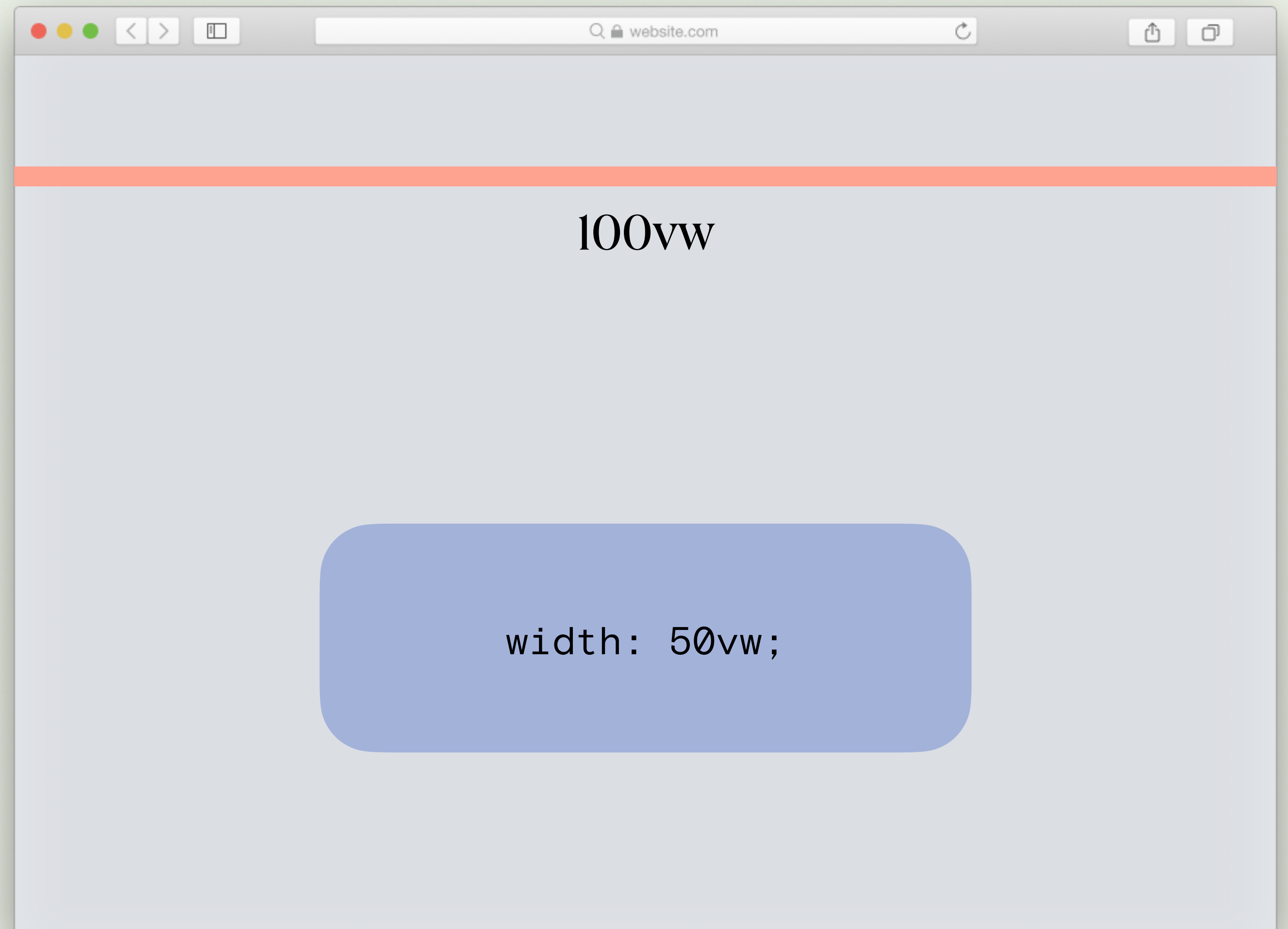
CSS-Units: *vw/vh*

vw:
viewport width

vh:
viewport height

Size in percent of visible part
of the browser (viewport).

CSS-Units: %

Percentage in relation to its parent element.

If you use a percentage for a `width` value, it will be a percentage of the `width` of the parent.

Viewport: 500px, body

```
width: 400px;

    width: 50%;
    /*=200px */
```

```
width: 60%;
/* 500px*0.6 = 300px */

        width: 50%;
        /* 500px*0.6*0.5 */
        /* = 150px */
```

HTML/CSS Exercices

When doing your homework. What was especially difficult? Should we have a look at specific topics?

JavaScript Exercices

- Quick exercises to solve individually. Afterwards discussion in class.
- Download starter kit:
  https://jones-s.github.io/web-dev-zhdk-2022/examples/12-exercises/12-exercises-download.zip