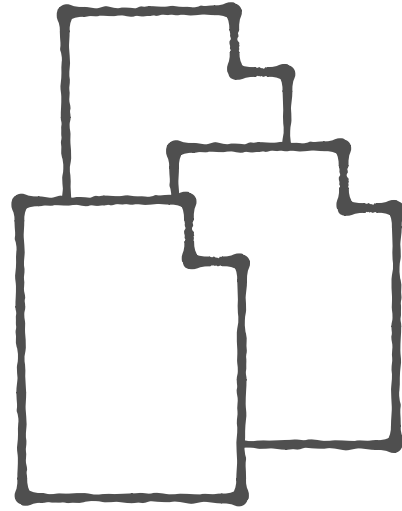
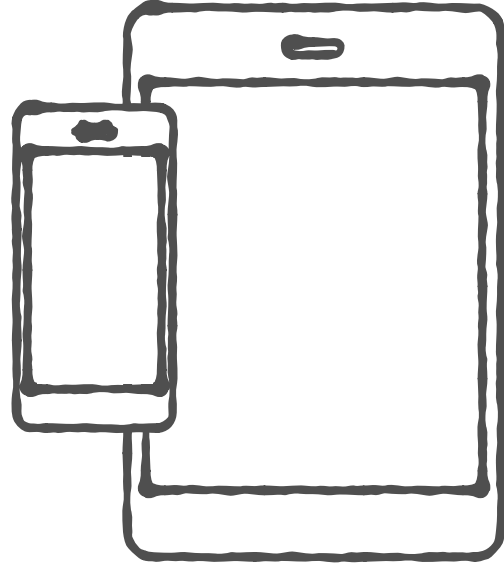
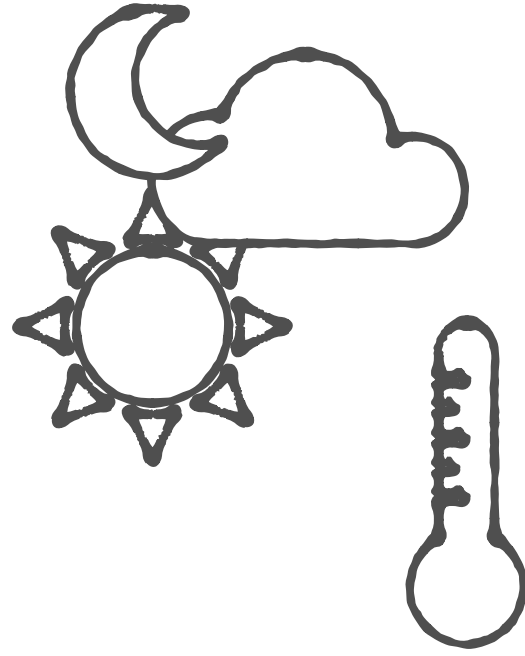
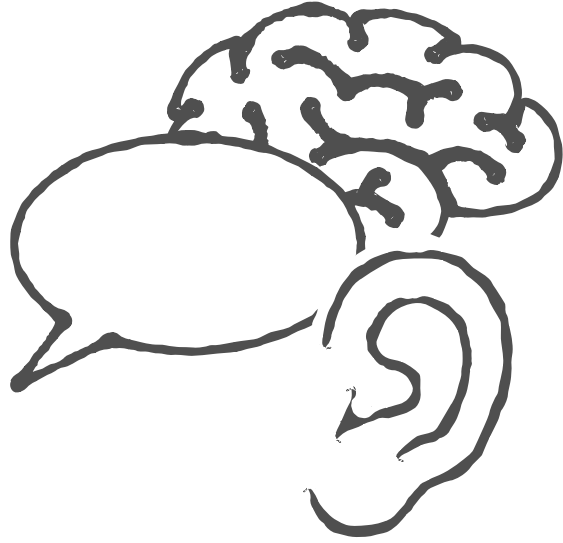
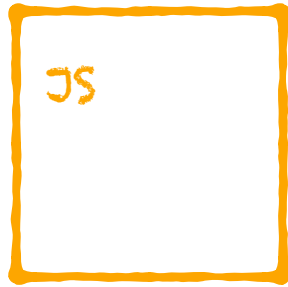
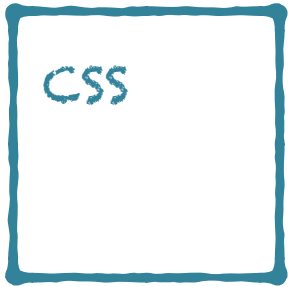


HTML

CSS

JS



# WHAT IS A DOM?

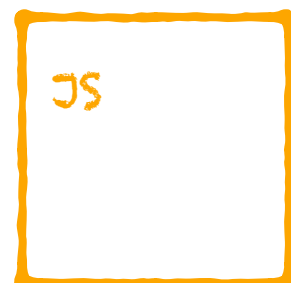
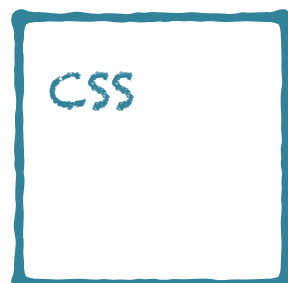
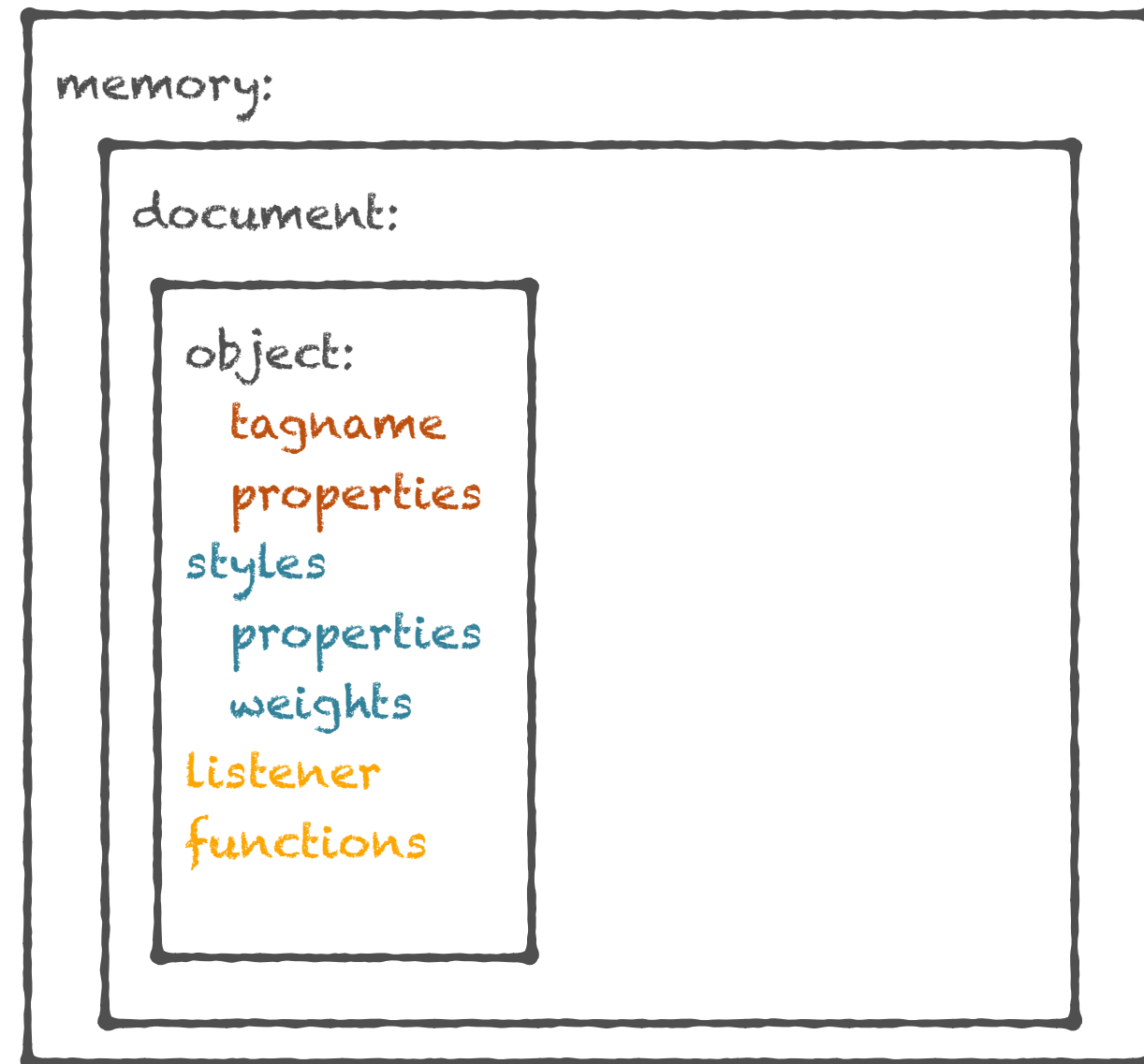
Treffen sich 3 Sprachen  
im Browser.

- Struktur
- Aussehen
- Funktion

HTML

CSS

JS



## CATEGORIZE

- Layout Rules
- Module Rules
- State Rules
- Theme Rules
- Changing State

## LAYOUT

- Anordnung
- Größe
- Position
- Flow Verhalten

## THEMA

- UI (Gestalt):
  - Typographie
  - Farbe
  - Linien
  - Flächen
- UX (Erlebnis):
  - Zeit
  - Veränderung
  - Verhalten

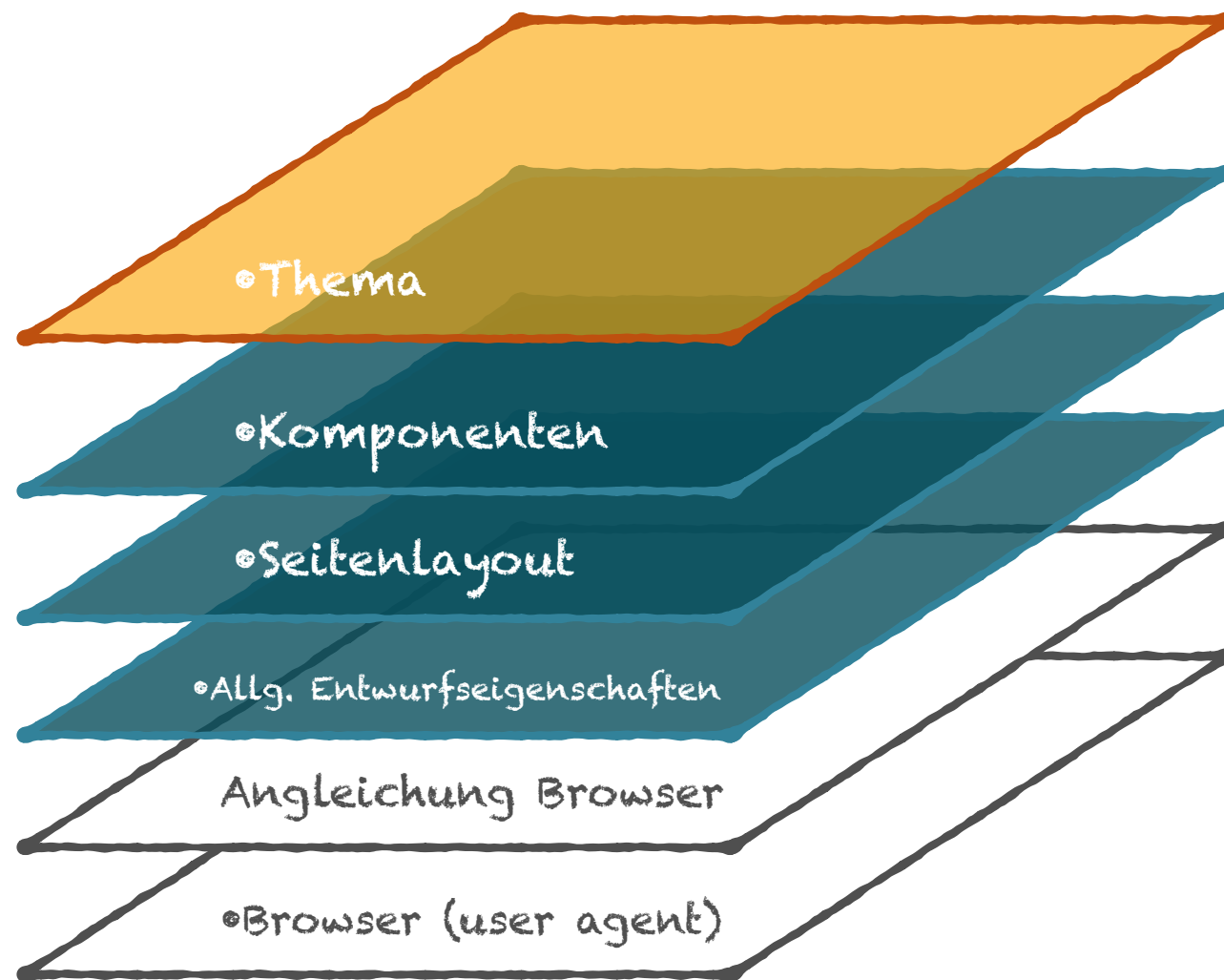
## STATES

- Technisch:
  - :pseudo
  - onevent.otherClass
  - media query
  - media attribute
- Signaletisch:
  - Meldung
  - Markierung
  - Information

## SEPARATION OF CONCERNS

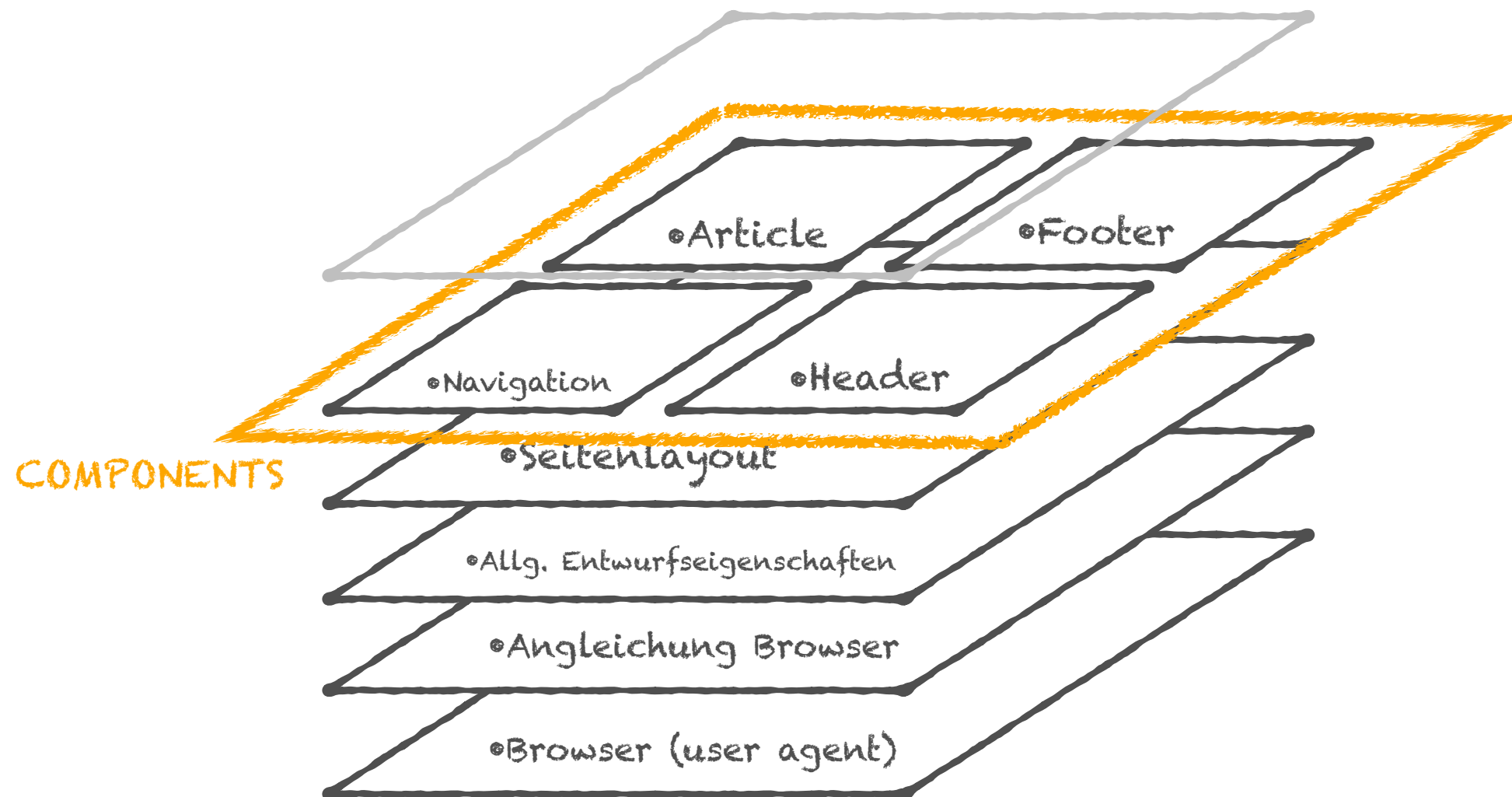
- Browser angleichen
- Applikation gestalten
- Gemeinsame  
Eigenschaften
- Komponenten-Level
- 
- Thema-Level

# CSS CASCADE

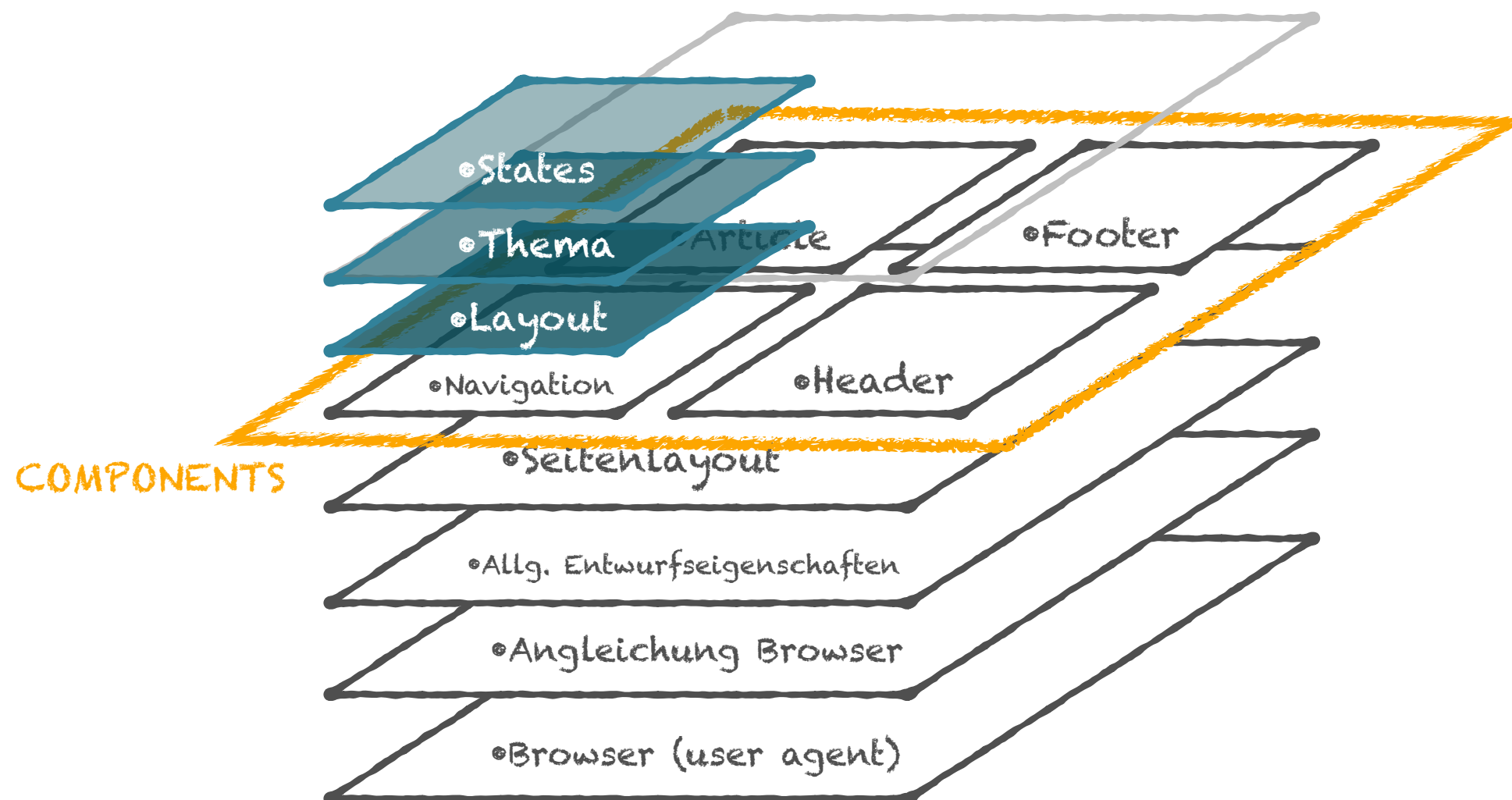




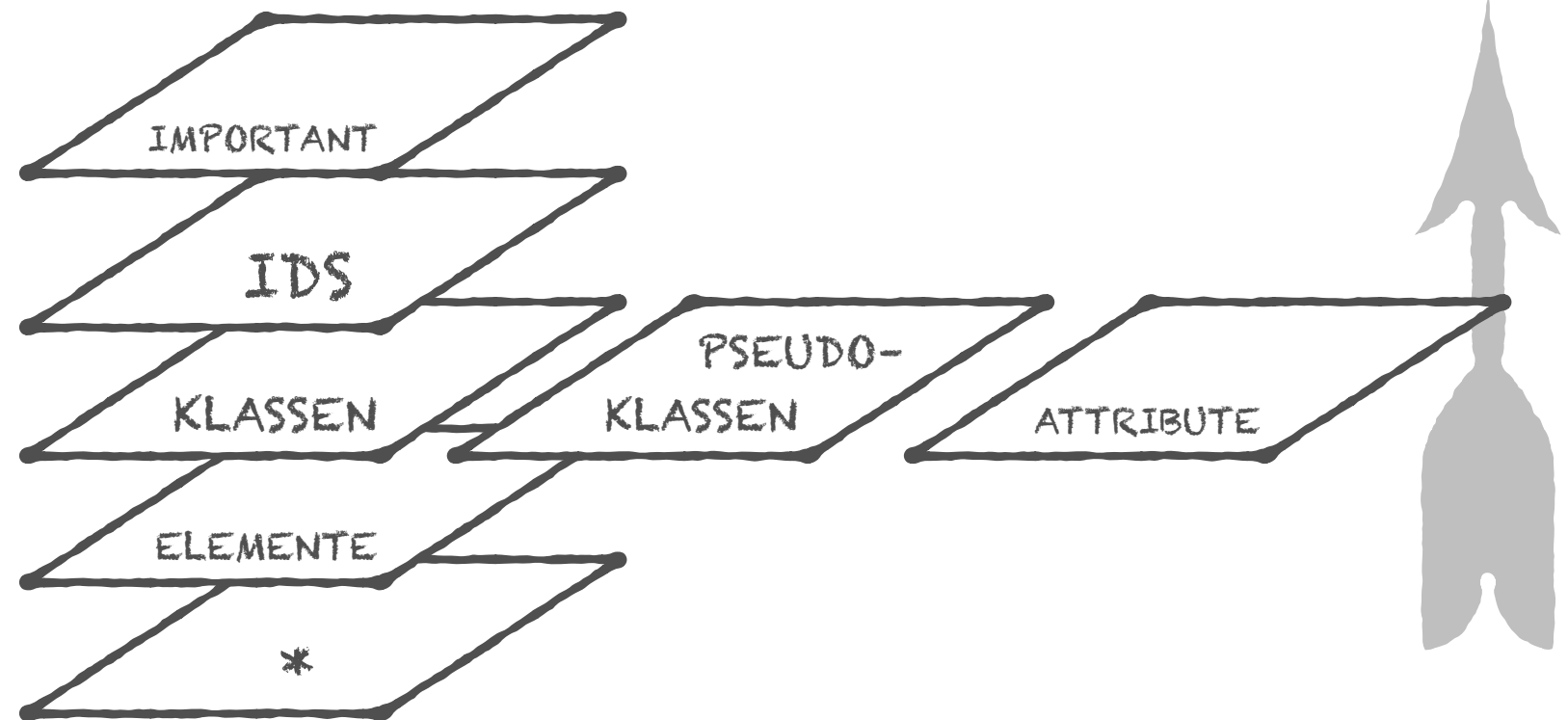
# CSS CASCADE

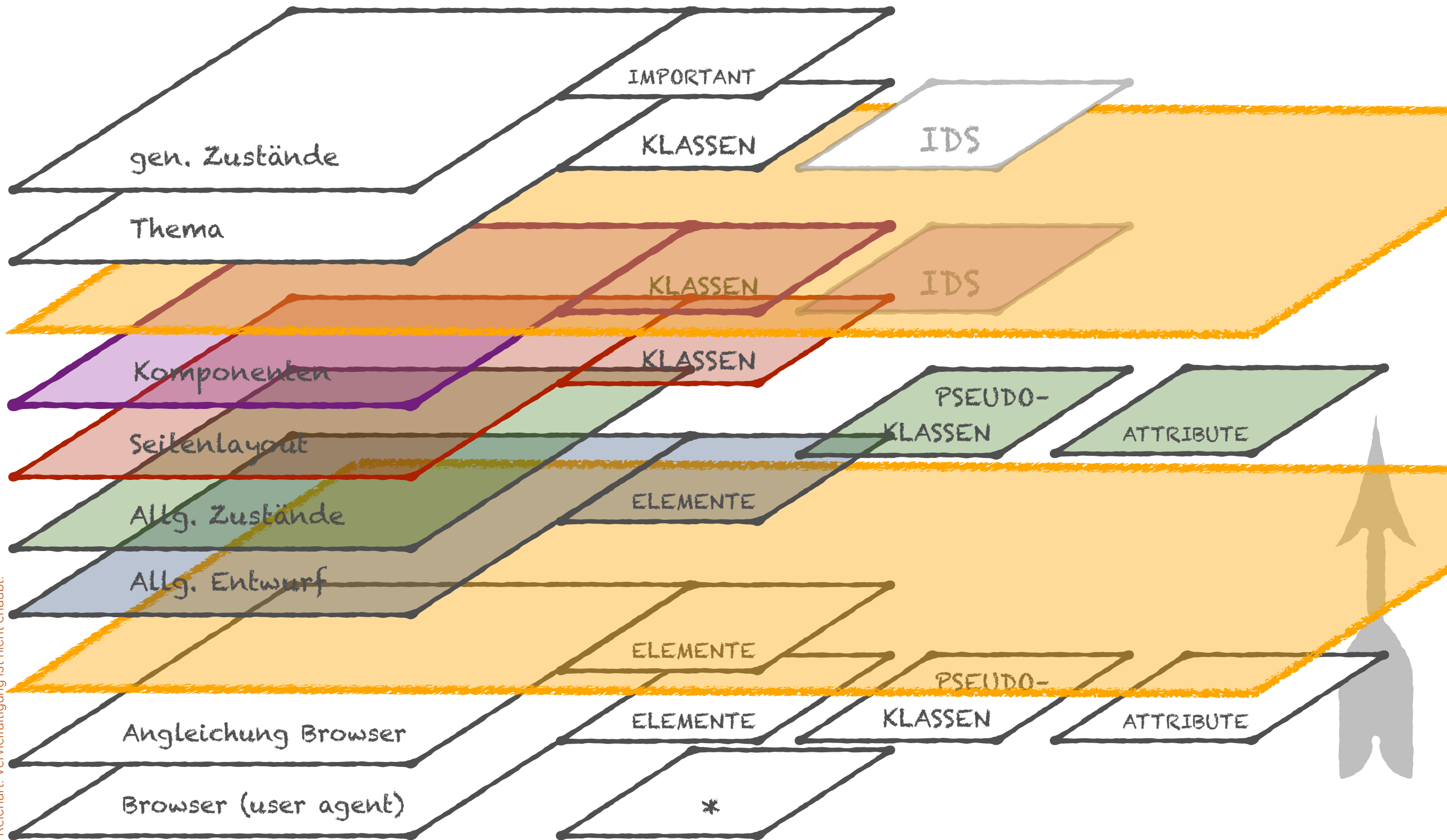


# CSS KASKADE



# CSS GEWICHTUNG





## LAYOUT

- Positionierung und Anzeige
- Größenangaben
- Abstände
- Grid Layout

## EIGENSCHAFTEN

- display: block, inline, inline-block, flex, grid
- position, z-index
- width, height
- margin, padding
- top, right, bottom, left
- clear, float
- clip, mask
- overflow, text-overflow, shape
- opacity, visibility

## RESPONSIVE

- media query: device only
- media attribute: additional properties  
i.e. min-width, orientation

## THEMA

- Hintergründe
- Rahmen und Schatten
- Schriftformatierung
- Abstände
- Textausrichtung
- Listen
- Tabellen

## EIGENSCHAFTEN

- background, gradients
- border, outline
- box
- color
- font, text
- text-overflow
- list, table
- caption
- transform
- perspective
- backface

## RESPONSIVE

- media query
- media attribute

## STATES

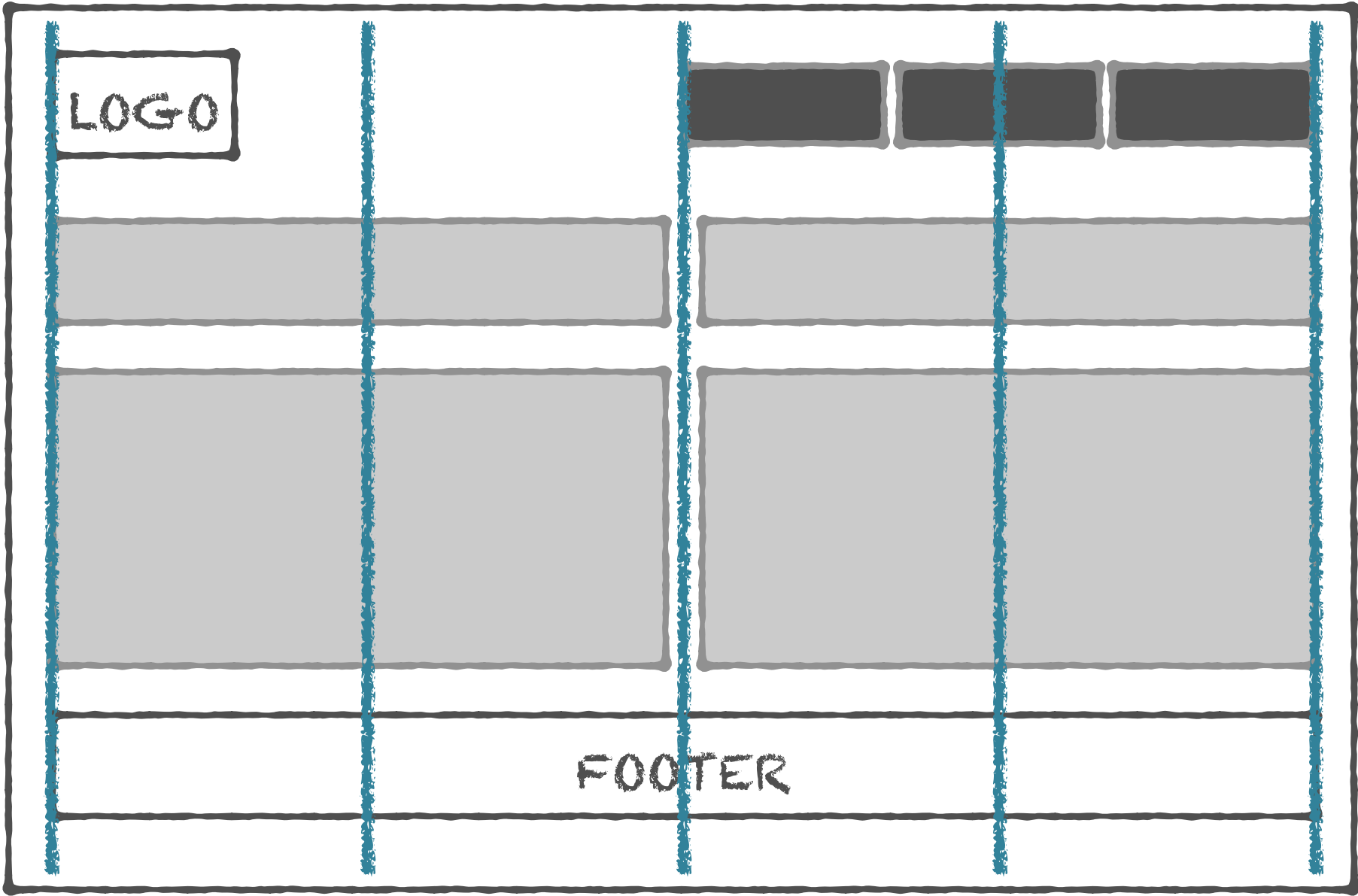
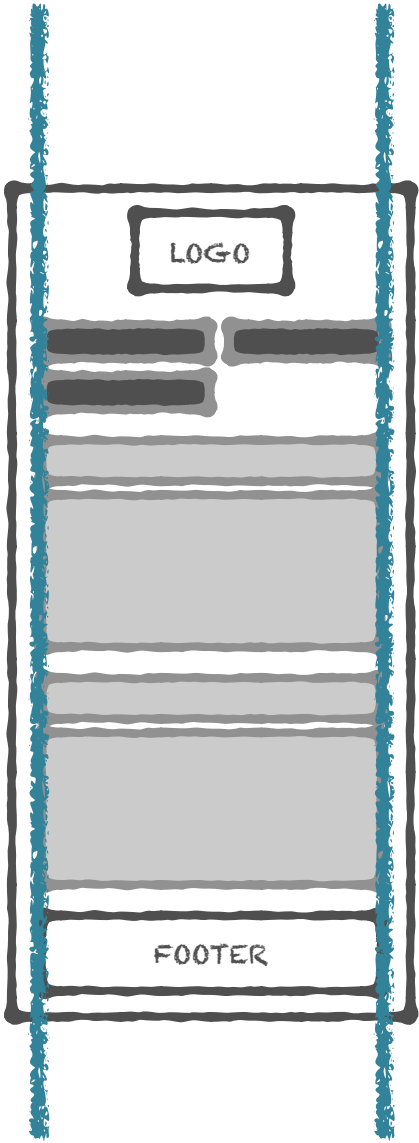
- Typographie
- Farbauszeichnung
- Übergänge

## EIGENSCHAFTEN

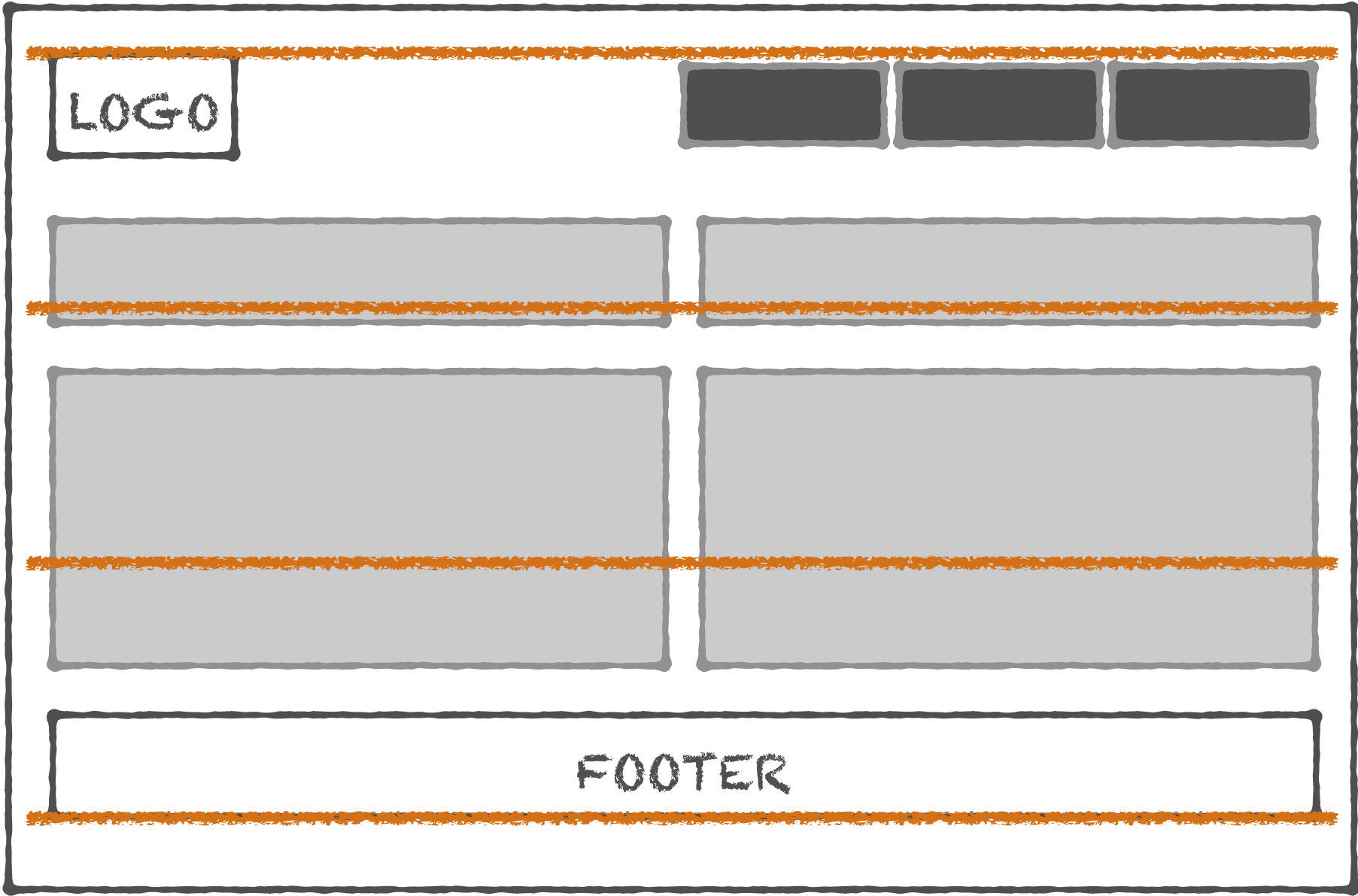
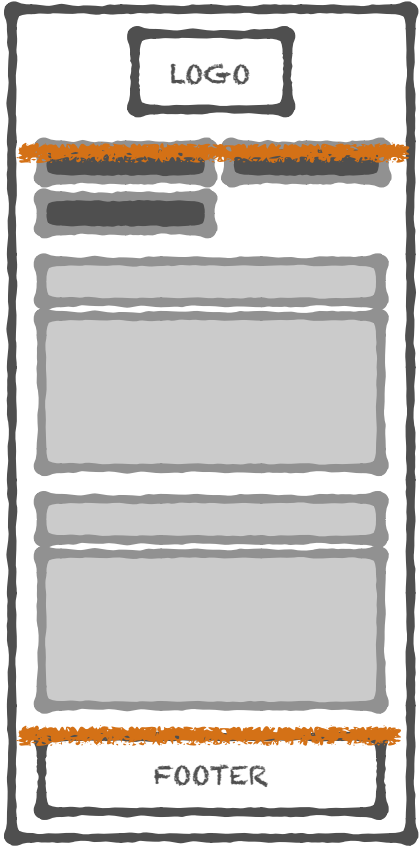
- font, text
- color, background
- transition
- animation
- offset

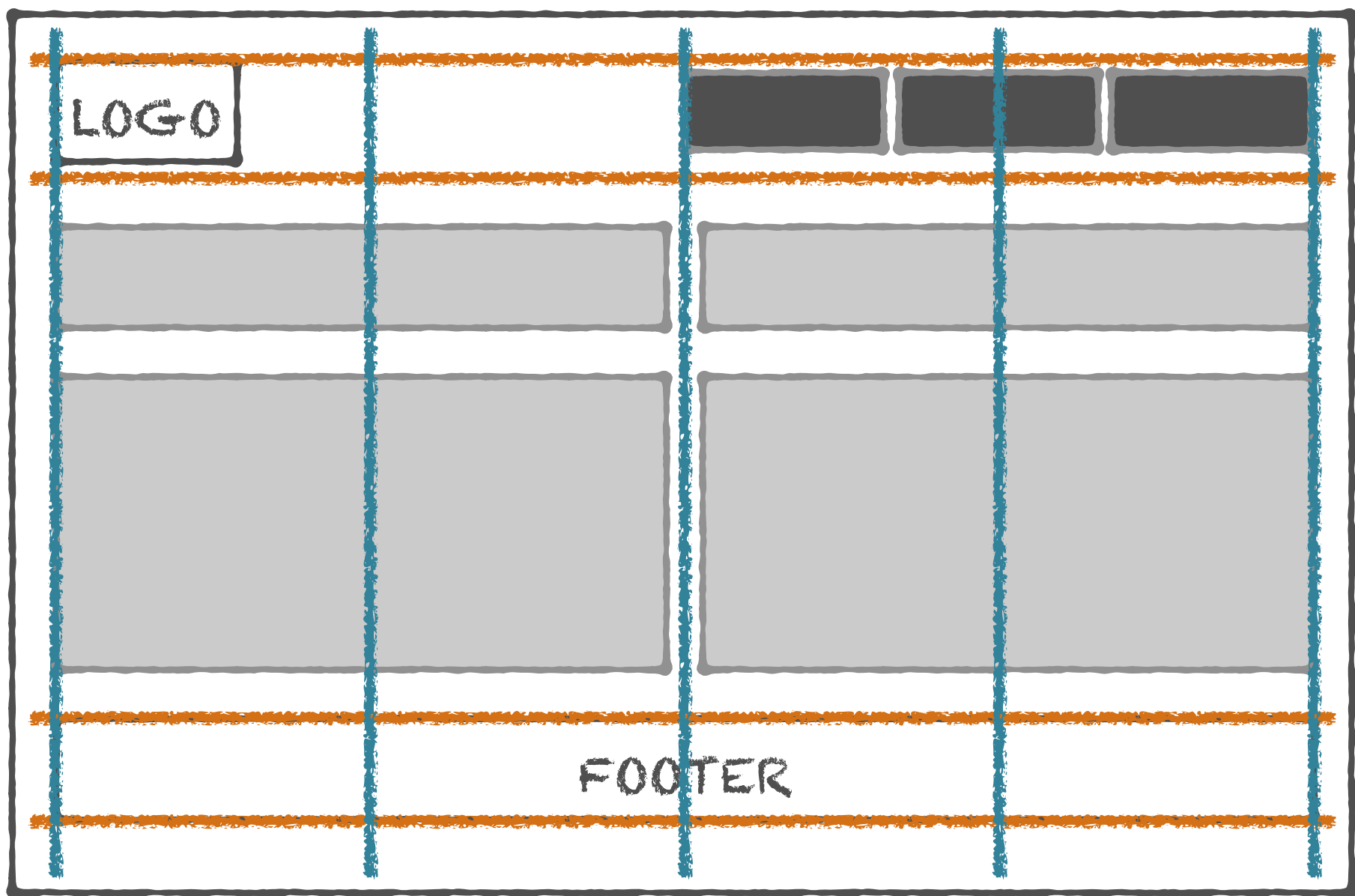
## RESPONSIVE

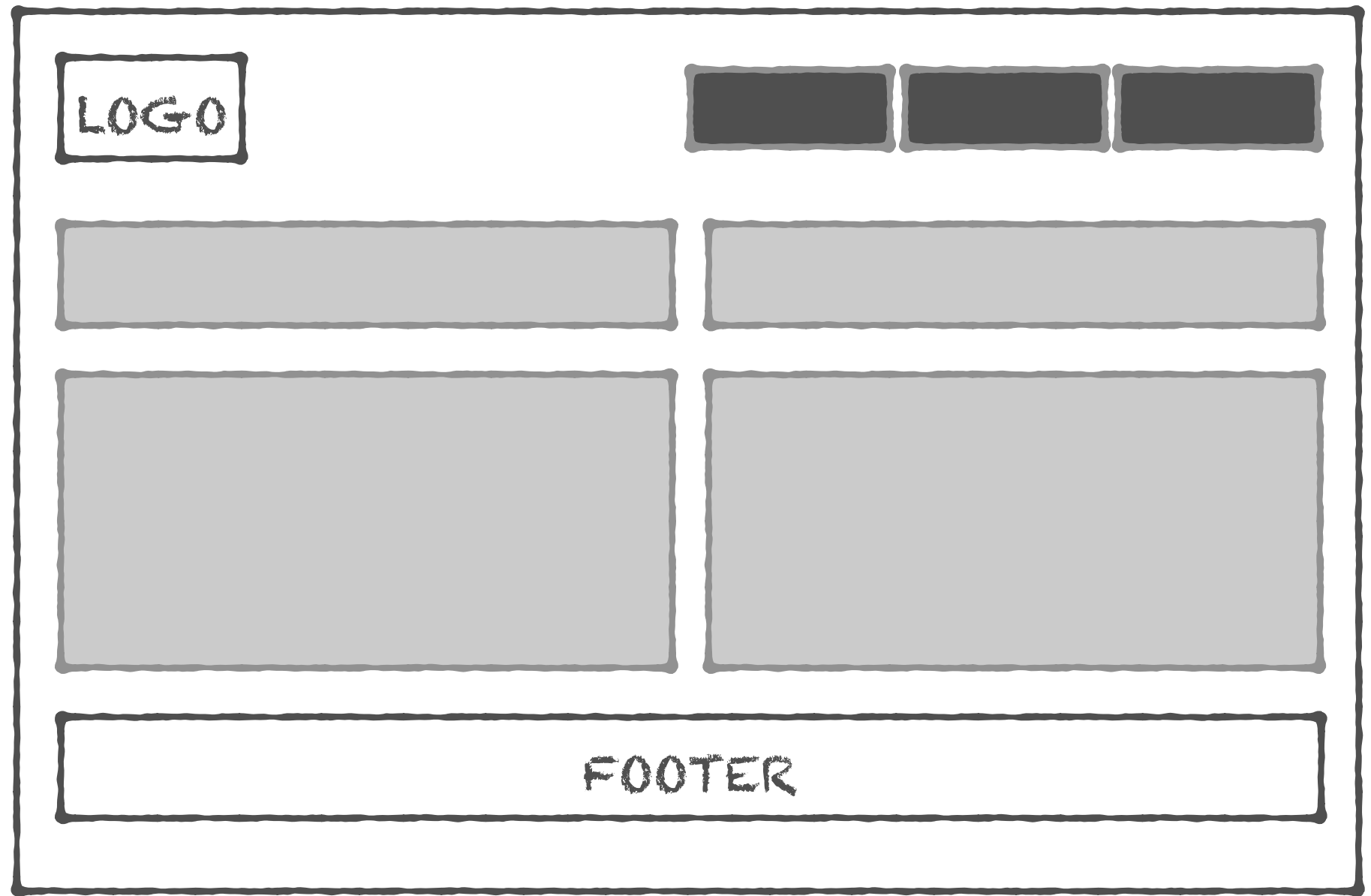
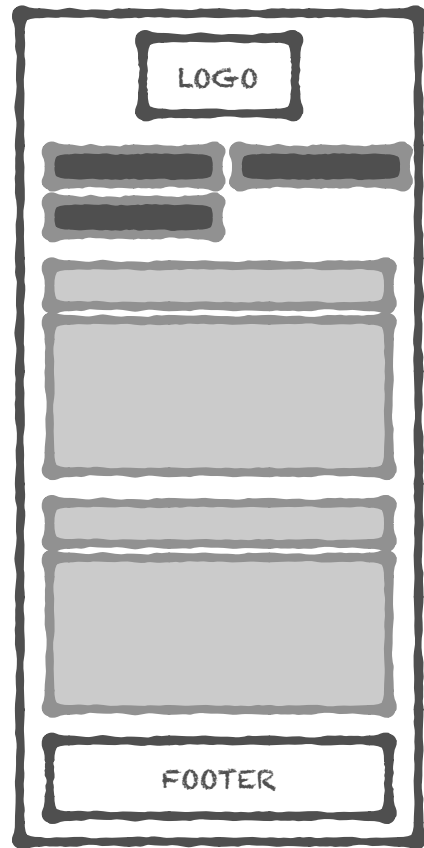
- media query
- media attribute

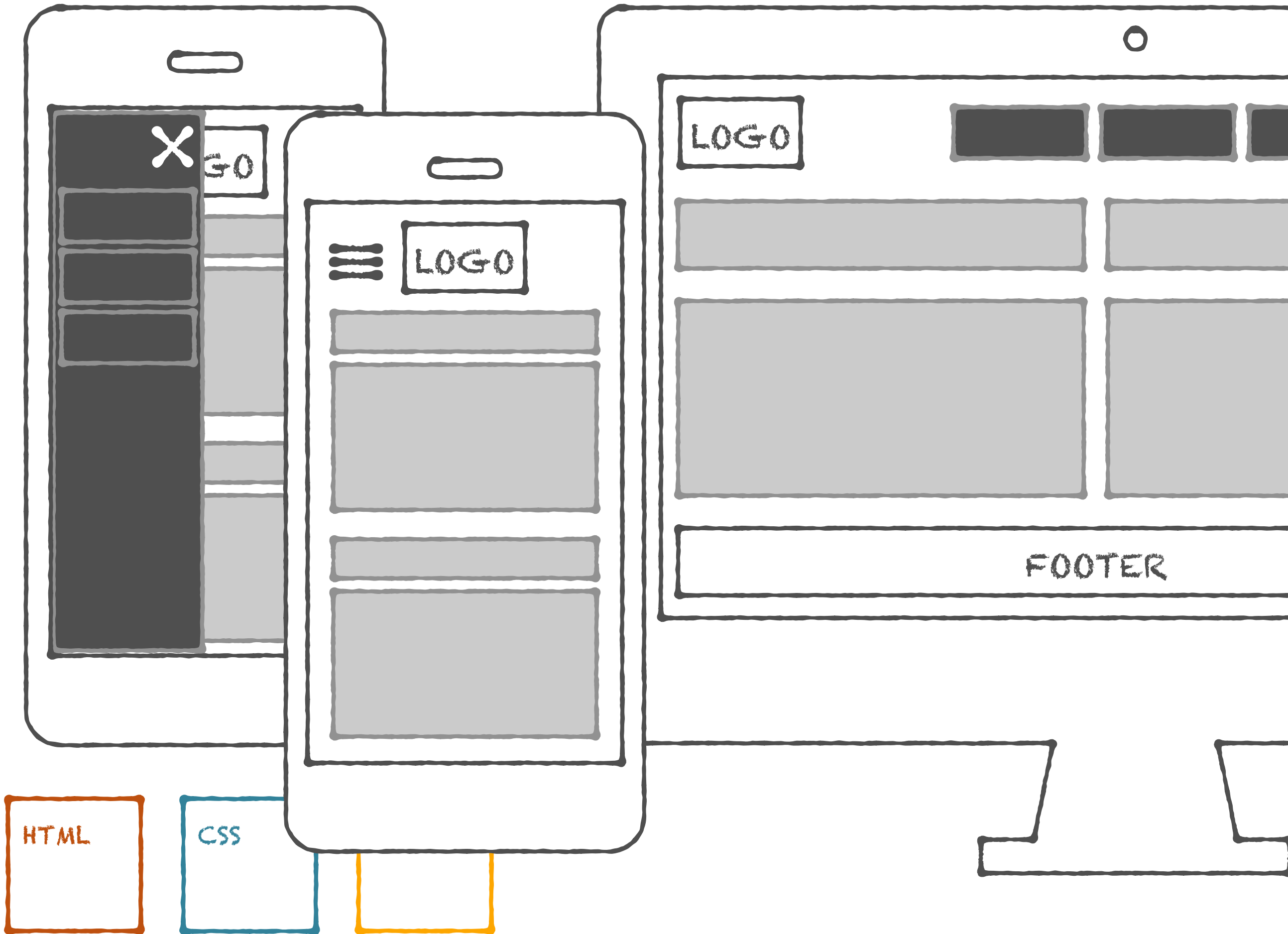


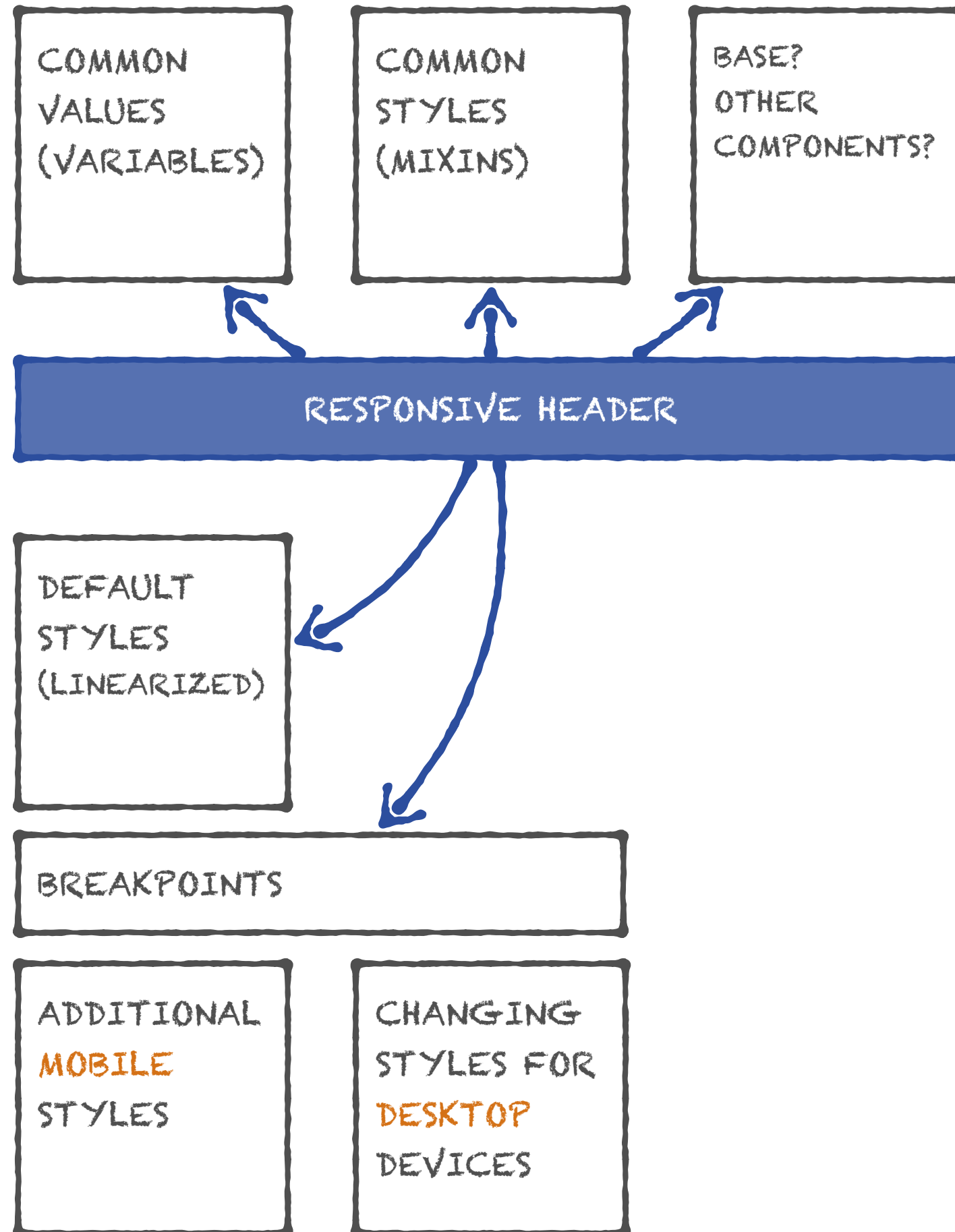




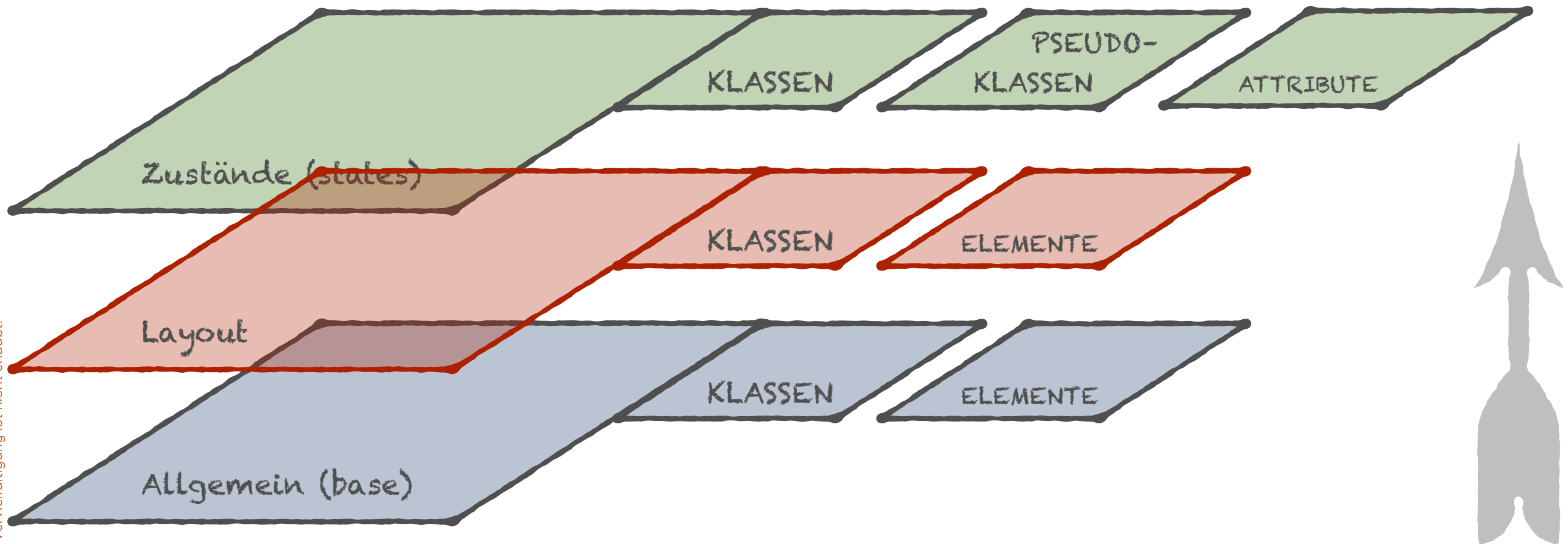








# AUFBAU DER KOMPONENTEN



## LAYOUT

FLOAT  
FLEXBOX  
GRID

## BEHAVIOUR

TRANSITION  
ANIMATION  
TRANS-  
FORMATION

## DESIGN PROPS

COLOR,  
GRADIENT  
MIX-BLEND-  
MODE

## BEST PRACTISE

WORKING  
WITH  
SHAPES

POINTER-  
EVENTS

CLIP, MASK,  
SHAPE

:PSEUDO-  
ELEMENTS

# RESPONSIVE STACK

DEFAULT

SCREEN

SMALL

LANDSCAPE PHONES, 576PX AND UP:  
@MEDIA (MIN-WIDTH: 576PX)

MEDIUM

TABLETS, 768PX AND UP  
@MEDIA (MIN-WIDTH: 768PX)

LARGE

DESKTOPS, 992PX AND UP:  
@MEDIA (MIN-WIDTH: 992PX)

EXTRA LARGE

LARGE DESKTOPS, 1200PX AND UP:  
@MEDIA (MIN-WIDTH: 1200PX)

RETINA

@MEDIA (-WEBKIT-MIN-DEVICE-PIXEL-RATIO: 2),  
(MIN-RESOLUTION: 192DPI)