How to Wiki?

Workshop at BFH European Meet-up

About Me

Name: Christian Kolland

Studying M.Sc. Bioinformatics in Frankfurt

Experience:

- Head of Wiki iGEM Frankfurt 2023
- Several project revolving around web design and implementation

DESIGN BASICS I LEARNED

INTRO TO HTML AND CSS

LIVE DEMO

CREATE YOUR OWN COMPONENTS

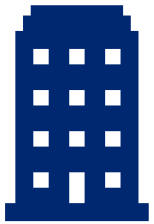
Our Agenda

Visual Studio Code

Design Basics

Colors

Why are Colors Important?



Colors are your branding
→ Recognition

Colors sent a message

Colors improve the design and feel of your website

https://elementor.com/blog/color-theory-web-design/

The Psychology behind Colors

Strong

Anger

Passion

Danger

Energetic

Love

https://www.colorpsychology.org/

The Psychology behind Colors

Professionalism

Fresh

Trust

Calm

Reliability

https://www.colorpsychology.org/

The Psychology behind Colors

Positive

Purity

Refreshing

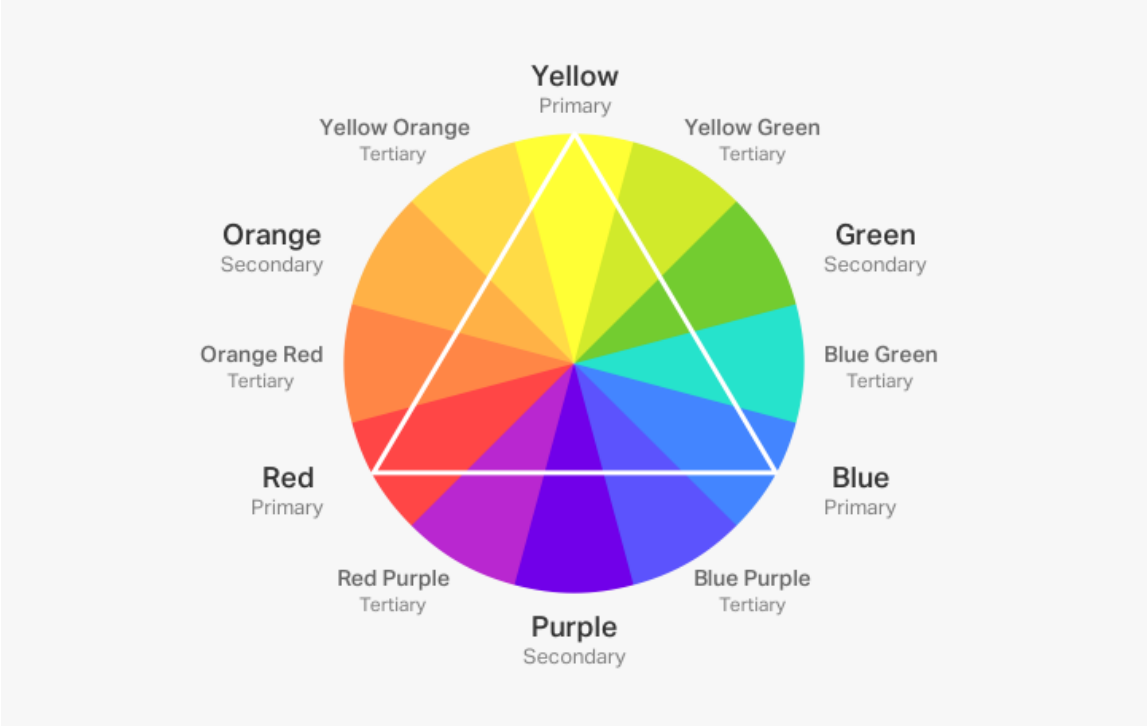
Health

Calm

Ecology

Nature

https://www.colorpsychology.org/

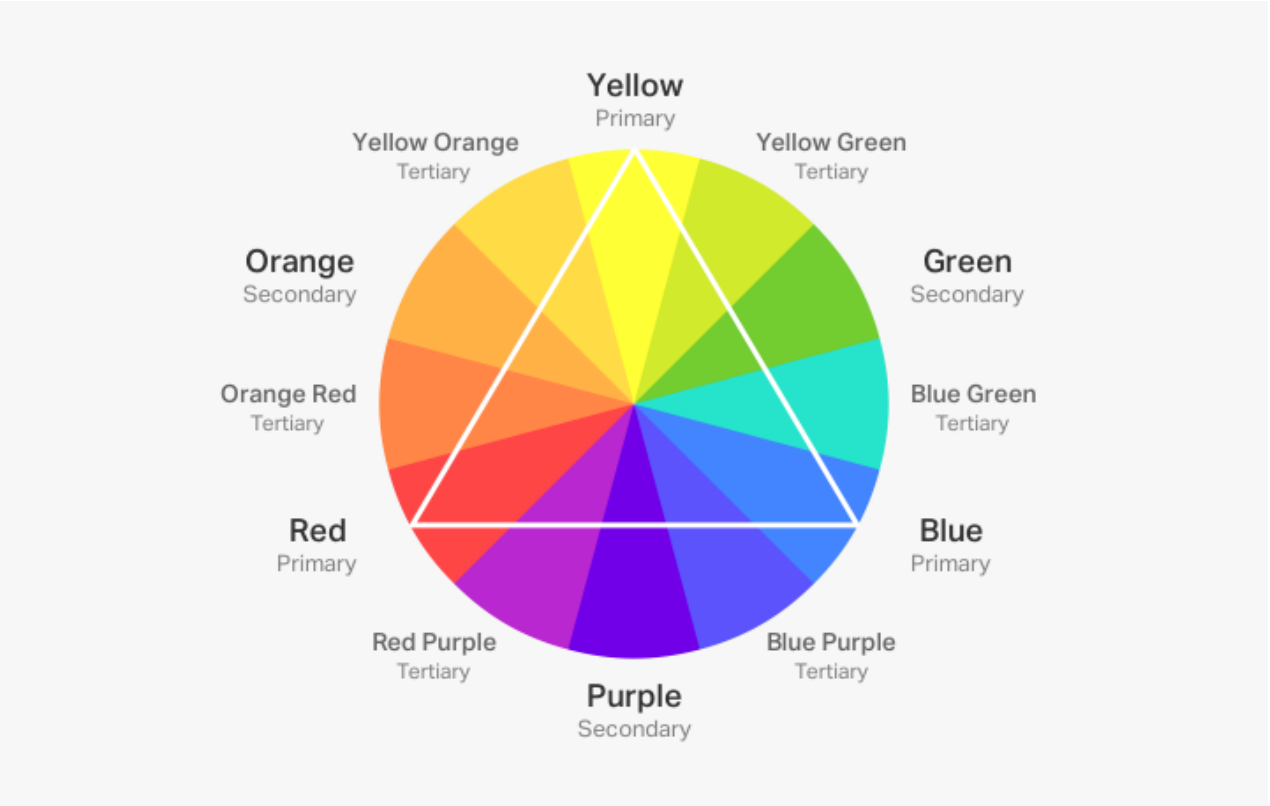


Color Theory

https://elementor.com/blog/color-theory-web-design/

Good Color Schemes

- Monochrome
- Complementary
- Analogous
- Triadic



https://elementor.com/blog/color-theory-web-design/

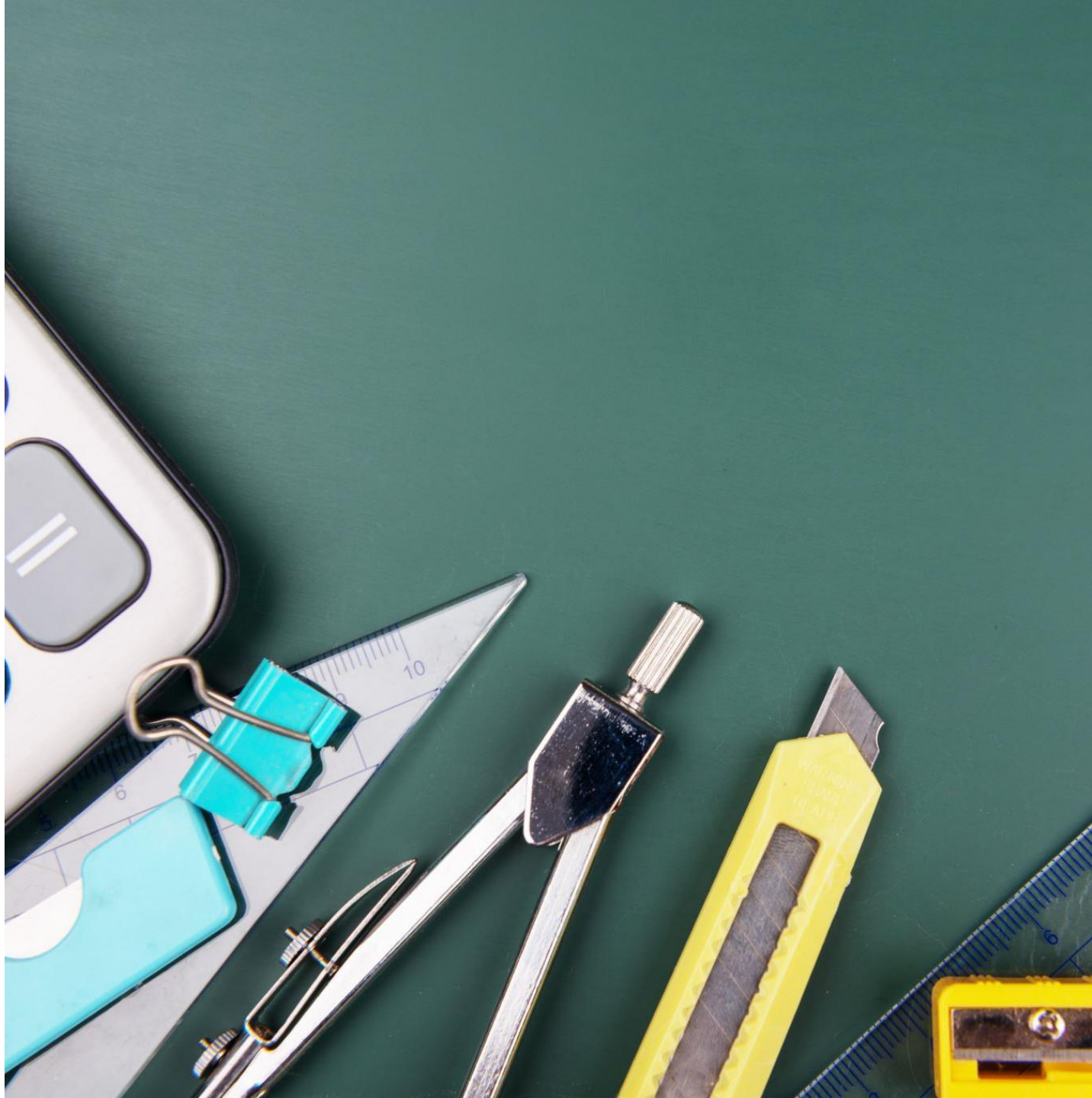
Useful Tools

Realtime Colors

https://www.realtimecolors.com

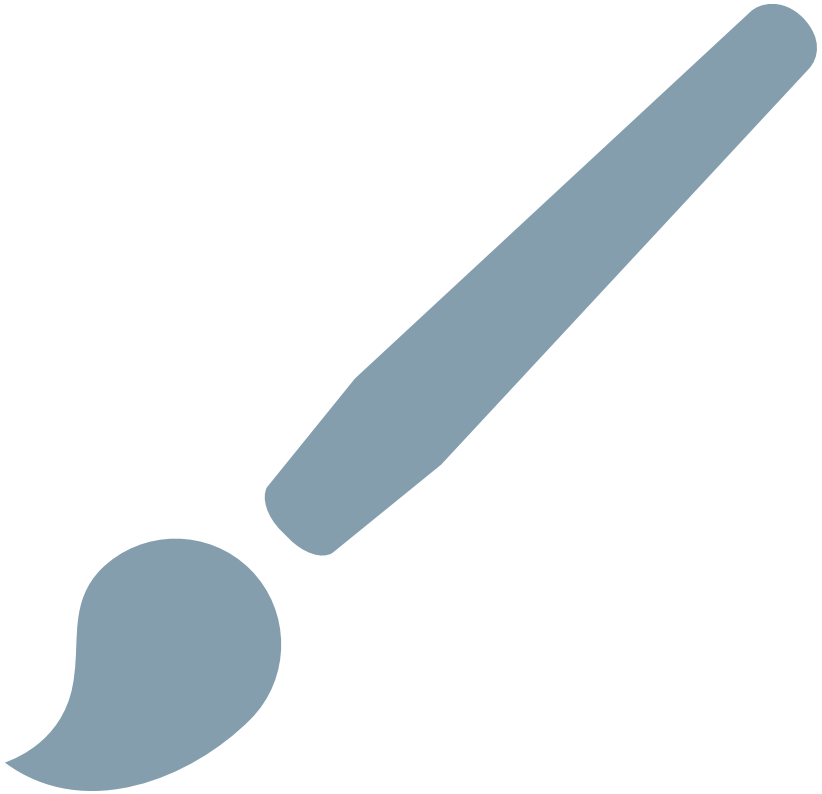
AI Colors

https://aicolors.co/



Design Basics

Typography



What is Typography?

The art of arranging type to make the written letters better readable and visually appealing

Typeface vs Font

A font is a **set** of **letters**, **numbers**,
and **symbols** that **share** the same **design** characteristics.

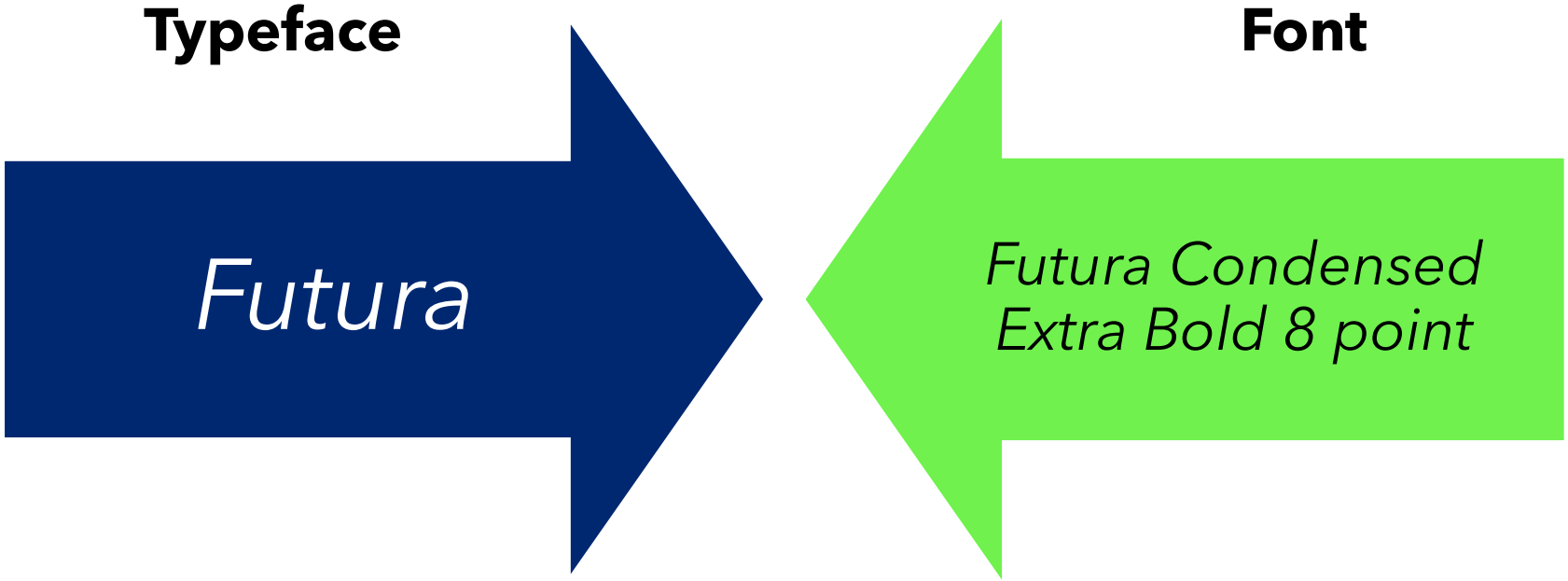
https://www.creativebloq.com/features/font-vs-typeface

Typeface vs Font

A typeface is a **collection** of **fonts** that **share** the same characteristics in **design**.

https://www.creativebloq.com/features/font-vs-typeface

Example



Thin

Light

Regular

Medium

Bold

Black

Font weights

The weight of a font describes the thickness of the stroke.

Fonts sizes

The size of the characters, letters, and symbols.

Rule of Thumb

1 Typeface

3 Weights

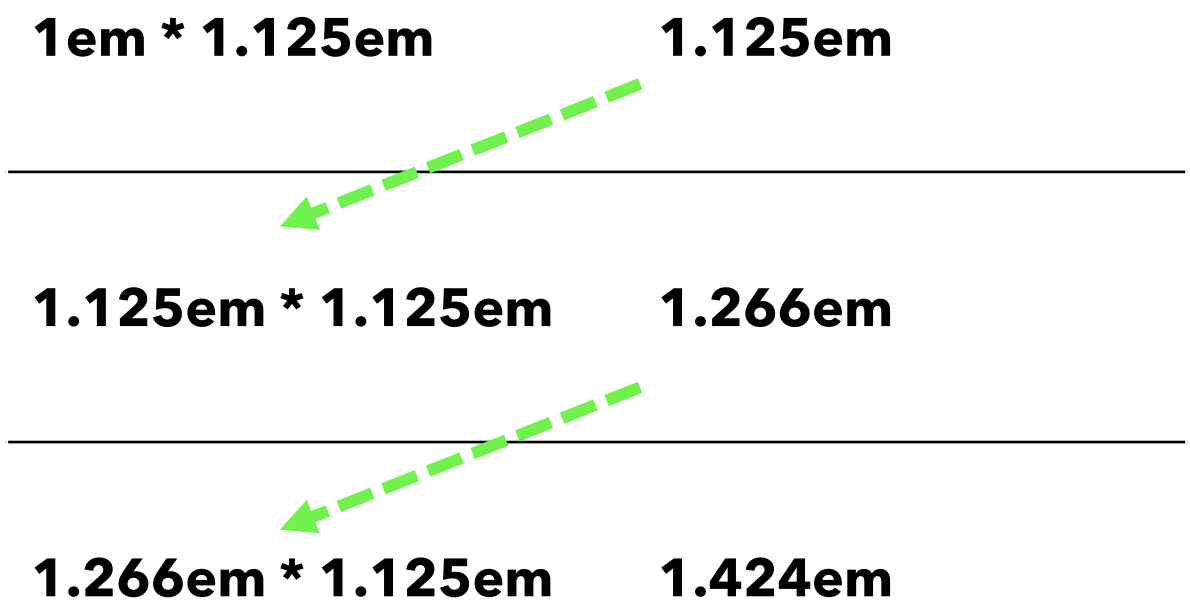
https://fonts.google.com/

https://www.youtube.com/watch?v=PRFpT79Y6dw&list=PLiUgErVQYQCpT3aUxqHTx-ie2oLBZlZ9v&index=2&t=384s

Size Hierarchy

Mainly for **headings**.

→ Multiply size with scaling factor



https://www.smashingmagazine.com/2016/05/fluid-typography/

Design Basics

Spacing

Why is Spacing Important?

Correct spacing creates an information flow

The user is directed by the flow in the correct way of the content without external help.

https://www.youtube.com/watch?v=9ElrcTtAxzA&list=PLiUgErVQYQCpT3aUxqHTx-ie2oLBZlZ9v&index=3&t=432s

3 Laws of Spacing

Every element is related to every other element

1

Some relationships are stronger than others

2

The stronger the relation, the closer the elements

3

https://www.youtube.com/watch?v=9ElrcTtAxzA&list=PLiUgErVQYQCpT3aUxqHTx-ie2oLBZlZ9v&index=3

Example

https://www.youtube.com/watch?v=9ElrcTtAxzA&list=PLiUgErVQYQCpT3aUxqHTx-ie2oLBZlZ9v&index=3

II. Personnel

Our teams and how they're organized

Overview

Body text go brrrrr and then lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam eu turpis molestie, dictum est a, mattis tellus. Sed dignissim, metus nec fringilla accumsan, risus sem sollicitudin lacus, ut interdum tellus elit sed risus. Maecenas eget condimentum velit, sit amet feugi lectus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos.

Quick Contacts

By department

Operations Sales **Marketing** IT Design Engineering

Leadership

Key people to contact for macro-level questions

Name	Title	Email	Phone
John Smith	CMO	jsmith@company.com	(555) 555-5555
Jane Hudson	Director, Paid Growth	jhudson@company.com	(555) 555-5555
Ameer Hernandez	Director, Organic Growth	ahernandez2@company.com	(555) 555-5555
Karim Roberts	Asst. Director, Social Media	kroberts@company.com	(555) 555-5555

Vendors

Contacts of account managers with our vendors

Vendor	Contact	Email	Phone
Mailchimp	Melinda Calderon	mcalderon@mailchimp.com	(555) 555-5555
Webflow	Miles Du Bois	mdubois@webflow.com	(555) 555-5555
AWS	Lee Nguyen	lnguyen@aws.amazon.com	(555) 555-5555

FAQ's

Frequently asked questions

"Am I required to attend daily stand-ups?"

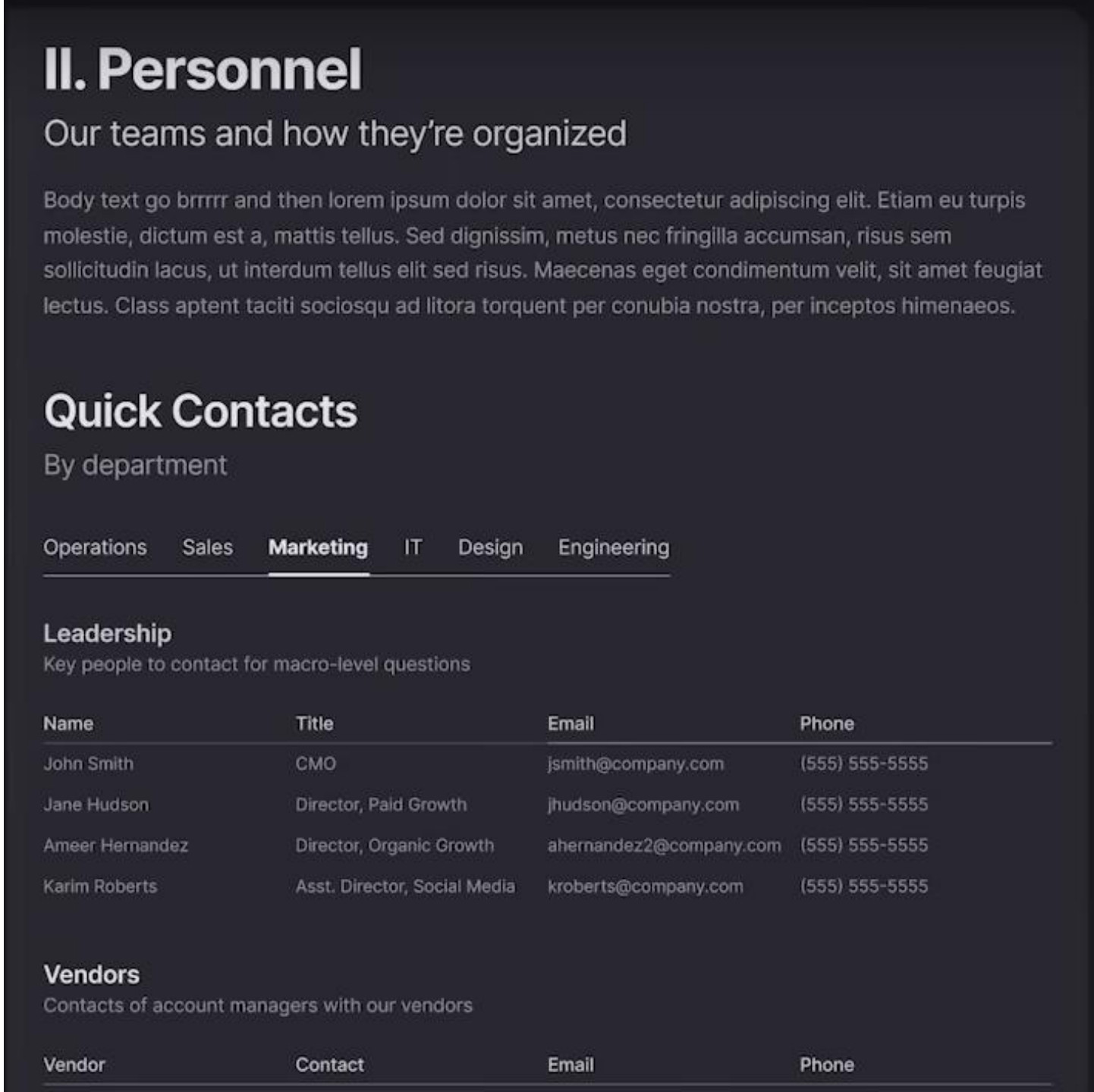
You are encouraged and requested to join, but you are not obligated. As a contractor, it is your right to determine and manage your own time.

"Can I work on my personal device?"

Firm data can only be accessed via company devices, but i you prefer your personal machine, please contact IT to hav us install a remote-access VPN you can use.

Example

https://www.youtube.com/watch?v=9ElrcTtAxzA&list=PLiUgErVQYQCpT3aUxqHTx-ie2oLBZlZ9v&index=3



HTML & CSS

Intro

What is HTML?

HTML → Hypertext Markup Language

Structure the content of web pages

Tags define different elements of the web page

\<article\>

\<figure\>

\<footer\>

\<header\>

\<main\>

\<nav\>

\<section\>

Important HTML Tags

Important HTML Tags

\<article\>	Defines independent, self-contained content
\<figure\>	Specifies self-contained content, like illustrations, diagrams, photos, code listings, etc.
\<footer\>	Defines a footer for a document or section
\<header\>	Specifies a header for a document or section
\<main\>	Specifies the main content of a document
\<nav\>	Defines navigation links
\<section\>	Defines a section in a document

Example

Spicy Cheesecake

Welcome to a culinary adventure that defies expectations and tantalizes taste buds! Get ready to embark on a journey of flavors with our sizzling Spicy Cheese combines the creamy indulgence of cheesecake with a fiery kick that will leave you craving more. Prepare to ignite your palate as creamy richness harmonizes sensations that dance on your tongue.

Ingredients

- 200g flour
- 75g sugar
- 75g magarine
- 1 egg
- 1/2 pack of soda
- 1 pack vinilla sugar
- 500g quark
- 1 chili

Instructions

Preheat your oven to 325°F (160°C) and grease a 9-inch springform pan. In a medium bowl, combine graham cracker crumbs, 1/4 cup granulated sugar, melte the bottom of the prepared pan evenly. In a large bowl, beat cream cheese and 1 cup granulated sugar until smooth. Add eggs one at a time, beating well afte cinnamon, nutmeg, ginger, and cayenne until fully combined. Pour the filling over the crust. Bake for 55-60 minutes until set. Turn off the oven, leave the chees completely. Refrigerate for at least 4 hours or overnight. Remove the sides of the pan, slice, and serve chilled. Adjust cayenne for desired spice level. Enjoy!

What is CSS?

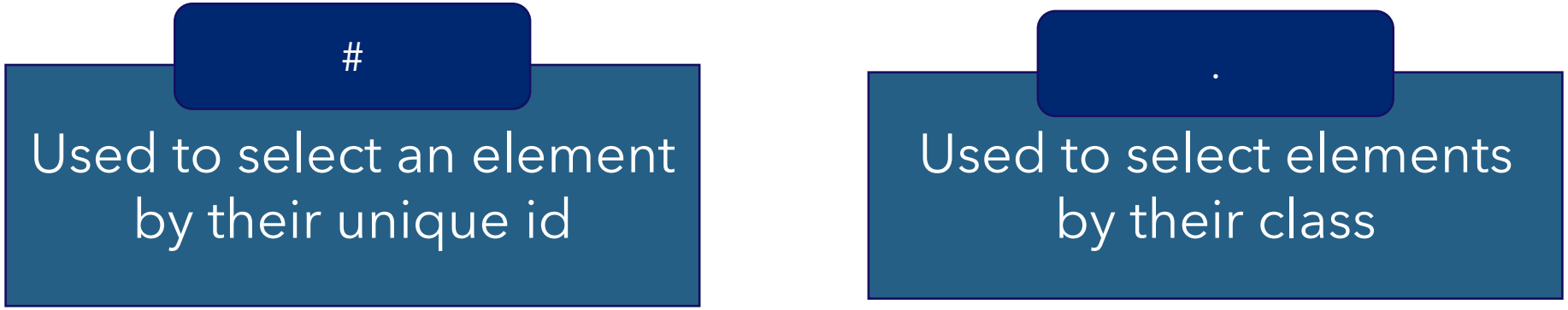
CSS → Cascading Style Sheets

Stylesheet language to change the visual styling of HTML

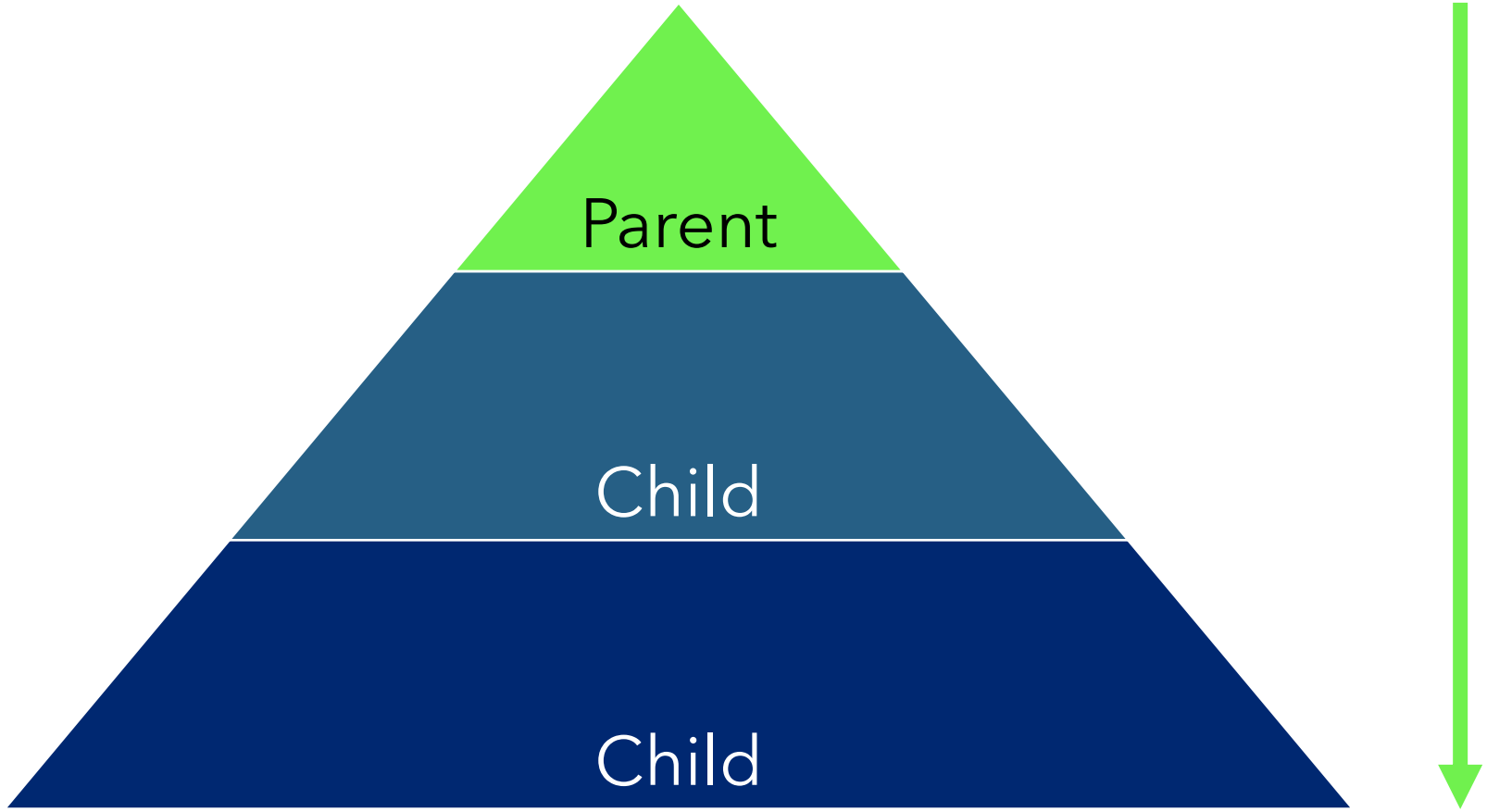
Applies rules using selectors

How Does It Work?

Selectors



How Does It Work?



Responsive Design

Too much for today!

Live Demo

Tips and Tricks

- Design first (Figma → https://www.figma.com/)
- Unsplash for Images → https://unsplash.com/de

iGEM

- Design components first
- Split each site into separate section files
- Look at other wikis as inspiration

John Doe

CEO & Founder, Example

Harvard University

Contact

BFH EUROPEAN MEET-UP

in cooperation with iGEM teams of
Bielefeld, Frankfurt and Hamburg

Next Program Point:

Coffee Break

10.30 – 11.00 am, Seminar Room E0-222