

CSS – Modularization

The techniques to have better organized css-code-base

Agenda

- Modularization
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- Questions

Learning Objectives

- You know what modularization is?
- You know why to use modularization techniques?
- What is the mindset?
- You know some techniques
- You know the impact of it on the overall code quality



Modular CSS

Modularization

Keep everything grouped in a logical topic.

- Modularization
 - Breaking a system into simple reusable & manageable components
- Every component in a modularized system has only one reason to exist.
- And the same reason to be changed
- Try to use to separate
 - Code in topics (component)
 - Use separate files for each topic
 - Try to reduce your code
 - use classes
 - use css variables

Why

Keep everything green and clean.

- CSS can become quickly messy just like any other projects coded by any other language
- A big project should have some principles and guidelines
- You need to consider a team of programmers working on project together
- You have to understand your code after 6 months

Approaches

Keep an eye on the quality of your work.

- You need to have housekeeping as you code, before you code!
- Try to find common concepts in the code, promote them reusable component
- Start with the designing first
- Start with a design system
 - Define colors
 - Define fonts
 - Define layout
 - Define Components
- Always strive for quality

Techniques

How to achieve it.

- Use separate files for concepts or components
 - smacss
- Use @rules to import files
- Use a consistent naming convention (domain language, ubiquitous language)
- Use classes
- Create reusable components
- Use css variables

Questions