

CSS files already getting messy

- Finding if an element is styled?
- In this rule, is a property already set?
- Where do I add properties?

CSS Organization

We talked about approaches to class names:

- Semantic
- Utility First/Atomic

But what about the rules/declarations in the CSS files?

- What order to the rules?
- What order of properties within the rule?

Multiple Options

We simply do not know what is best

We only know what is worst:

- No organization

If your team has existing organization

- Follow that system

Otherwise, create/adopt a pattern

- I'll describe a few

Selectors

Selectors can be arranged in an order:

- Expected page order, OR
- Generic to specific, OR
- Sections (globals, header, menu, etc)

Comments for boundaries help `/* comment */`

Properties Within A CSS Rule

How are you ordering the list of declarations?

- Alphabetical
 - Pro: Easy to automate in a large team
 - Con: Low-value
 - Ex: `height` and `width` and `min-width` far apart
- By Purpose (My preferred)
 - Ex: Display/position/box model/color/text/etc
 - Decide which properties are which purpose
 - Separate by blank lines ("**paragraphs**")
 - **Programming is Communication**

My Preferred Organization: Selector order

- "sweeping" CSS first
 - `*` selectors, `body`, `html`
 - "resets"
 - Any common defaults (Ex: `p`, etc)
- General Page order for next selectors
 - Often BEM style (coming!)
 - Try to select based on class

My Preferred Organization: Properties

Within each CSS Rule:

- "Paragraphs" for different categories
- Position, display, box model, colors, typography

```
.card-link {  
  margin-top: auto;  
  padding: 0.5rem;  
  border: 1px solid black;  
  border-radius: 10px;  
  
  color: black;  
  background-color: lime;  
  
  font: inherit;  
  text-decoration: none;  
}
```

My preference is just a preference

- Different teams and projects make choices
 - System adds value through:
 - Consistency
 - Effectiveness of communication/finding
- No industry agreement on a "best"
- Course requires you have a consistent system
 - You pick what that system is
 - Per assignment, you can experiment

Enforcement

How do we make sure these conventions are followed?

- Automated tooling
- Code Reviews

Code Review

Most workplaces:

- Everyone has their code changes reviewed
- PR just like assignments

Unlike assignments:

- Less "is this correct?"
- More "Can we maintain this over time?"
 - Conventions checked here
- Some "Are there subtle bugs"

Warning: Expected you confirmed basic working!