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SCHMEDTMANN

# ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



@JONASSCHMEDTMAN

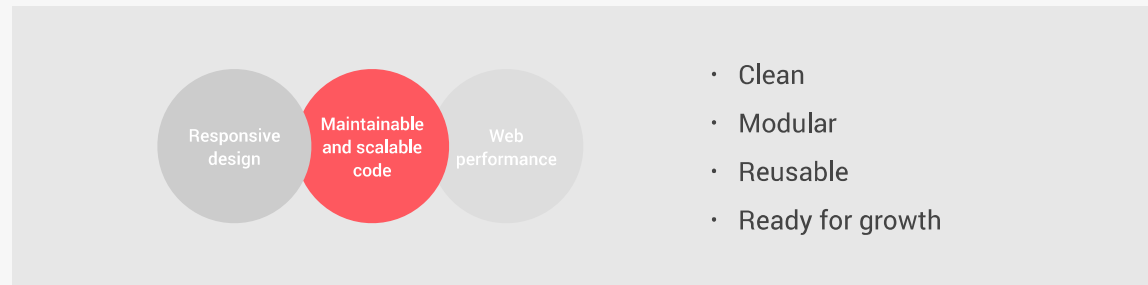
## SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

## LECTURE

CSS ARCHITECTURE, COMPONENTS AND BEM

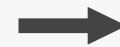
# THE THINK - BUILD - ARCHITECT MINDSET



THINK



BUILD



ARCHITECT

**Think** about the layout of your webpage or web app before writing code.

**Build** your layout in HTML and CSS with a consistent structure for naming classes.

Create a logical **architecture** for your CSS with files and folders.

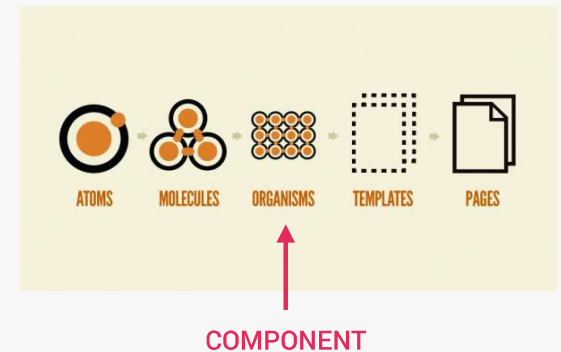
# THINKING ABOUT THE LAYOUT



## COMPONENT-DRIVEN DESIGN

- **Modular building blocks** that make up interfaces;
- Held together by the **layout** of the page;
- **Re-usable** across a project, and between different projects;
- **Independent**, allowing us to use them anywhere on the page.

## ATOMIC DESIGN



# BUILDING WITH MEANINGFUL CLASS NAMES

THINK



BUILD



ARCHITECT

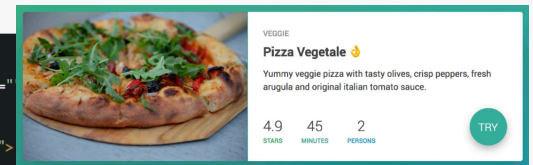
BEM

- **Block Element Modifier**
- **BLOCK**: standalone component that is meaningful on its own.
- **ELEMENT**: part of a block that has no standalone meaning.
- **MODIFIER**: a different version of a block or an element.

```
.block {}  
.block__element {}  
.block__element--modifier {}
```

Low-specificity BEM selectors

```
<figure class="recipe">  
  <div class="recipe_hero">  
    <img class="recipe_img" src=""/>  
  </div>  
  <div class="recipe_info">  
    <div class="recipe_category">  
      Veggie  
    </div>  
    <figcaption class="recipe_details">  
      <h2 class="recipe_title">Pizza Vegetale 🍕</h2>  
      <p class="recipe_description">  
        Yummy veggie pizza with tasty olives  
      </p>  
    </figcaption>  
    <div class="recipe_stats-box">  
      <div class="recipe_stat">  
        <span class="recipe_stat-value">4.9</span>  
        <span class="recipe_stat-name recipe_stat-name--1">Stars</span>  
      </div>  
      <div class="recipe_stat">  
        <span class="recipe_stat-value">45</span>  
        <span class="recipe_stat-name recipe_stat-name--2">Minutes</span>  
      </div>  
      <div class="recipe_stat">  
        <span class="recipe_stat-value">2</span>  
        <span class="recipe_stat-name recipe_stat-name--3">Persons</span>  
      </div>  
    </div>  
  </div>  
  <a class="recipe_btn btn btn--round" href="#">Try</a>  
</figure>
```



# ARCHITECTING WITH FILES AND FOLDERS



## THE 7-1 PATTERN

7 different folders for partial Sass files, and 1 main Sass file to import all other files into a compiled CSS stylesheet.

## THE 7 FOLDERS

- base/
- components/
- layout/
- pages/
- themes/
- abstracts/
- vendors/