

**SECTION 1 –
WELCOME, WELCOME,
WELCOME!**

TABLE OF CONTENTS: THEORY LECTURES (CLICK THE TITLES)

- 1 Three Pillars of Writing Good HTML and CSS (Never Forget Them!) →
- 2 How CSS Works Behind the Scenes: An Overview →
- 3 How CSS is Parsed, Part 1: The Cascade and Specificity →
- 4 How CSS is Parsed, Part 2: Value Processing →
- 5 How CSS is Parsed, Part 3: Inheritance →
- 6 How CSS Renders a Website: The Visual Formatting Model →
- 7 CSS Architecture, Components and BEM →
- 8 What is Sass? →
- 9 Review: Basic Principles of Responsive Design and Layout Types →
- 10 Mobile-first vs Desktop-first and Breakpoints →
- 11 An Overview of Responsive Images →
- 12 Why Flexbox: An Overview of the Philosophy Behind Flexbox →
- 13 Why CSS Grid: A Whole New Mindset →

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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SECTION

WELCOME, WELCOME, WELCOME!

LECTURE

WELCOME TO THE MOST ADVANCED CSS
COURSE EVER!

02

Natours Project – Setup and First Steps (Part 1)

03

How CSS Works: A Look Behind the Scenes

04

Introduction to Sass and NPM

05

Natours Project – Using Advanced CSS and Sass (Part 2)

06

Natours Project – Advanced Responsive Design (Part 3)

07

Trillo Project – Master Flexbox!

08

A Quick Introduction to CSS Grid Layouts

09

Nexter Project – Master CSS Grid Layouts!



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SECTION

WELCOME, WELCOME, WELCOME!

LECTURE

SETTING UP OUR TOOLS

**SECTION 2 –
NATOURS PROJECT
PART 1**



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NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

LECTURE

SECTION INTRO



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NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

LECTURE

PROJECT OVERVIEW

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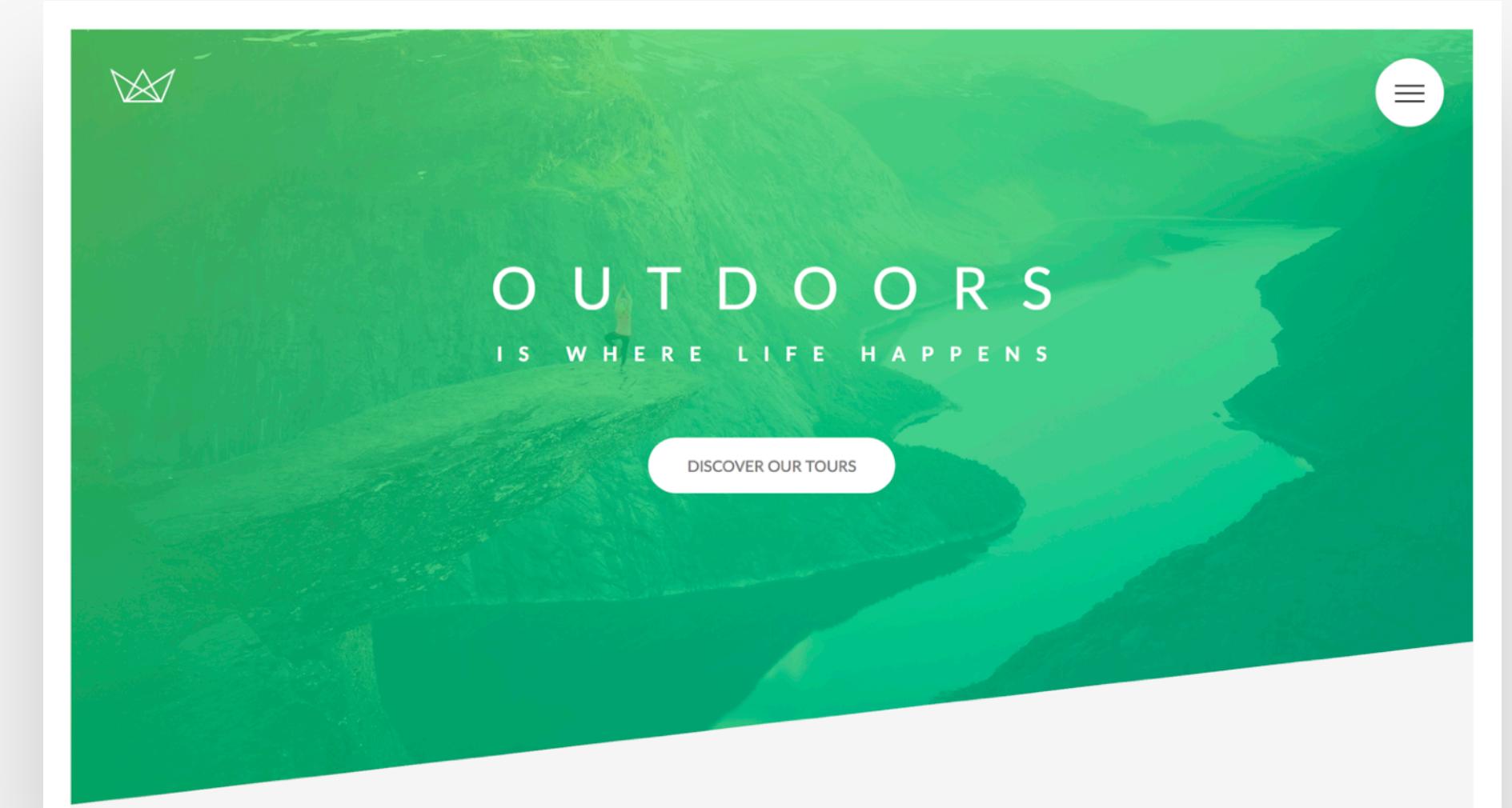
NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

LECTURE

BUILDING THE HEADER - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- The best way to perform a basic reset using the universal selector;
- How to set project-wide font definitions.
- How to clip parts of elements using clip-path.





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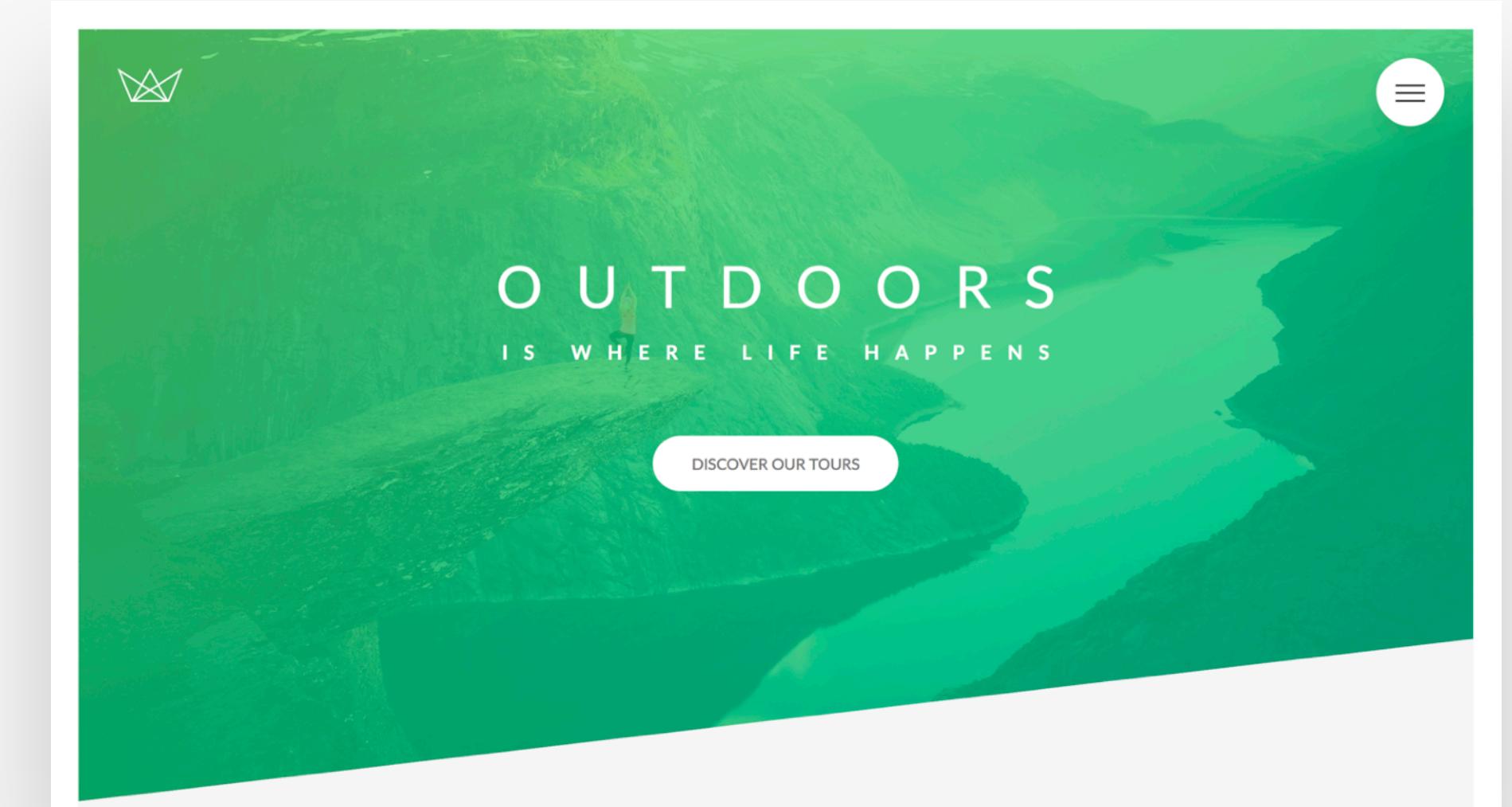
NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

LECTURE

BUILDING THE HEADER - PART 2

WHAT YOU WILL LEARN IN THIS LECTURE

- The easiest way to center anything with the transform, top and left properties.





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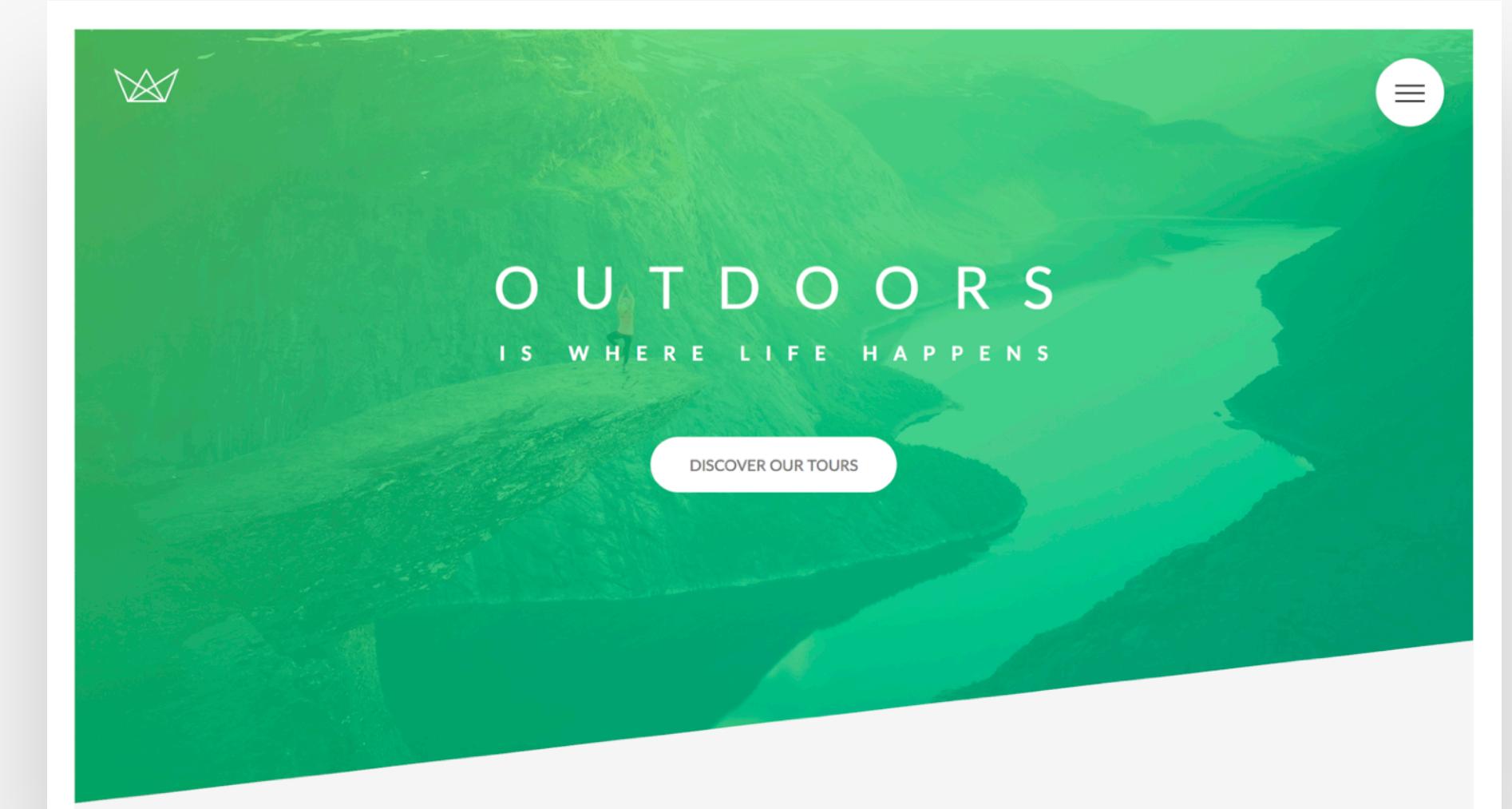
NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

LECTURE

CREATING COOL CSS ANIMATIONS

WHAT YOU WILL LEARN IN THIS LECTURE

- How to create CSS animations using @keyframes and the animation property.





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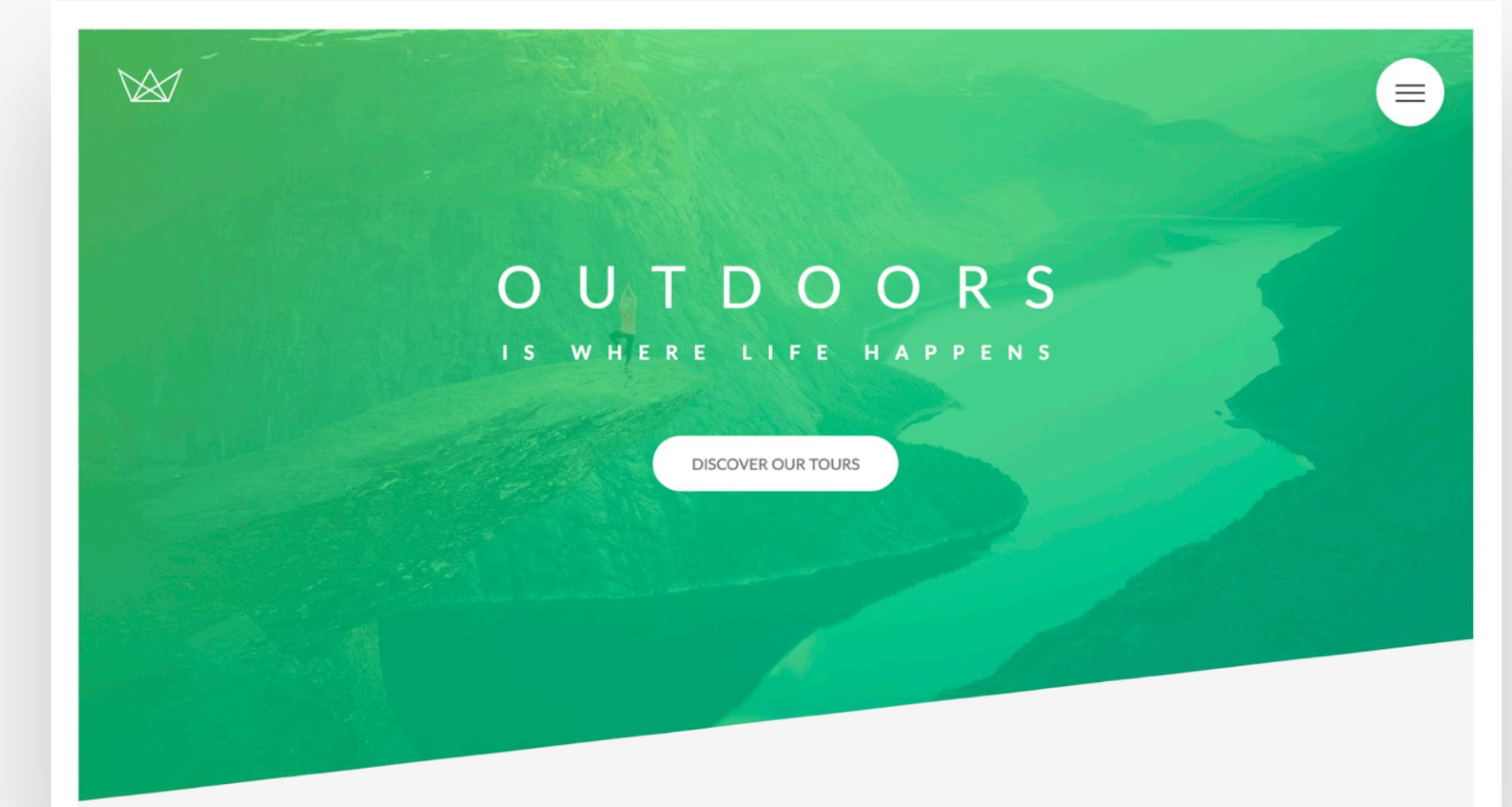
NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

LECTURE

BUILDING A COMPLEX ANIMATED BUTTON - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- What pseudo-elements and pseudo-classes are;
- How and why to use the :: after pseudo-element;
- How to create a creative hover animation effect using the transition property.





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NATOURS PROJECT - SETUP AND FIRST STEPS (PART 1)

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BUILDING A COMPLEX ANIMATED BUTTON - PART 2

SECTION 3 – HOW CSS WORKS

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HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

SECTION INTRO



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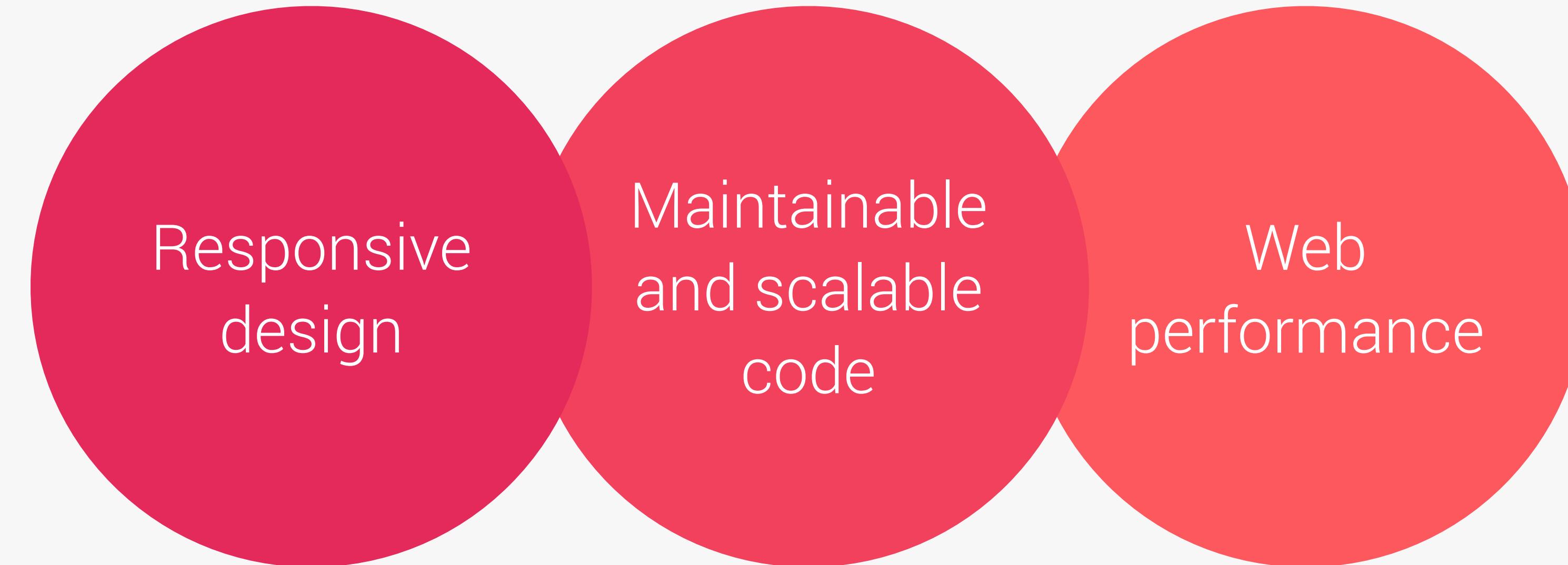
SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

THREE PILLARS OF WRITING GOOD HTML AND CSS (NEVER FORGET THEM!)

THREE PILLARS TO WRITE GOOD HTML AND CSS... AND BUILD GOOD WEBSITES



- Fluid layouts
- Media queries
- Responsive images
- Correct units
- Desktop-first vs mobile-first

- Clean
- Easy-to-understand
- Growth
- Reusable
- How to organize files
- How to name classes
- How to structure HTML

- Less HTTP requests
- Less code
- Compress code
- Use a CSS preprocessor
- Less images
- Compress images



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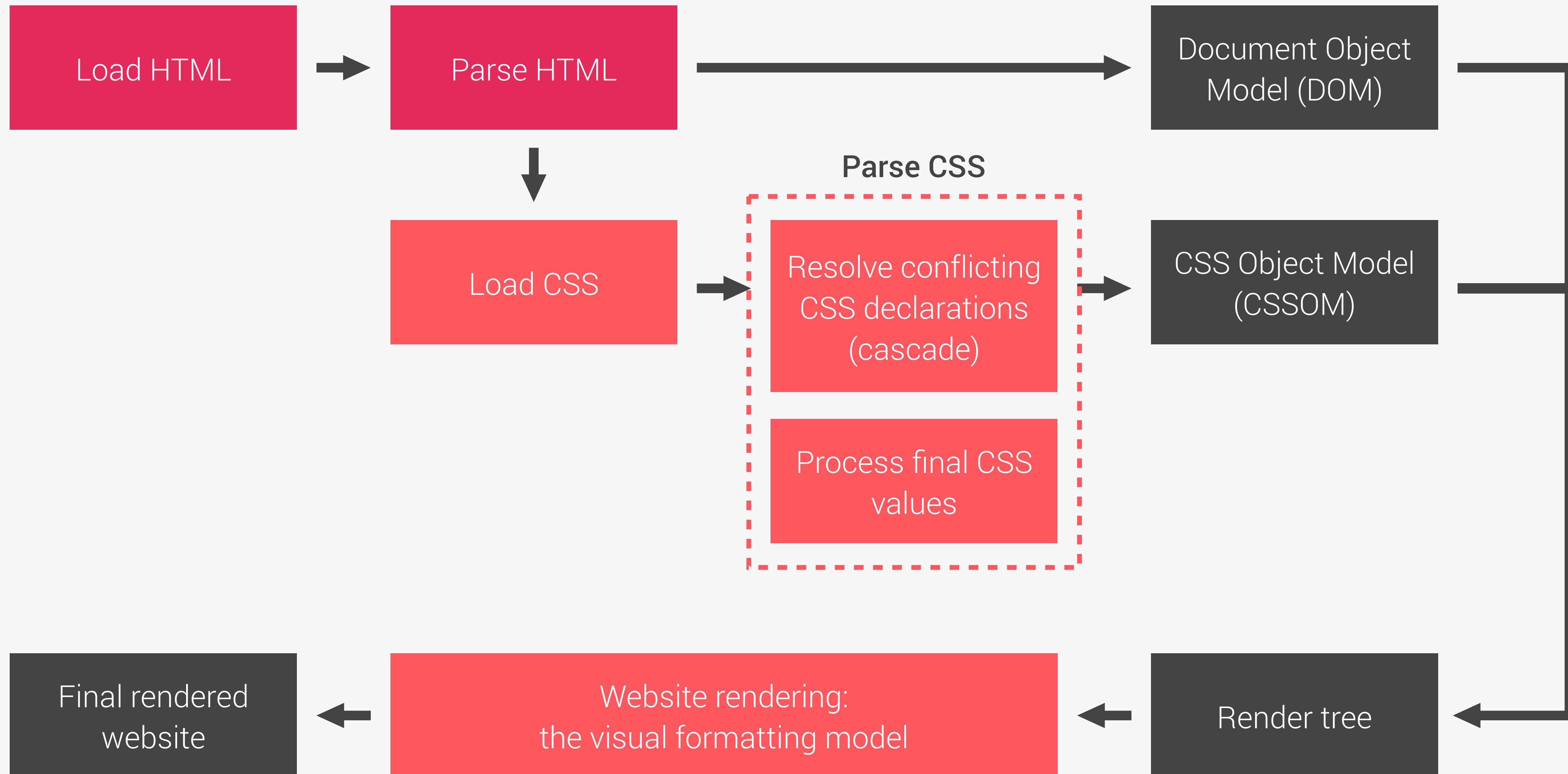
SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

HOW CSS WORKS BEHIND THE SCENES:
AN OVERVIEW

WHAT HAPPENS TO CSS WHEN WE LOAD UP A WEBPAGE?





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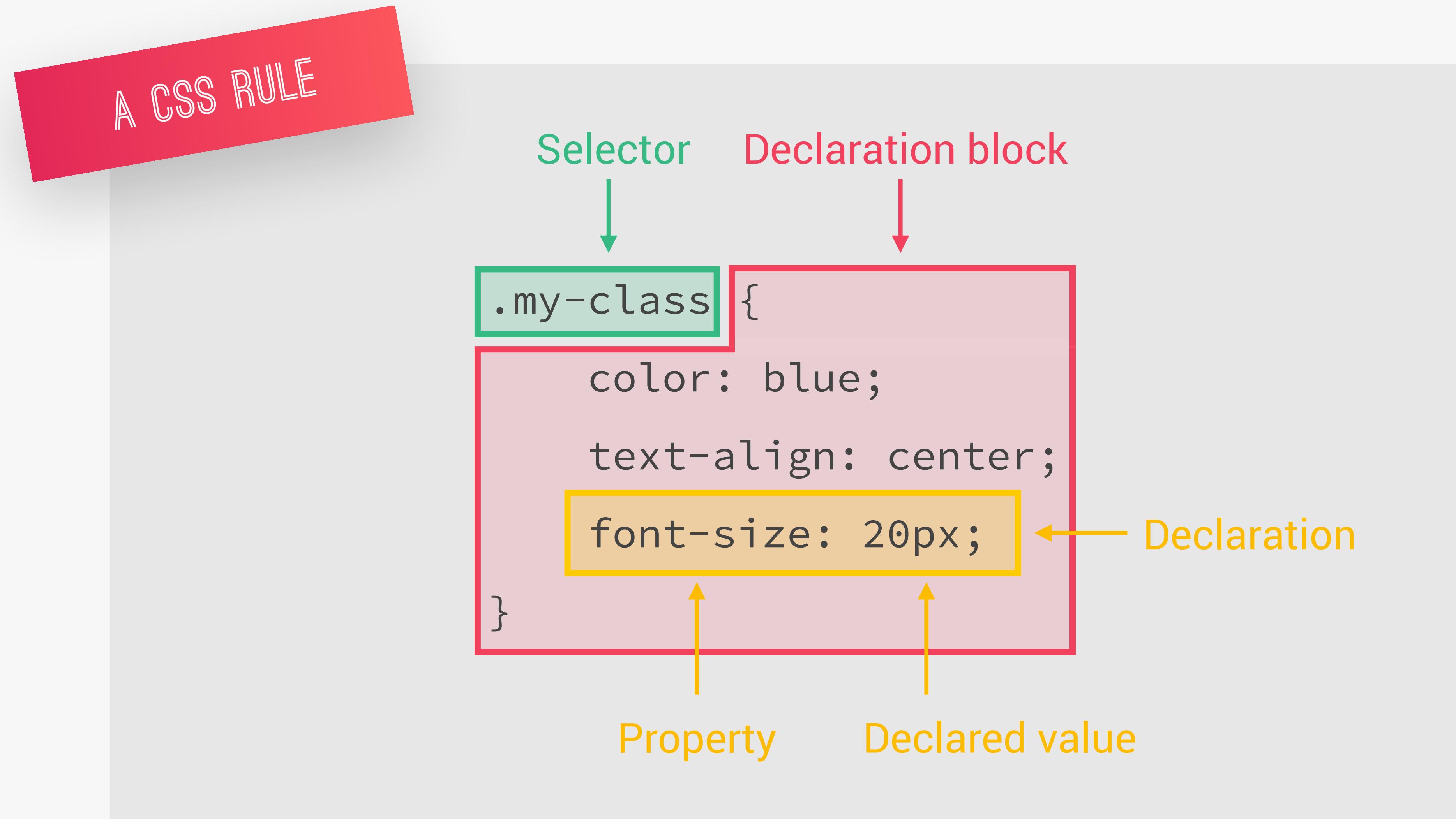
SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

HOW CSS IS PARSED, PART 1: THE CASCADE AND SPECIFICITY

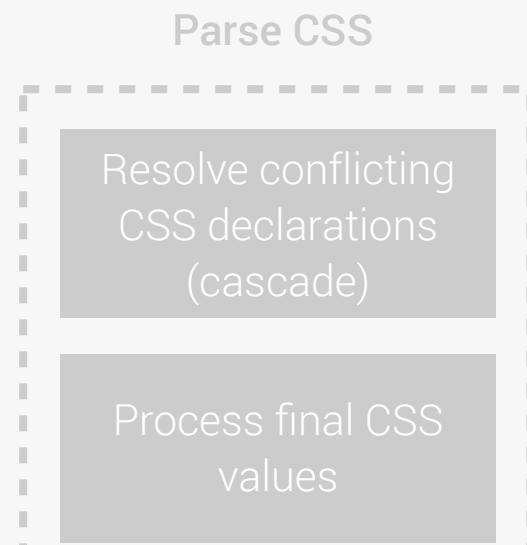
QUICK REVIEW: CSS TERMINOLOGY



THE CASCADE (THE "C" IN CSS)

CASCADE

Process of combining different stylesheets and resolving conflicts between different CSS rules and declarations, when more than one rule applies to a certain element.



- Author
- User
- Browser (user agent)

IMPORTANCE (WEIGHT)

>

SPECIFICITY

>

SOURCE ORDER

IMPORTANCE

>

SPECIFICITY

>

SOURCE ORDER

1. User !important declarations

2. Author !important declarations

3. Author declarations

4. User declarations

5. Default browser declarations

Same
importance?
→

```
.button {  
    font-size: 20px;  
    color: white;  
    background-color: blue !important;  
}  
  
#nav .pull-right .button {  
    background-color: green;  
}
```



Don't click here!

IMPORTANCE

>

SPECIFICITY

>

SOURCE ORDER

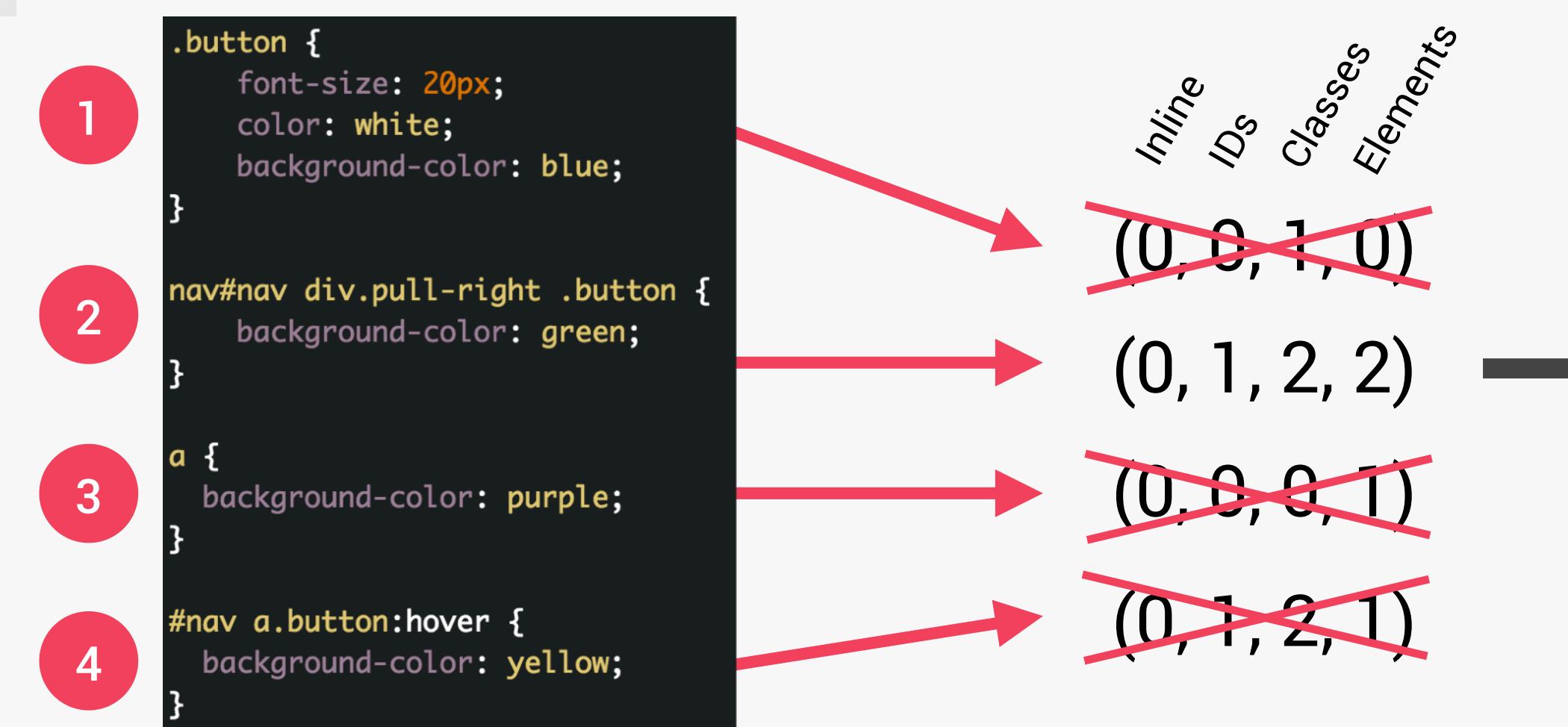
1. User !important declarations
2. Author !important declarations
3. Author declarations
4. User declarations
5. Default browser declarations

Same importance? →

1. Inline styles
2. IDs
3. Classes, pseudo-classes, attribute
4. Elements, pseudo-elements

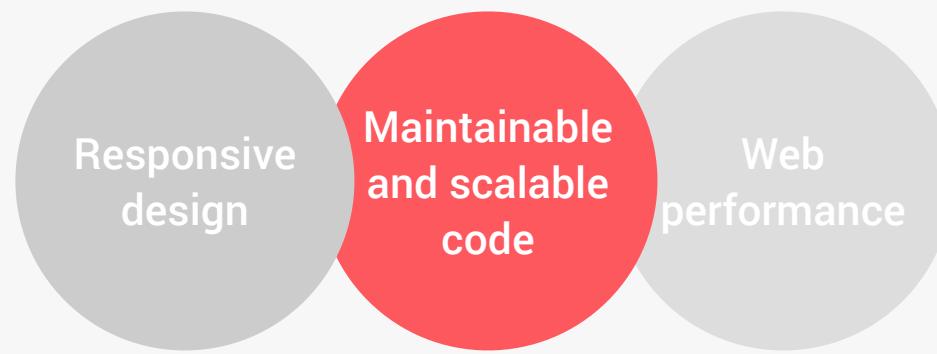
Same specificity? →

The last declaration in the code will override all other declarations and will be applied.



Don't click here!

CASCADE AND SPECIFICITY: WHAT YOU NEED TO KNOW



- CSS declarations marked with !important have the highest priority;
- But, only use !important as a last resource. It's better to use correct specificities – **more maintainable code!**
- Inline styles will always have priority over styles in external stylesheets;
- A selector that contains **1** ID is more specific than one with **1000** classes;
- A selector that contains **1** class is more specific than one with **1000** elements;
- The universal selector `*` has no specificity value (0, 0, 0, 0);
- Rely more on **specificity** than on the **order** of selectors;
- But, rely on order when using 3rd-party stylesheets – always put your author stylesheet last.



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HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

SPECIFICITY IN PRACTICE



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HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

HOW CSS IS PARSED, PART 2: VALUE PROCESSING

HOW CSS VALUES ARE PROCESSED

1. Declared value
(author declarations)

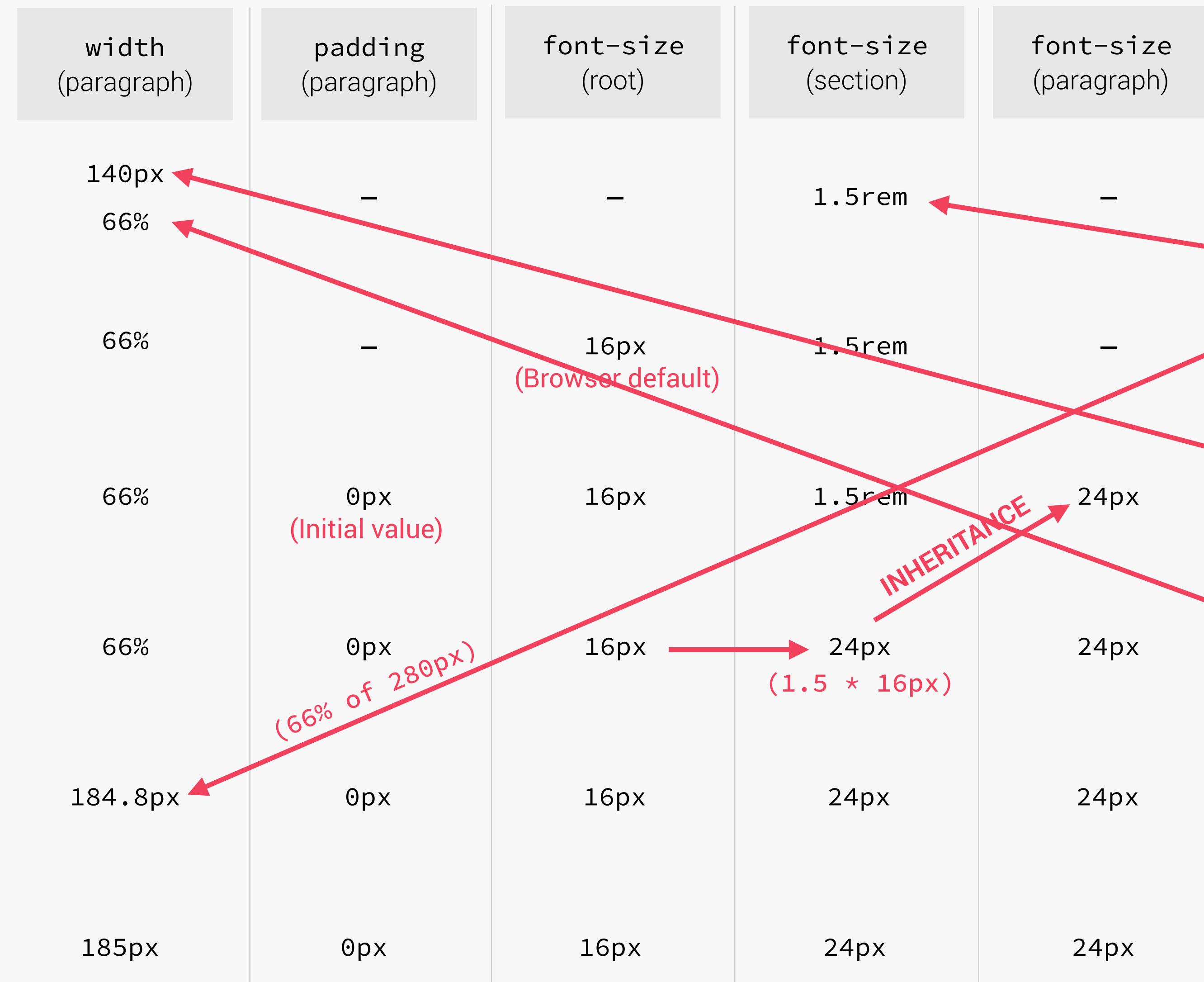
2. Cascaded value
(after the cascade)

3. Specified value
(defaulting, if there is no cascaded value)

4. Computed value
(converting relative values to absolute)

5. Used value
(final calculations, based on layout)

6. Actual value
(browser and device restrictions)



```
<div class="section">
  <p class="amazing">CSS is absolutely amazing</p>
</div>
```

```
.section {
  font-size: 1.5rem;
  width: 280px;
  background-color: orangered;
}

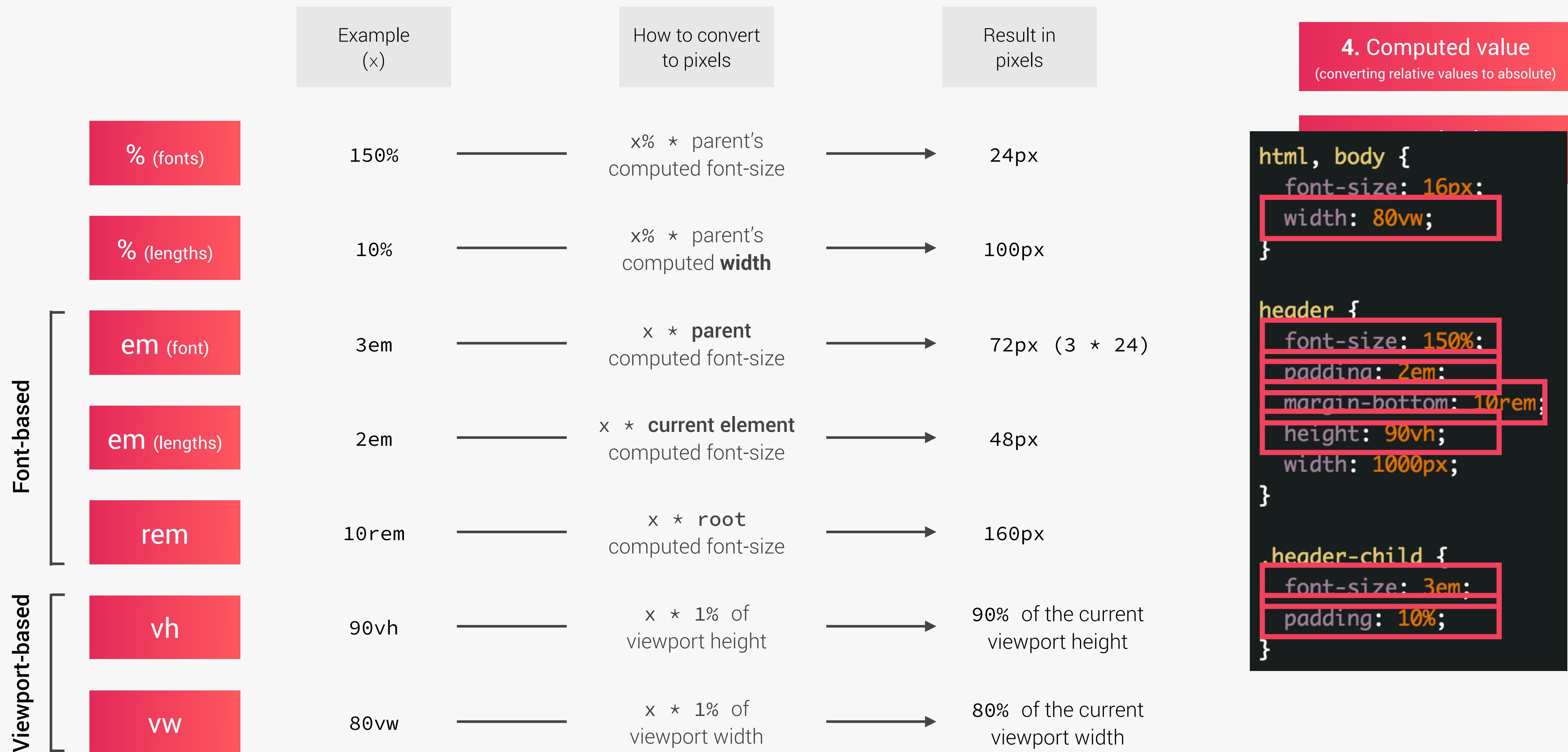
p {
  width: 140px;
  background-color: green;
}

.amazing {
  width: 66%;
}
```

CSS is absolutely amazing

(Let's analyse the green paragraph)

HOW UNITS ARE CONVERTED FROM RELATIVE TO ABSOLUTE (PX)



CSS VALUE PROCESSING: WHAT YOU NEED TO KNOW

- Each property has an initial value, used if nothing is declared (and if there is no inheritance – see next lecture);
- Browsers specify a **root font-size** for each page (usually 16px);
- Percentages and relative values are always converted to pixels;
- Percentages are measured relative to their parent's **font-size**, if used to specify font-size;
- Percentages are measured relative to their parent's **width**, if used to specify lengths;
- em are measured relative to their **parent** font-size, if used to specify font-size;
- em are measured relative to the **current** font-size, if used to specify lengths;
- rem are always measured relative to the **document's root** font-size;
- vh and vw are simply percentage measurements of the viewport's height and width.



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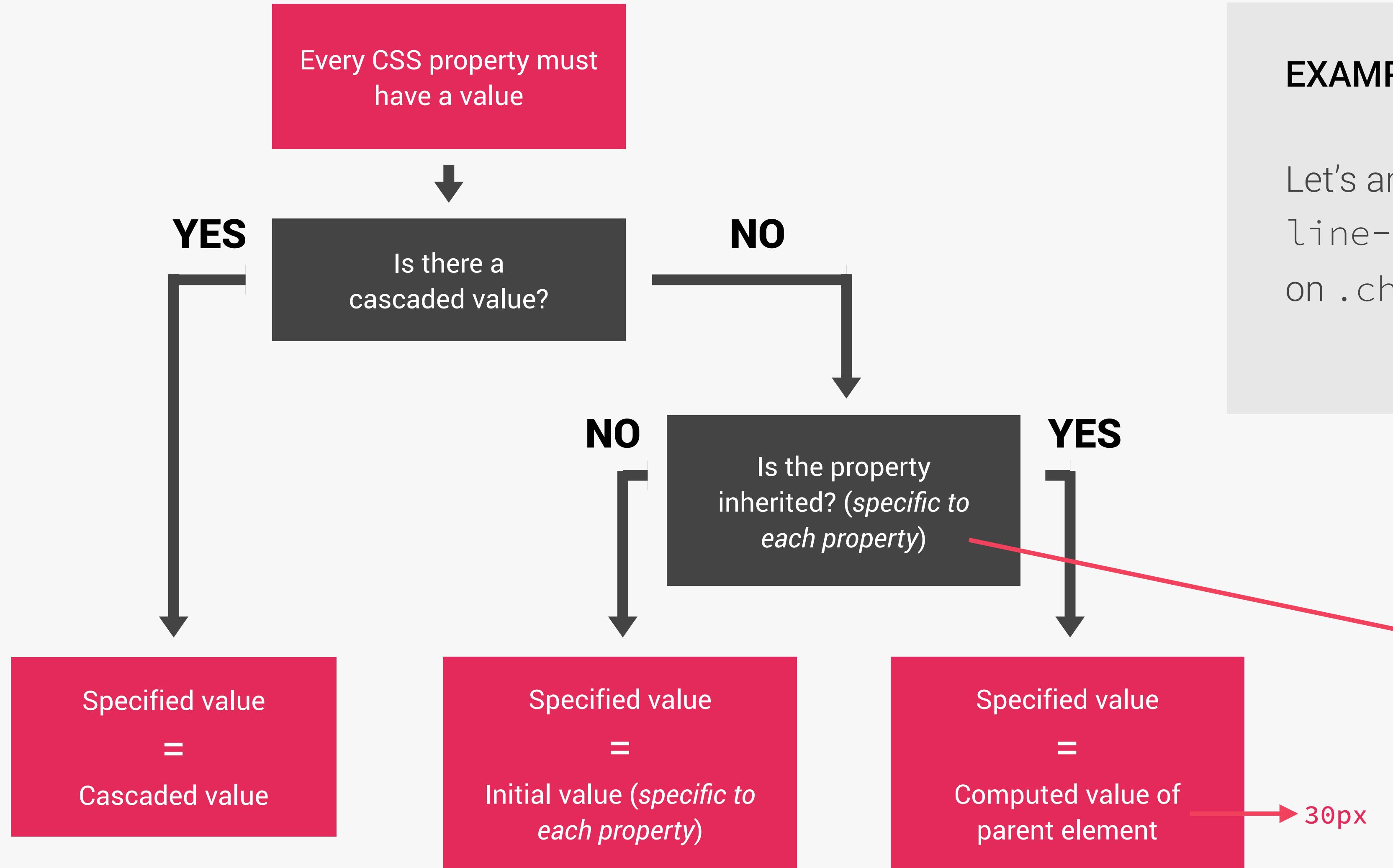
SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

HOW CSS IS PARSED, PART 3:
INHERITANCE

INHERITANCE IN CSS



EXAMPLE

Let's analyse
line-height
on .child

```
.parent {  
    font-size: 20px;  
    line-height: 150%;  
}  
  
.child {  
    font-size: 25px;  
}
```

line-height property specification

Initial value	normal
Applies to	all elements. It also applies to ::first-letter and ::first-line.
Inherited	yes
Percentages	refer to the font size of the element itself
Media	visual
Computed value	for percentage and length values, the absolute length, otherwise as specified
Animation type	either number or length
Canonical order	the unique non-ambiguous order defined by the formal grammar

THIS IS INHERITANCE!

Source: <https://developer.mozilla.org/en/docs/Web/CSS/line-height>

INHERITANCE: WHAT YOU NEED TO KNOW

- Inheritance passes the values for some specific properties from parents to children – **more maintainable code**;
- Properties related to text are inherited: font-family, font-size, color, etc;
- The computed value of a property is what gets inherited, **not** the declared value.
- Inheritance of a property only works if no one declares a value for that property;
- The `inherit` keyword forces inheritance on a certain property;
- The `initial` keyword resets a property to its initial value.



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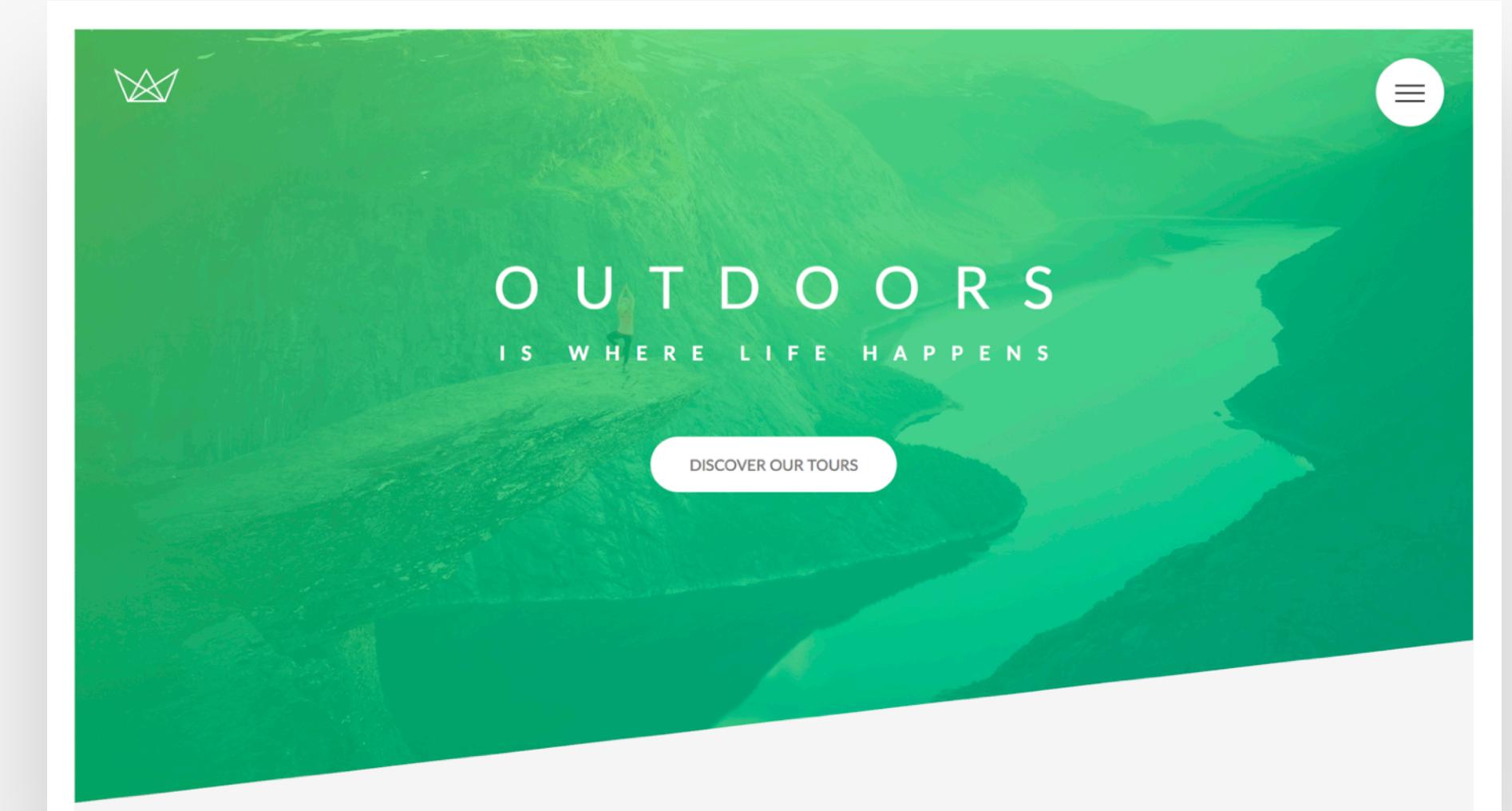
HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

CONVERTING PX TO REM: AN EFFECTIVE WORKFLOW

WHAT YOU WILL LEARN IN THIS LECTURE

- How and why to use rem units in our project;
- A great workflow for converting px to rem.



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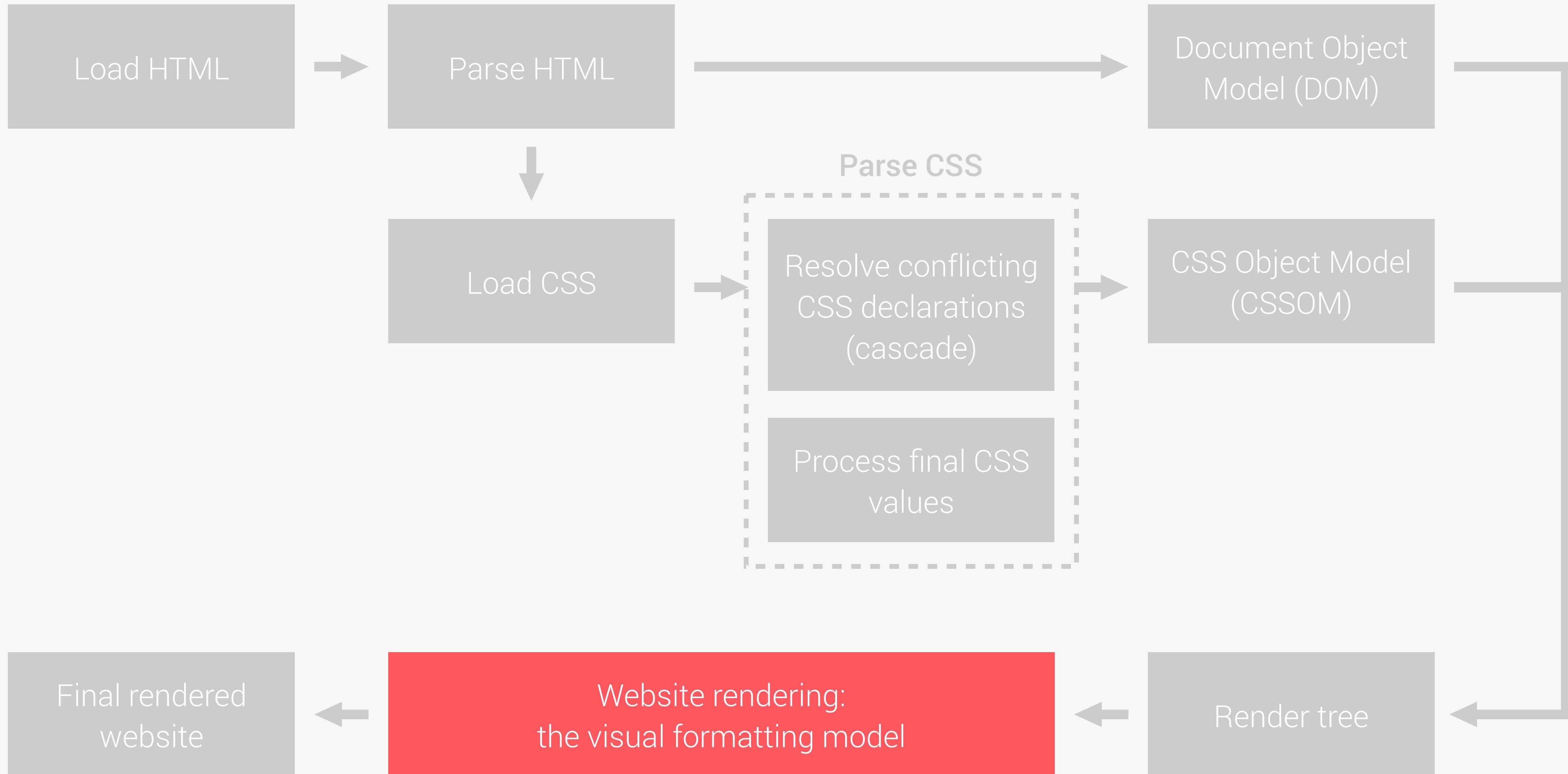
SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

HOW CSS RENDERS A WEBSITE: THE VISUAL FORMATTING MODEL

REMEMBER...?

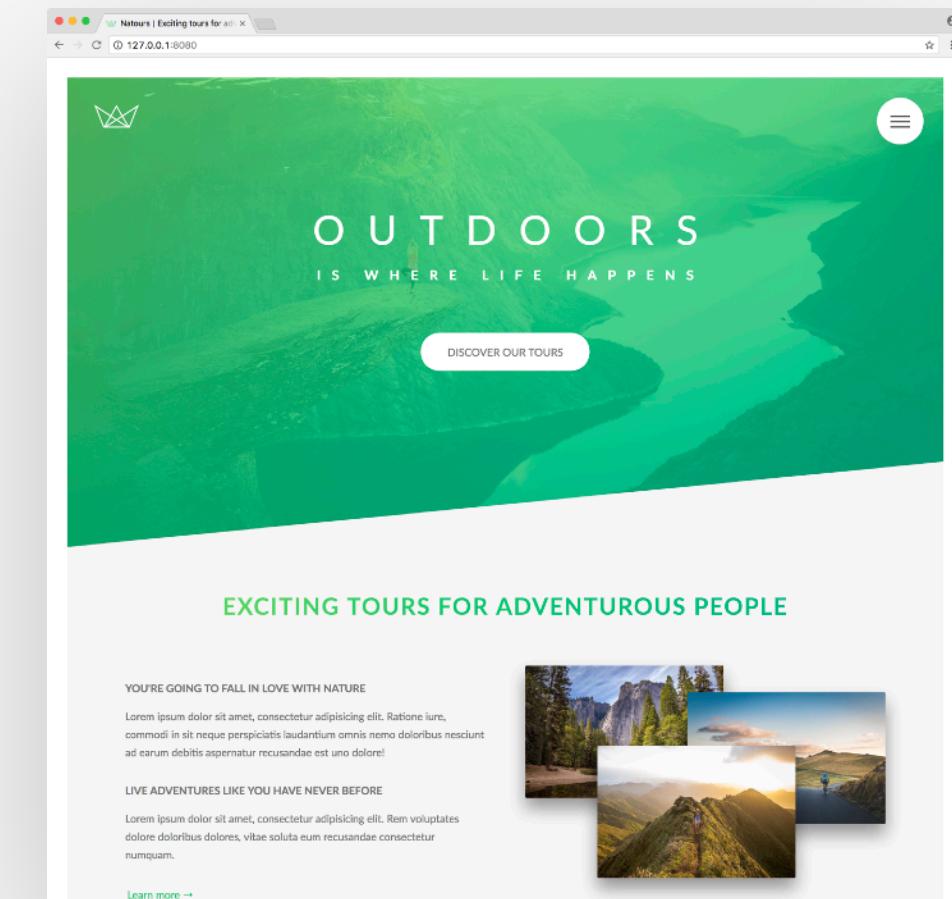
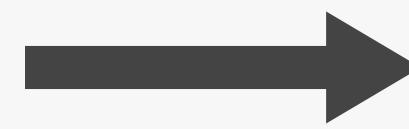


THE VISUAL FORMATTING MODEL

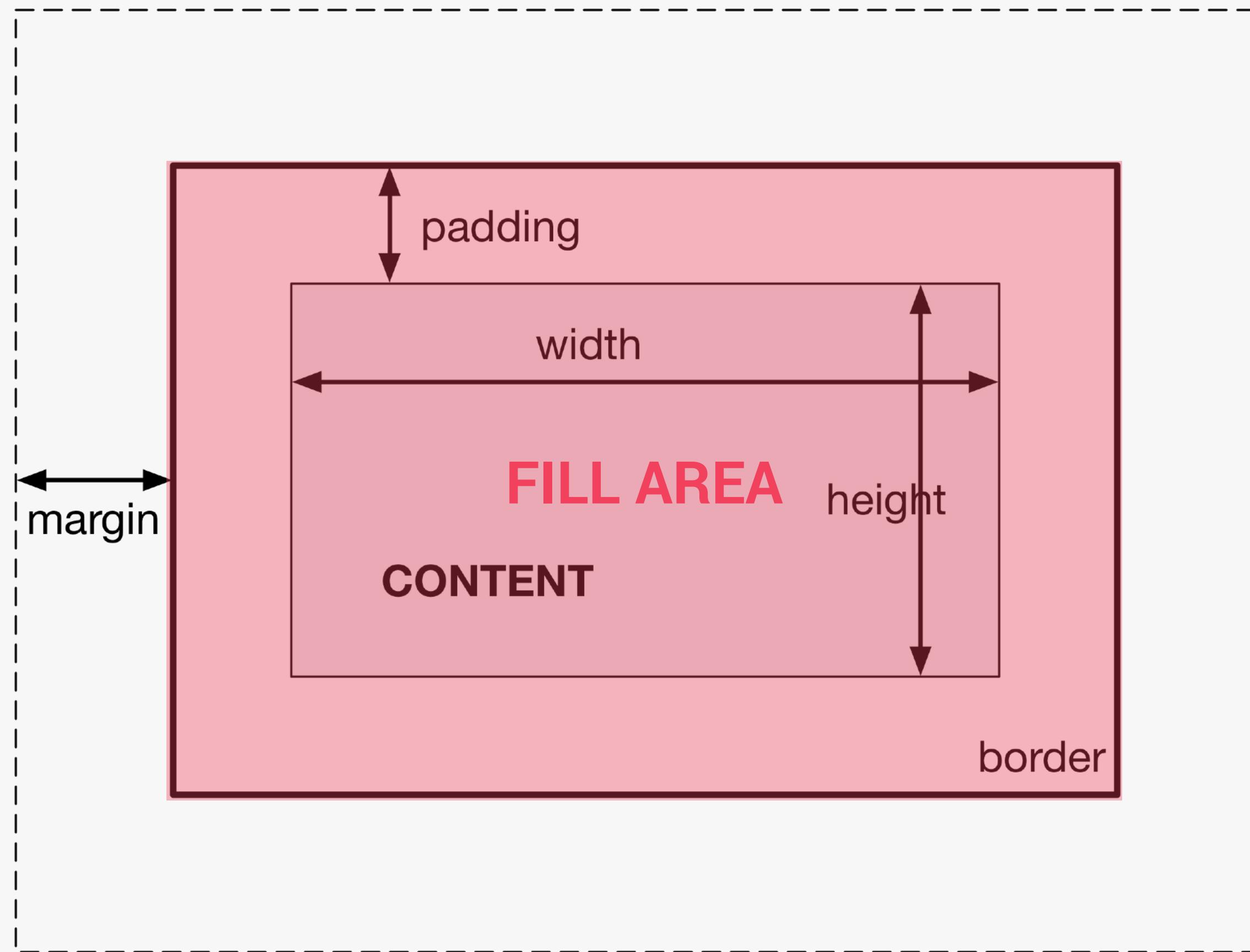
DEFINITION

Algorithm that calculates boxes and determines the layout of these boxes, for each element in the render tree, in order to determine the final layout of the page.

- **Dimensions of boxes:** the box model;
- **Box type:** inline, block and inline-block;
- **Positioning scheme:** floats and positioning;
- **Stacking contexts;**
- Other elements in the render tree;
- Viewport size, dimensions of images, etc.



1. THE BOX MODEL



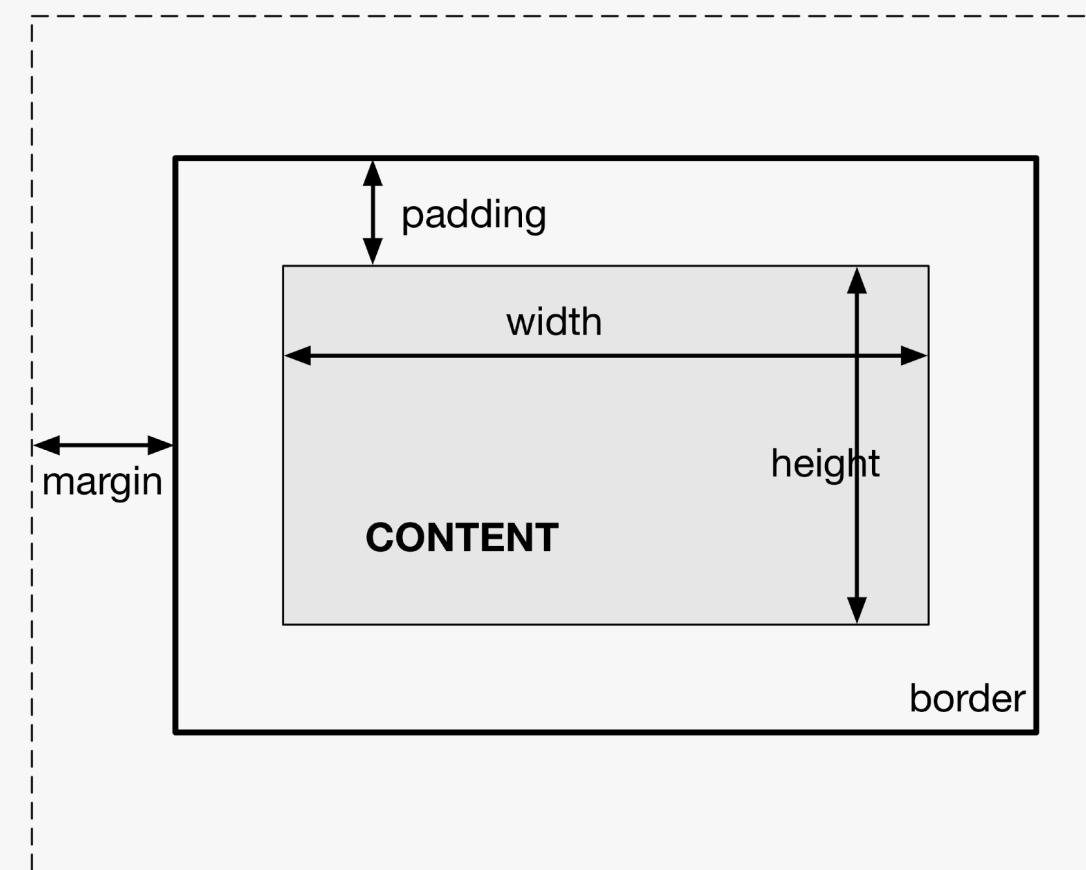
- **Content:** text, images, etc;
- **Padding:** transparent area around the content, inside of the box;
- **Border:** goes around the padding and the content;
- **Margin:** space between boxes;
- **Fill area:** area that gets filled with background color or background image.

1. THE BOX MODEL: HEIGHTS AND WIDTHS

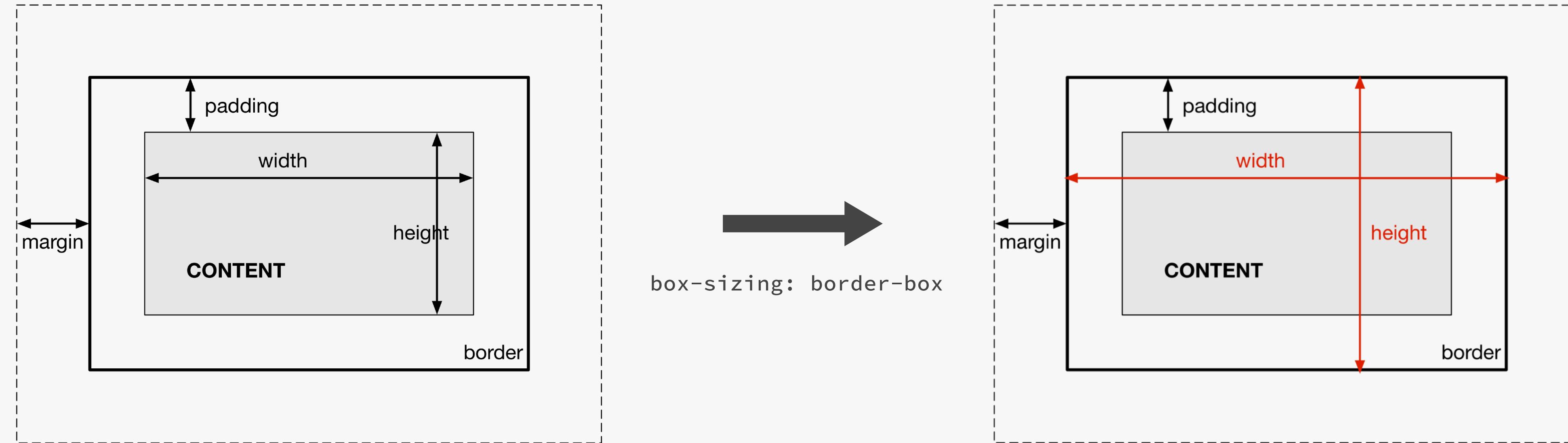
total width = right border + right padding + specified width + left padding + left border

total height = top border + top padding + specified height + bottom padding + bottom border

Example: height = 0 + 20px + 100px + 20px + 0 = 140px



1. THE BOX MODEL WITH BOX-SIZING: BORDER-BOX



~~total width = right border + right padding + specified width + left padding + left border~~

~~total height = top border + top padding + specified height + bottom padding + bottom border~~

Example: ~~height = 0 + 20px + 100px + 20px + 0 = 100px~~

2. BOX TYPES: INLINE, BLOCK-LEVEL AND INLINE-BLOCK

Block-level
boxes

- Elements formatted visually as blocks
- 100% of parent's width
- Vertically, one after another
- Box-model applies as showed

Inline-block
boxes

- A mix of block and inline
- Occupies only content's space
- No line-breaks
- Box-model applies as showed

Inline
boxes

- Content is distributed in lines
- Occupies only content's space
- No line-breaks
- No heights and widths
- Paddings and margins only horizontal (left and right)



```
display: block  
(display: flex)  
(display: list-item)  
(display: table)
```

```
display: inline-block
```

```
display: inline
```

3. POSITIONING SCHEMES: NORMAL FLOW, ABSOLUTE POSITIONING AND FLOATS

Normal flow

- Default positioning scheme;
- **NOT** floated;
- **NOT** absolutely positioned;
- Elements laid out according to their source order.

Default
`position: relative`

FLOATS

- **Element is removed from the normal flow;**
- Text and inline elements will wrap around the floated element;
- The container will not adjust its height to the element.

`float: left`
`float: right`

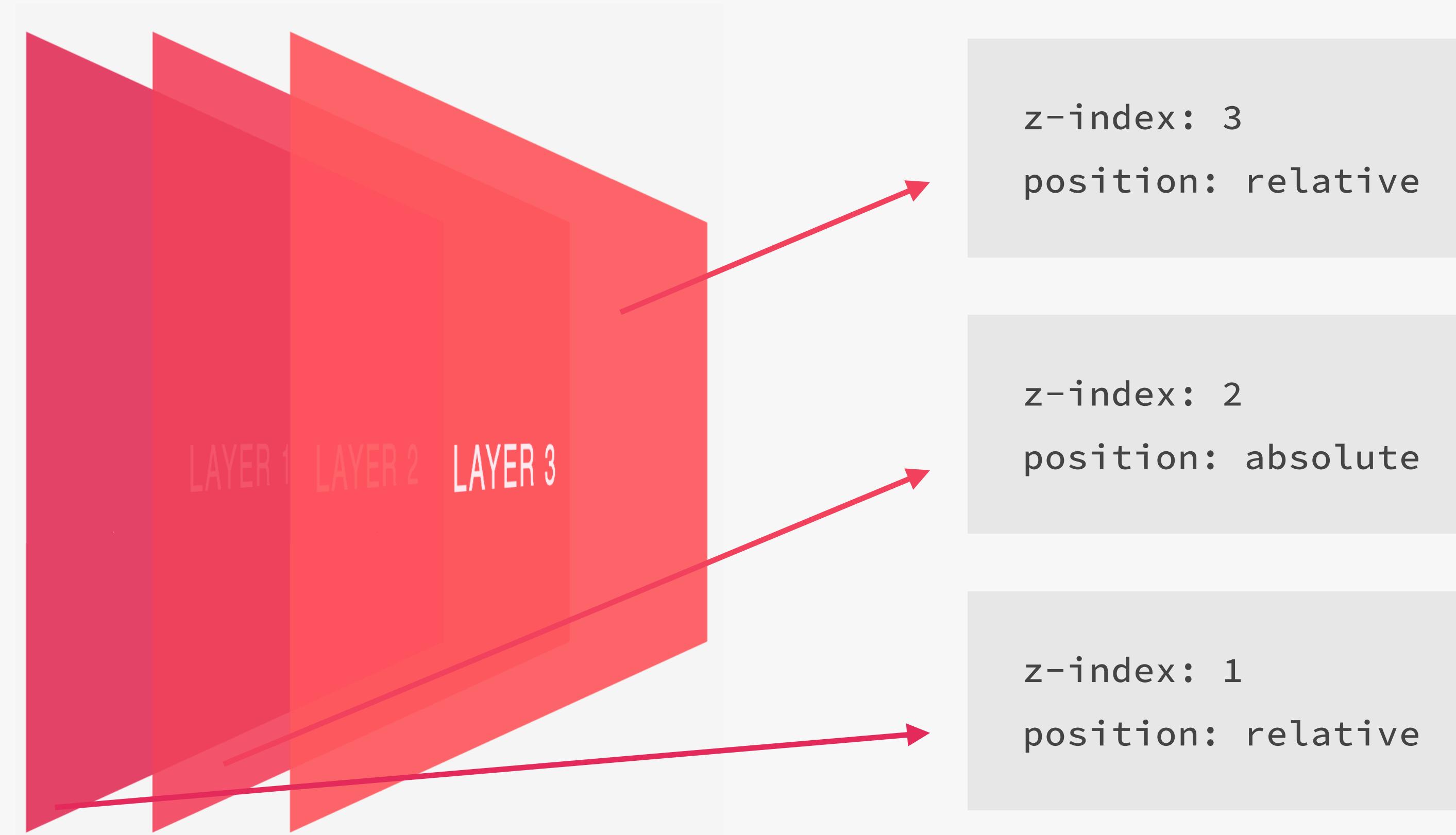


Absolute
positioning

- **Element is removed from the normal flow**
- No impact on surrounding content or elements;
- We use top, bottom, left and right to offset the element from its relatively positioned container.

`position: absolute`
`position: fixed`

4. STACKING CONTEXTS





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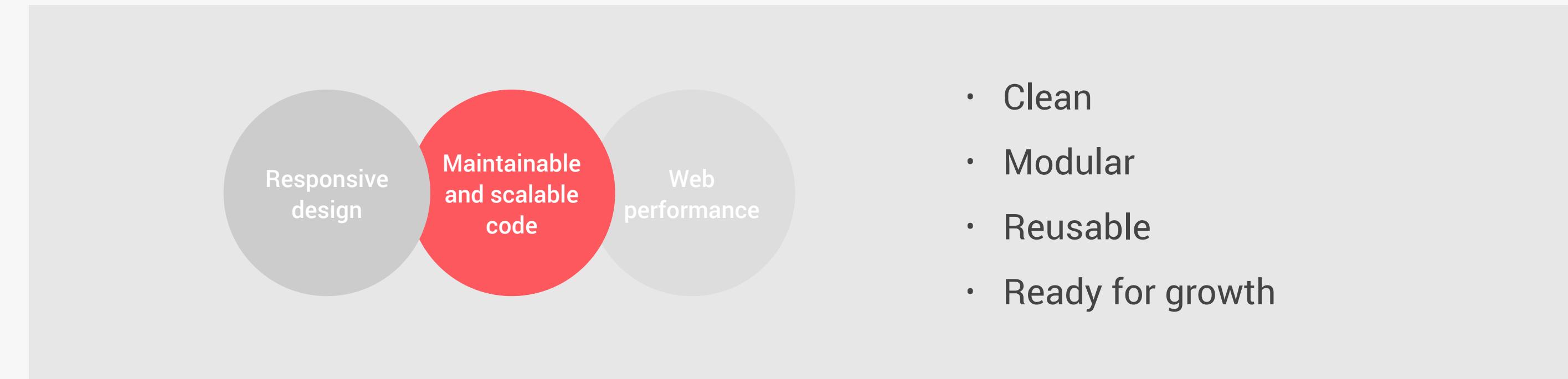
SECTION

HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

CSS ARCHITECTURE, COMPONENTS AND BEM

THE THINK - BUILD - ARCHITECT MINDSET



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.

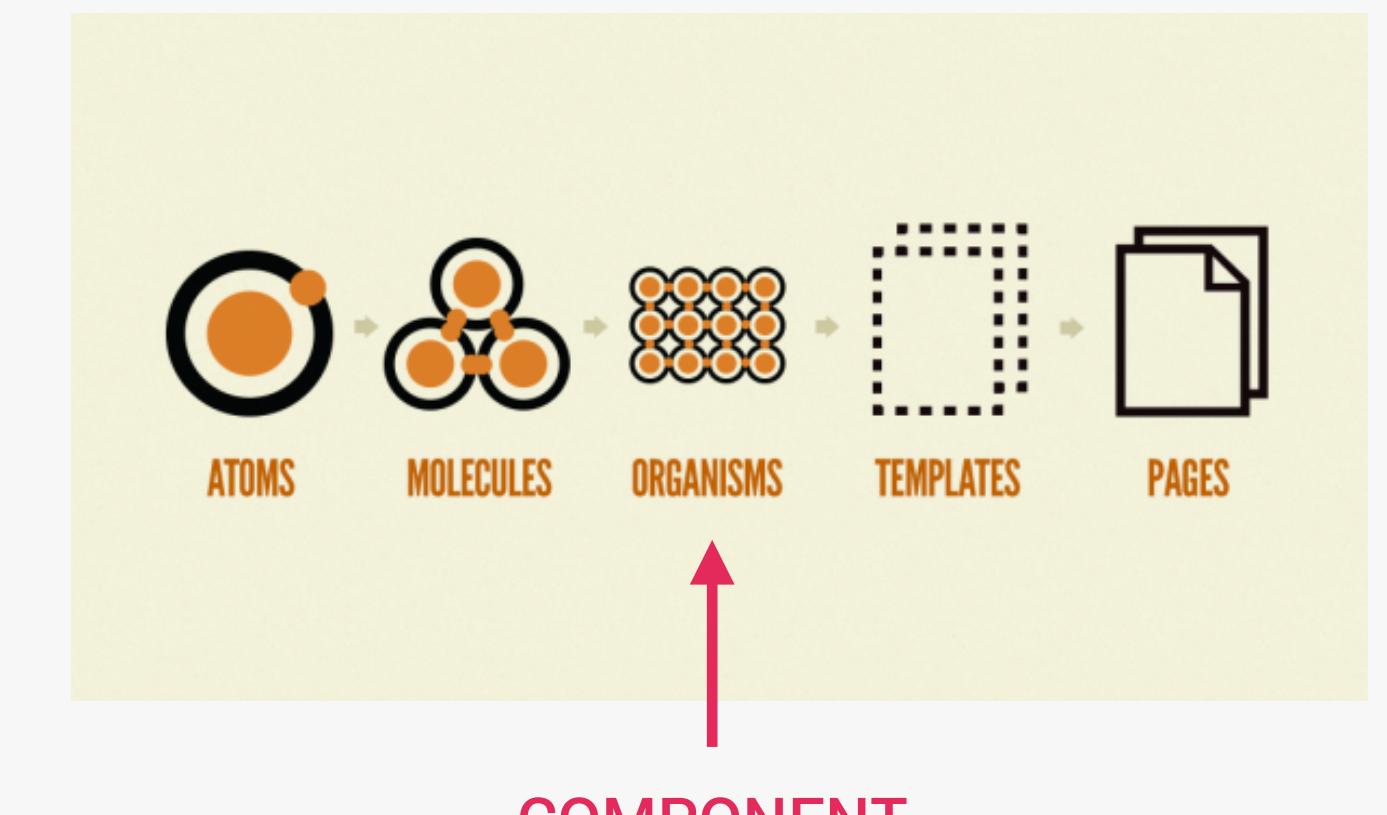
THINKING ABOUT THE LAYOUT



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

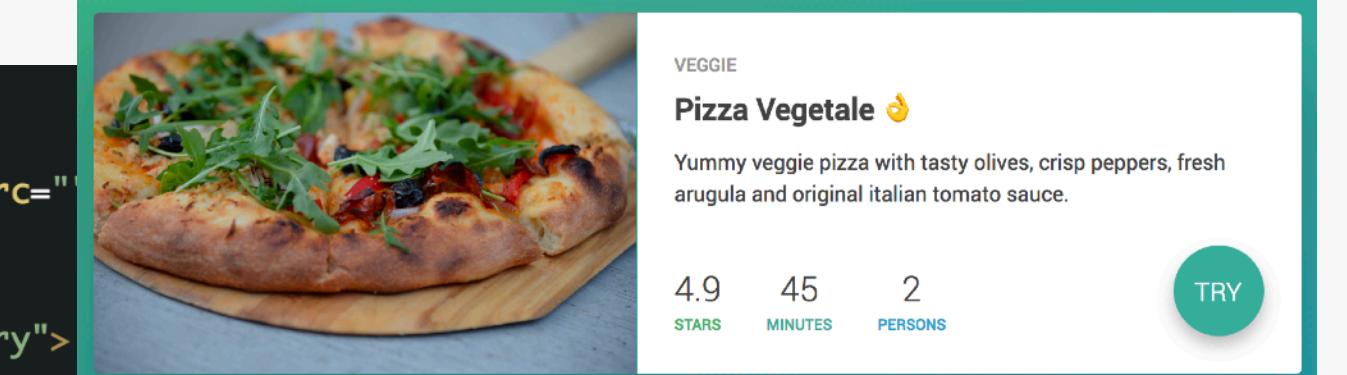
BEM

- **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>  
    <a class="recipe_btn btn btn-round" href="#">Try</a>  
  </div>  
</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/



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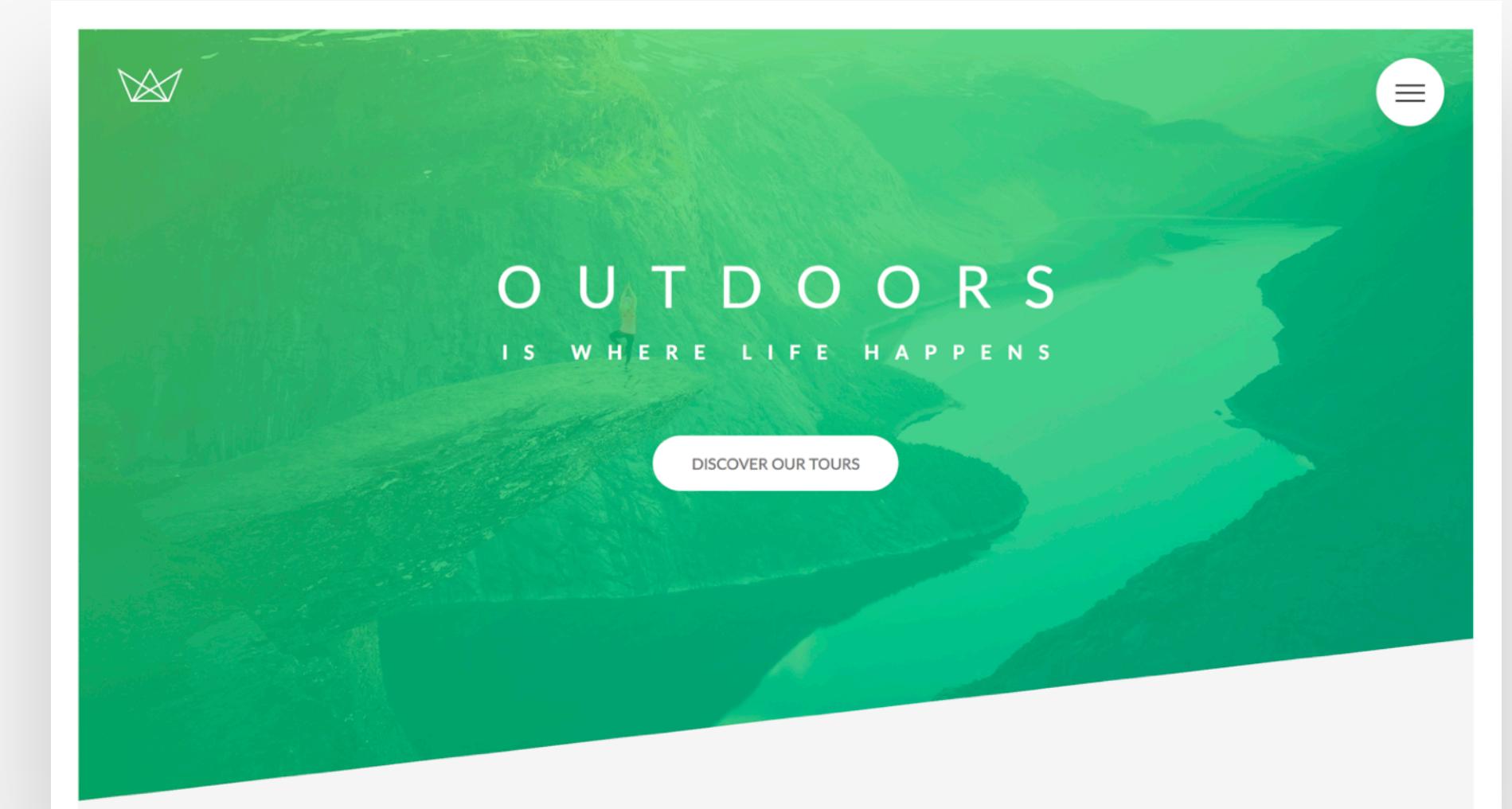
HOW CSS WORKS: A LOOK BEHIND THE SCENES

LECTURE

IMPLEMENTING BEM IN THE NATOUR PROJECT

WHAT YOU WILL LEARN IN THIS LECTURE

- How to use the BEM method in practice.



SECTION 4 – INTRODUCTION TO SASS AND NPM

ADVANCED CSS AND SASS

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INTRODUCTION TO SASS AND NPM

LECTURE

SECTION INTRO

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SECTION

INTRODUCTION TO SASS AND NPM

LECTURE

WHAT IS SASS?

Library | Develop | Map | Book | Slideshow | Print | Web

Histogram

Original Photo

Color

Basic

Advanced

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

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Color Balance

Curves

Color

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Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

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Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

Black & White

Grayscale

Monochrome

Posterize

Desaturate

Contrast

Gamma

Color Balance

Curves

Color

WHAT IS SASS AND HOW DOES IT WORK?

SASS

Sass is a CSS preprocessor, an extension of CSS that adds power and elegance to the basic language.



SASS SOURCE CODE

Sass compiler



COMPILATED CSS CODE

MAIN SASS FEATURES



- **Variables:** for reusable values such as colors, font-sizes, spacing, etc;
- **Nesting:** to nest selectors inside of one another, allowing us to write less code;
- **Operators:** for mathematical operations right inside of CSS;
- **Partials and imports:** to write CSS in different files and importing them all into one single file;
- **Mixins:** to write reusable pieces of CSS code;
- **Functions:** similar to mixins, with the difference that they produce a value that can than be used;
- **Extends:** to make different selectors inherit declarations that are common to all of them;
- **Control directives:** for writing complex code using conditionals and loops (not covered in this course).

SASS AND SCSS: CLEARING UP THE CONFUSION

Sass



Sass syntax

SCSS syntax

```
.navigation
  list-style: none
  float: left

  & li
    display: inline-block
    margin-left: 30px
```

```
.navigation {
  list-style: none;
  float: left;

  & li {
    display: inline-block;
    margin-left: 30px;
  }
}
```



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INTRODUCTION TO SASS AND NPM

LECTURE

FIRST STEPS WITH SASS: VARIABLES
AND NESTING



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LECTURE

FIRST STEPS WITH SASS: MIXINS,
EXTENDS AND FUNCTIONS

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A BRIEF INTRODUCTION TO THE
COMMAND LINE



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LECTURE

NPM PACKAGES: LET'S INSTALL SASS
LOCALLY

A BRIEF INTRODUCTION TO NPM AND THE NODE ECOSYSTEM



Allows developers to write and run JavaScript applications on the server. Developers started using node.js to also write tools to help them with **local web development**.



NPM is a simple command line interface that allows developers to **install and manage packages** on their local computers. There are all kinds of open-source **tools, libraries and frameworks** needed for modern development. Modern web development could simply not exist without a package manager.

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NPM SCRIPTS: LET'S WRITE AND COMPILE SASS LOCALLY

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INTRODUCTION TO SASS AND NPM

LECTURE

THE EASIEST WAY OF AUTOMATICALLY
RELOADING A PAGE ON FILE CHANGES

**SECTION 5 –
NATOURS PROJECT
PART 2**

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CSS AND SASS (PART 2)

LECTURE

SECTION INTRO



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CSS AND SASS (PART 2)

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CONVERTING OUR CSS CODE TO SASS:
VARIABLES AND NESTING



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IMPLEMENTING THE 7-1 CSS
ARCHITECTURE WITH SASS

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CSS AND SASS (PART 2)

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REVIEW: RESPONSIVE DESIGN
PRINCIPLES AND LAYOUT TYPES

REVIEW: BASIC RESPONSIVE DESIGN PRINCIPLES

1

FLUID LAYOUTS

- To allow webpage to adapt to the current viewport width (or even height)
- Use % (or vh / vw) unit instead of px for elements that should adapt to viewport (usually layout)
- Use max-width instead of width

2

RESPONSIVE UNITS

- Use rem unit instead of px for most lengths
- To make it easy to scale the entire layout down (or up) automatically

3

FLEXIBLE IMAGES

- By default, images don't scale automatically as we change the viewport, so we need to fix that
- Always use % for image dimensions, together with the max-width property

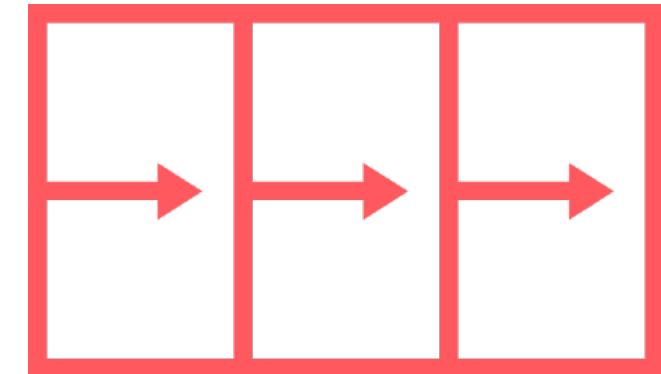
4

MEDIA QUERIES

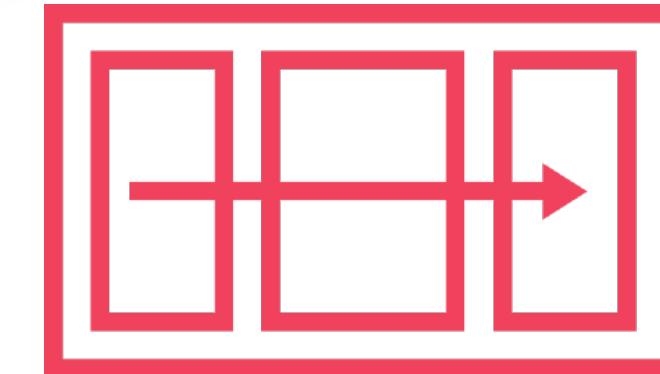
- To change CSS styles on certain viewport widths (called breakpoints)

LAYOUT TYPES

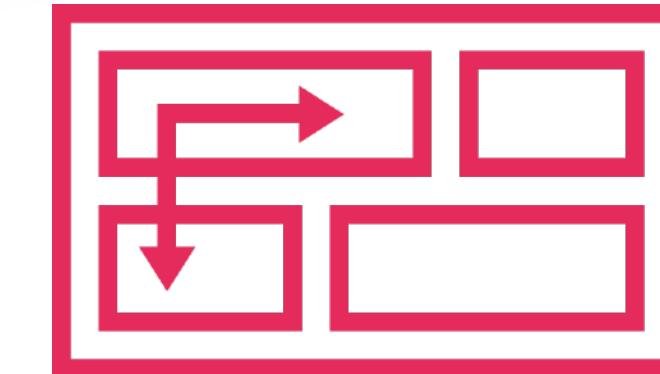
THIS PROJECT



2ND PROJECT



3RD PROJECT



FLOAT LAYOUTS

The **old way of building layouts** of all sizes, using the float CSS property. Still used, but getting outdated.

FLEXBOX

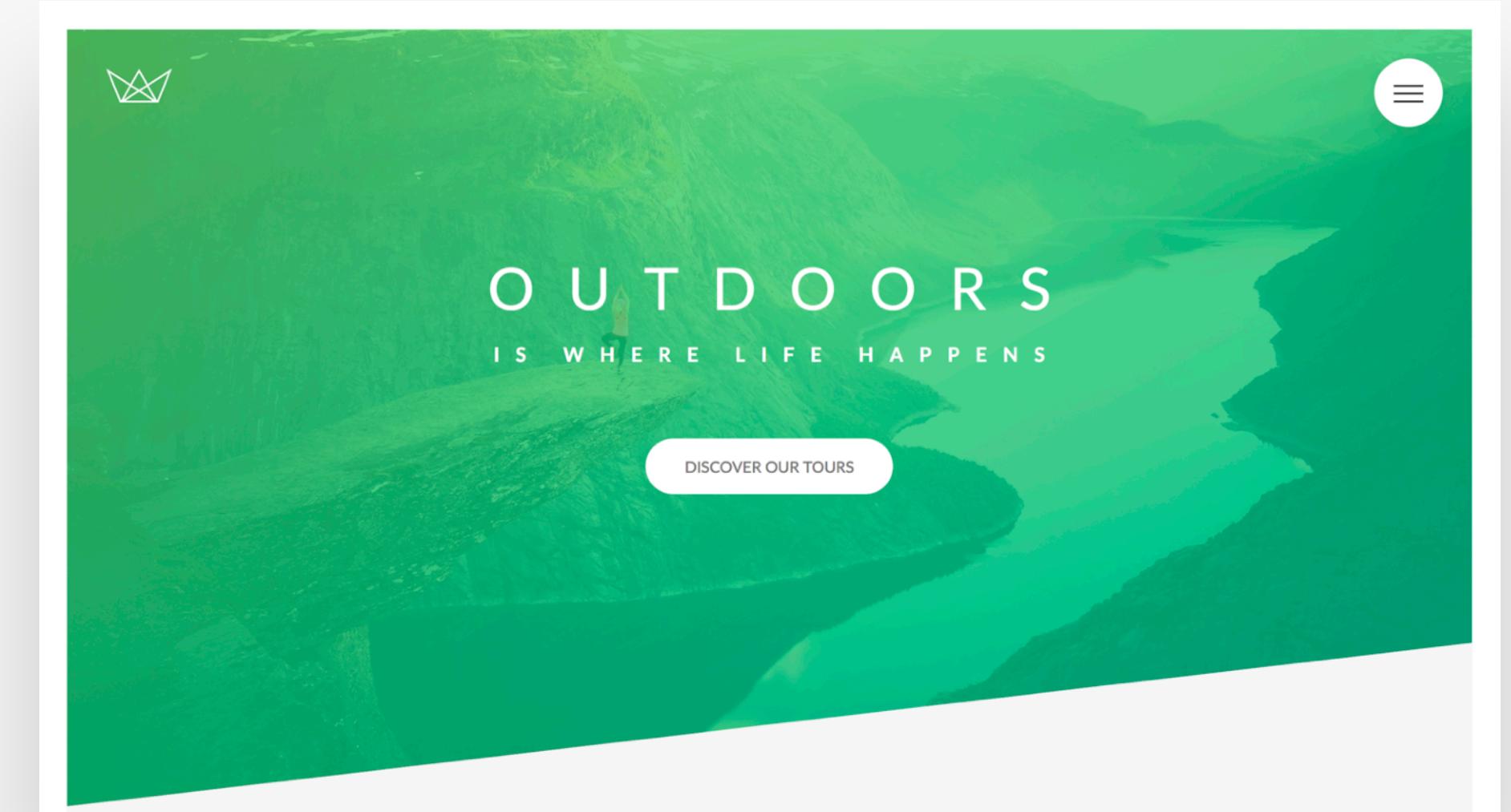
Modern way of laying out elements in a **1-dimensional row** without using floats. Perfect for **component layouts**.

CSS GRID

For laying out element in a fully-fledged **2-dimensional grid**. Perfect for **page layouts and complex components**.

WHY USE A FLOAT LAYOUT IN THIS PROJECT?

- The focus of this project is on using modern CSS properties and techniques: clips, transforms, animations, background video, etc.
- Even though flexbox and CSS Grid are more modern, every web developer should still know how float layouts work
- As a professional developer, your job will include working with older CSS codebases, which will contain float layouts





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CSS AND SASS (PART 2)

LECTURE

BUILDING A CUSTOM GRID WITH FLOATS

WHAT YOU WILL LEARN IN THIS LECTURE

- How to architect and build a simple grid system;
- How the attribute selector works;
- How the :not pseudo-class works;
- How calc() works, and what's the difference between calc() and simple Sass operations.



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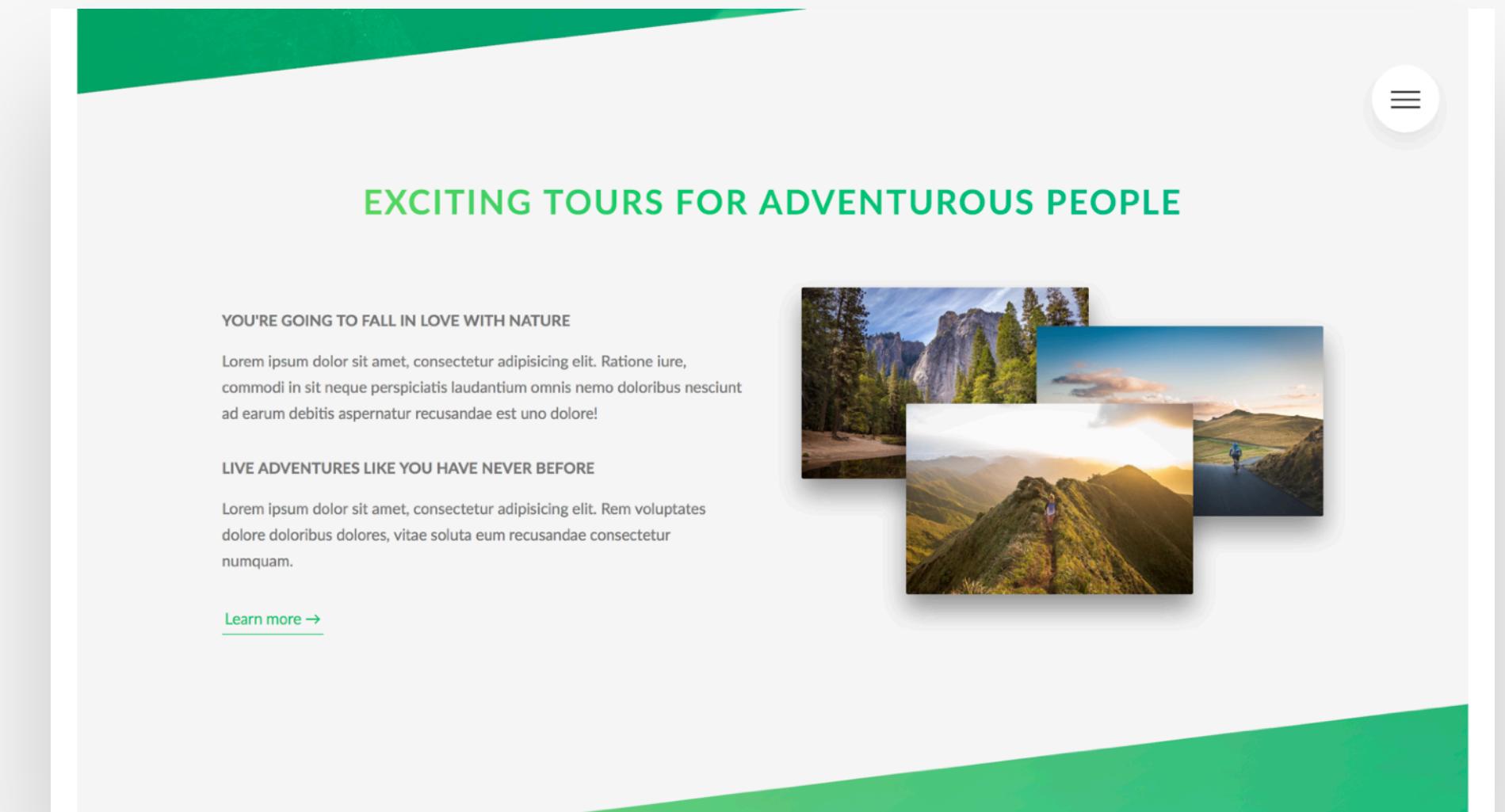
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE ABOUT SECTION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- Thinking about components;
- How and why to use utility classes;
- How to use the background-clip property;
- How to transform multiple properties simultaneously;
- How to use the outline-offset property together with outline;
- How to style elements that are NOT hovered while others are.



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CSS AND SASS (PART 2)

LECTURE

BUILDING THE ABOUT SECTION - PART 2

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CSS AND SASS (PART 2)

LECTURE

BUILDING THE ABOUT SECTION - PART 3

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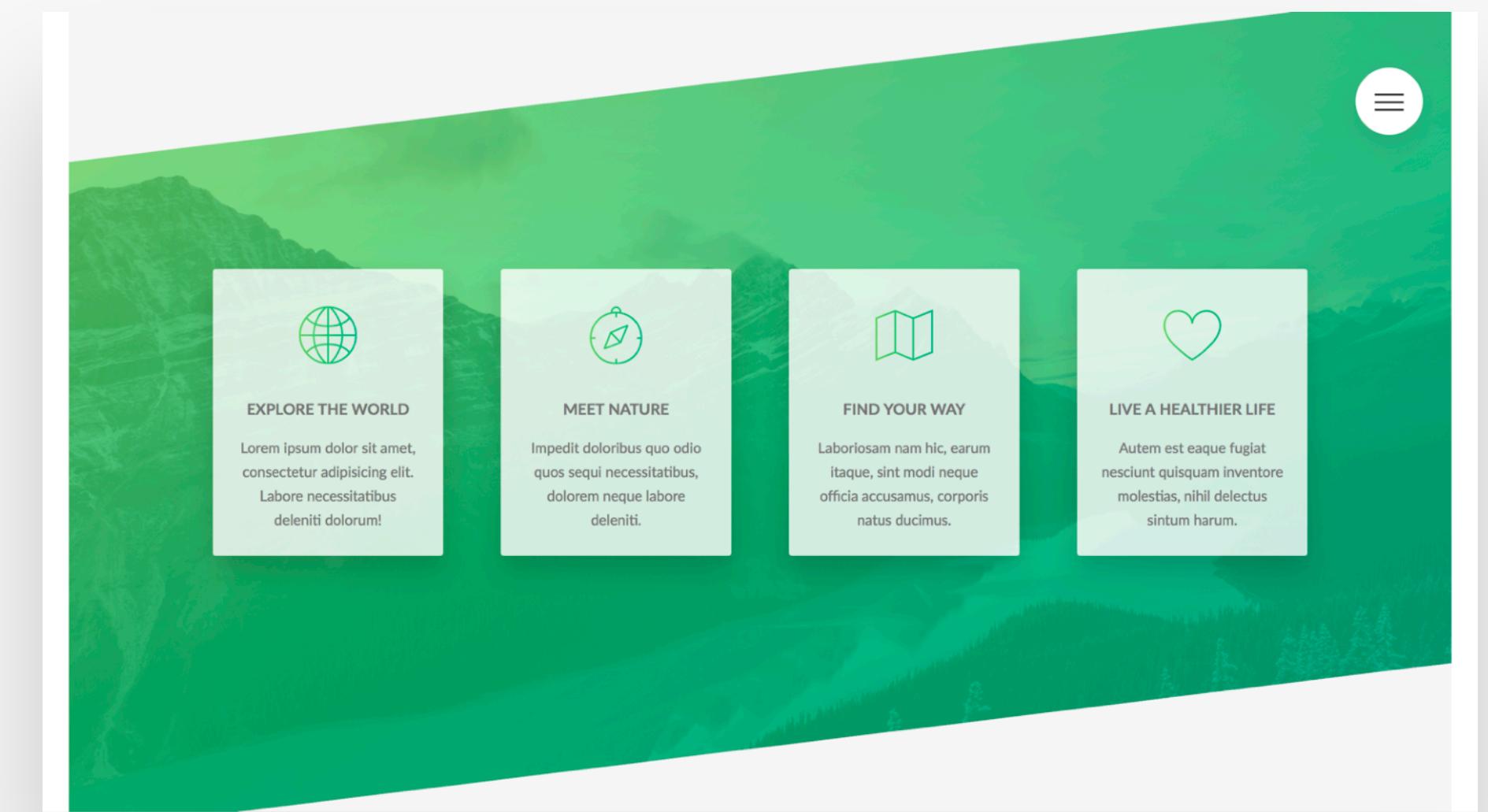
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE FEATURES SECTION

WHAT YOU WILL LEARN IN THIS LECTURE

- How to include and use an icon font;
- Another way of creating the “skewed section” design;
- How and when to use the direct child selector.



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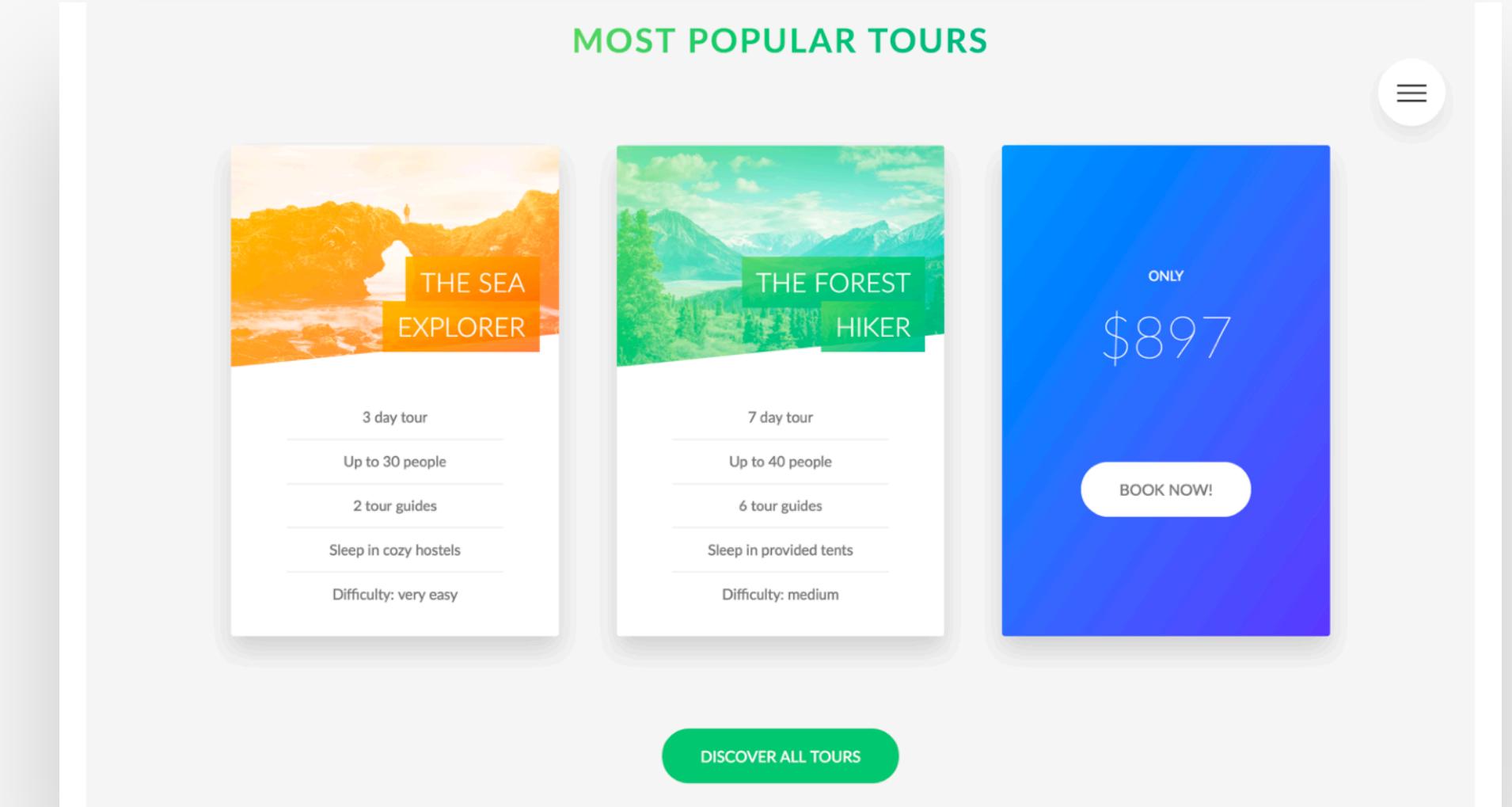
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE TOURS SECTION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to build an amazing, rotating card;
- How to use perspective in CSS;
- How to use the backface-visibility property;
- Using background blend modes;
- How and when to use box-decoration-break;



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CSS AND SASS (PART 2)

LECTURE

BUILDING THE TOURS SECTION - PART 2

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CSS AND SASS (PART 2)

LECTURE

BUILDING THE TOURS SECTION - PART 3



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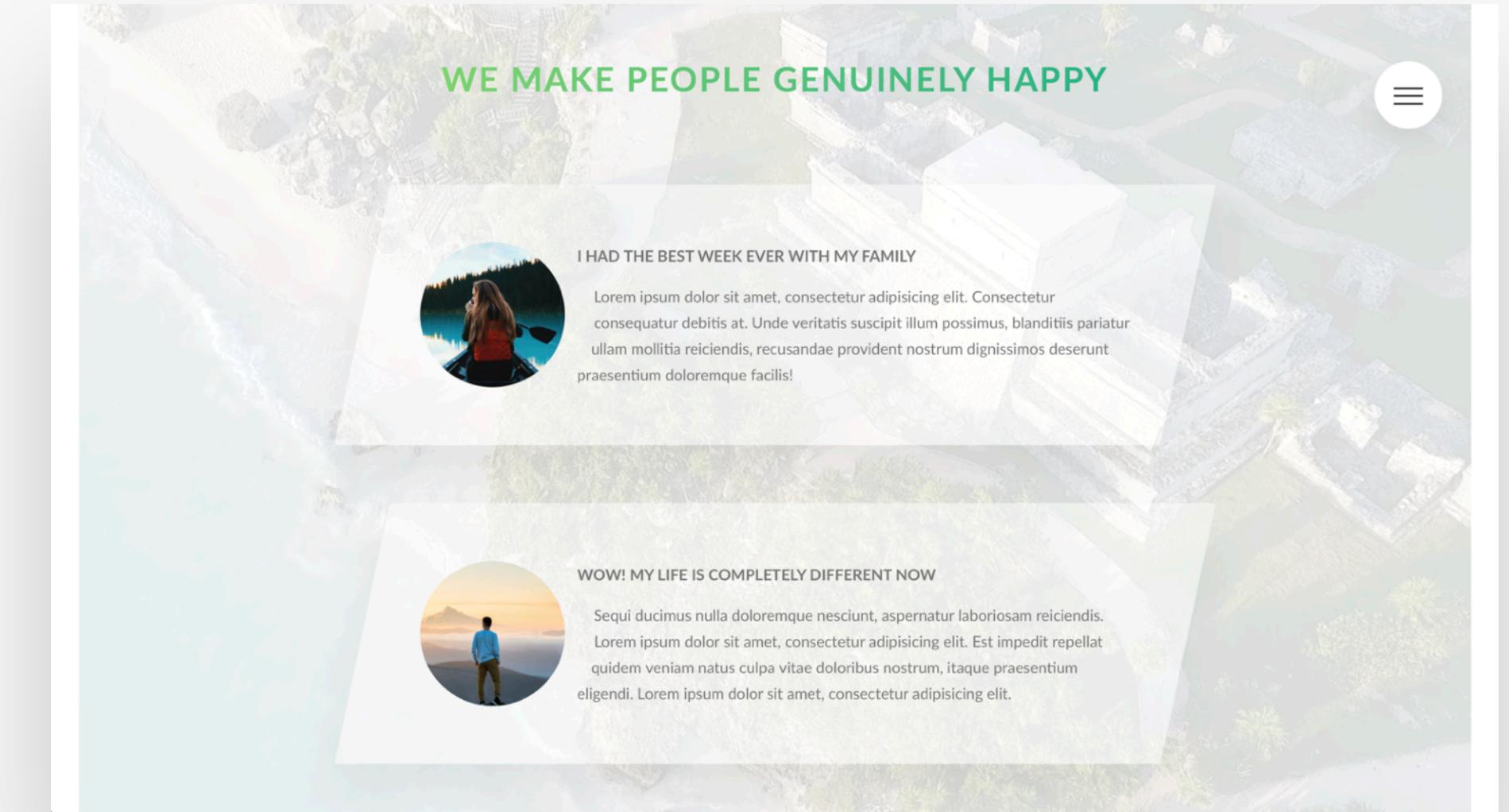
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE STORIES SECTION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to make text flow around shapes with shape-outside and float;
- How to apply a filter to images;
- How to create a background video covering an entire section;
- How to use the <video> HTML element;
- How and when to use the object-fit property.



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TAKE YOUR CSS TO THE NEXT LEVEL!



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CSS AND SASS (PART 2)

LECTURE

BUILDING THE STORIES SECTION - PART 2

ADVANCED CSS AND SASS

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CSS AND SASS (PART 2)

LECTURE

BUILDING THE STORIES SECTION - PART 3

ADVANCED CSS AND SASS

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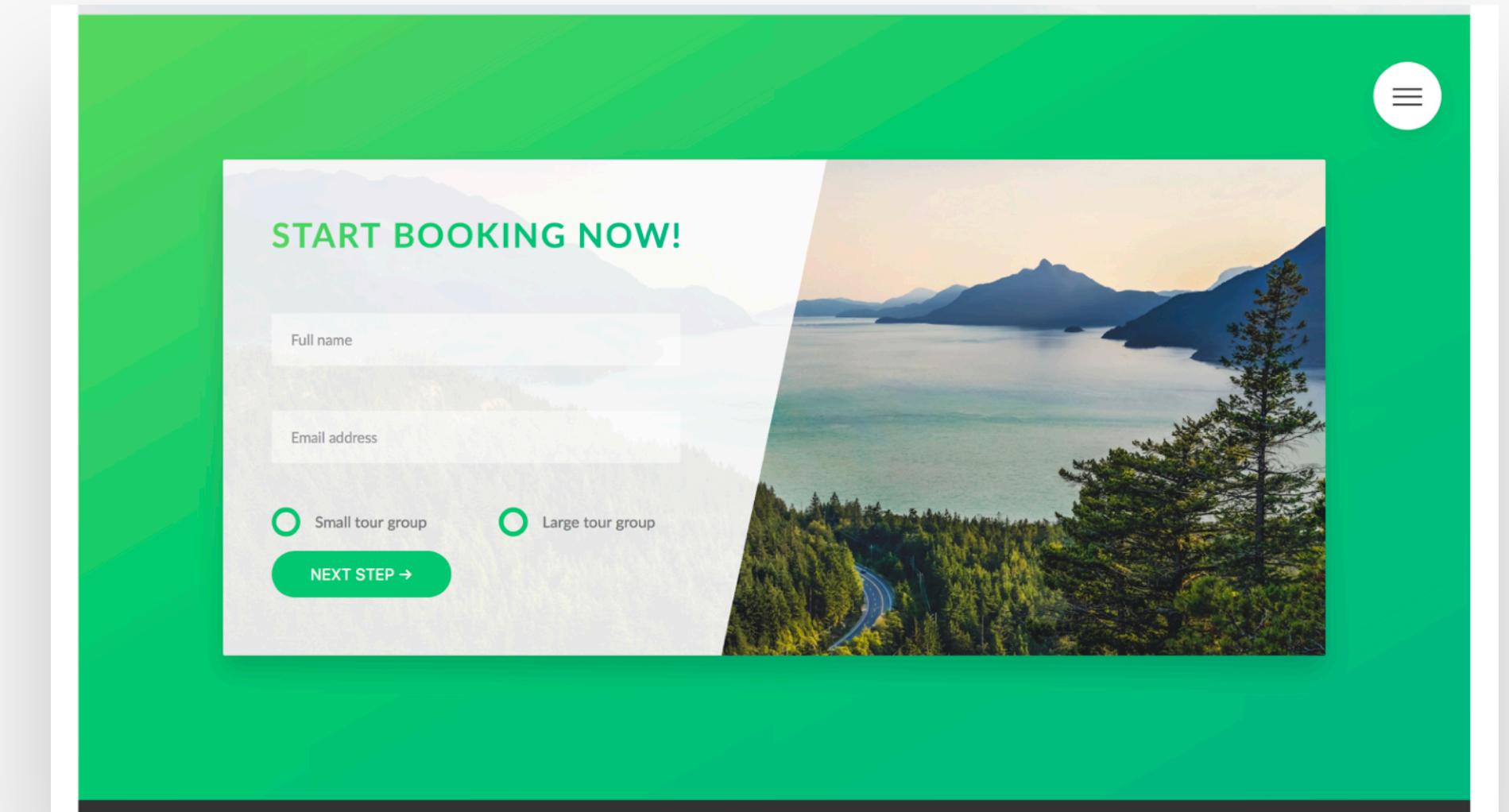
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE BOOKING SECTION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to implement “solid-color gradients”;
- How the general and adjacent sibling selectors work and why we need them;
- How to use the `::input-placeholder` pseudo-element;
- How and when to use the `:focus`, `:invalid`, `placeholder-shown` and `:checked` pseudo-classes;
- Techniques to build custom radio buttons.



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CSS AND SASS (PART 2)

LECTURE

BUILDING THE BOOKING SECTION - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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CSS AND SASS (PART 2)

LECTURE

BUILDING THE BOOKING SECTION - PART 3

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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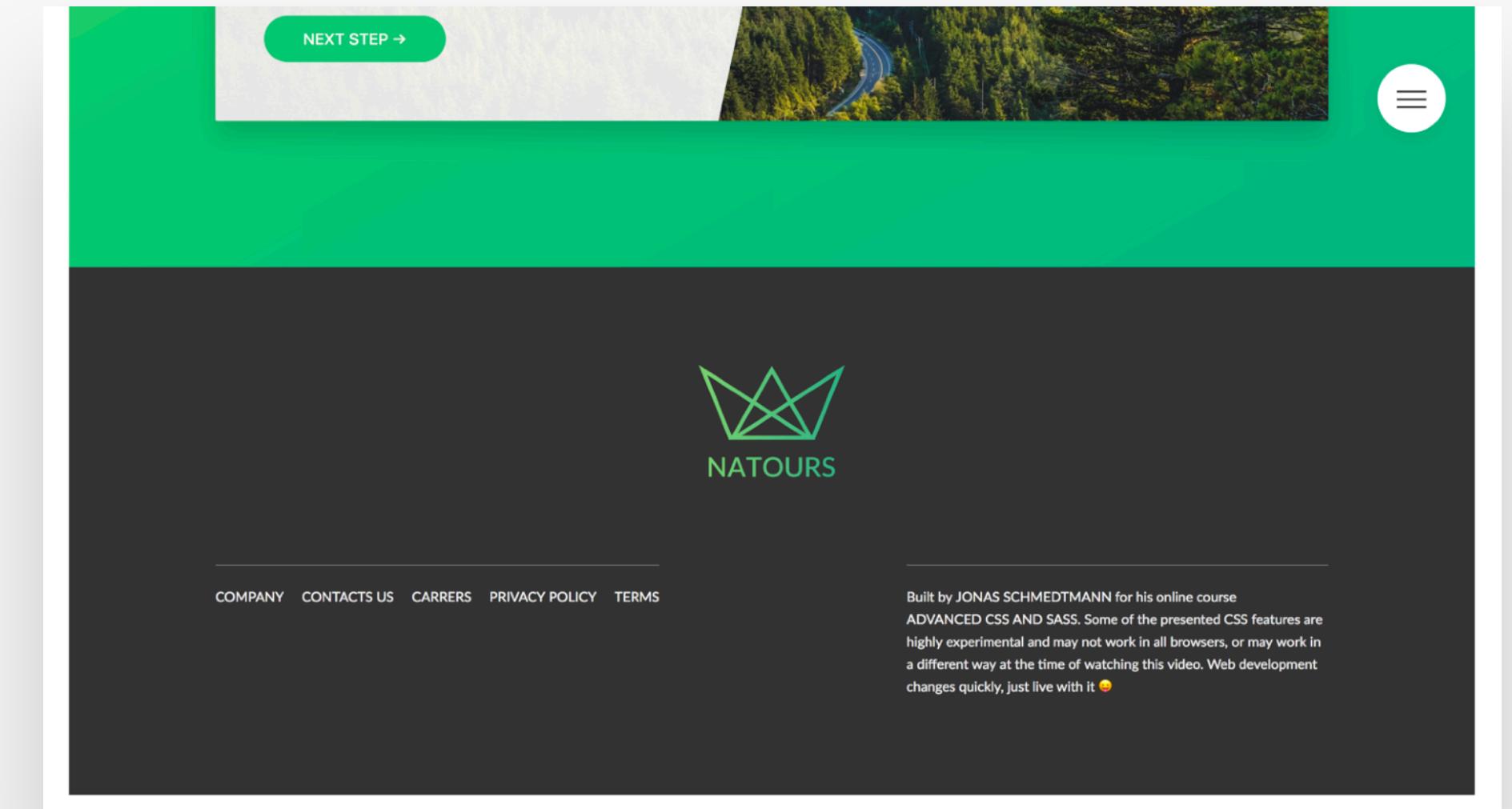
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE FOOTER

WHAT YOU WILL LEARN IN THIS LECTURE

- How to design a simple website footer.



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TAKE YOUR CSS TO THE NEXT LEVEL!



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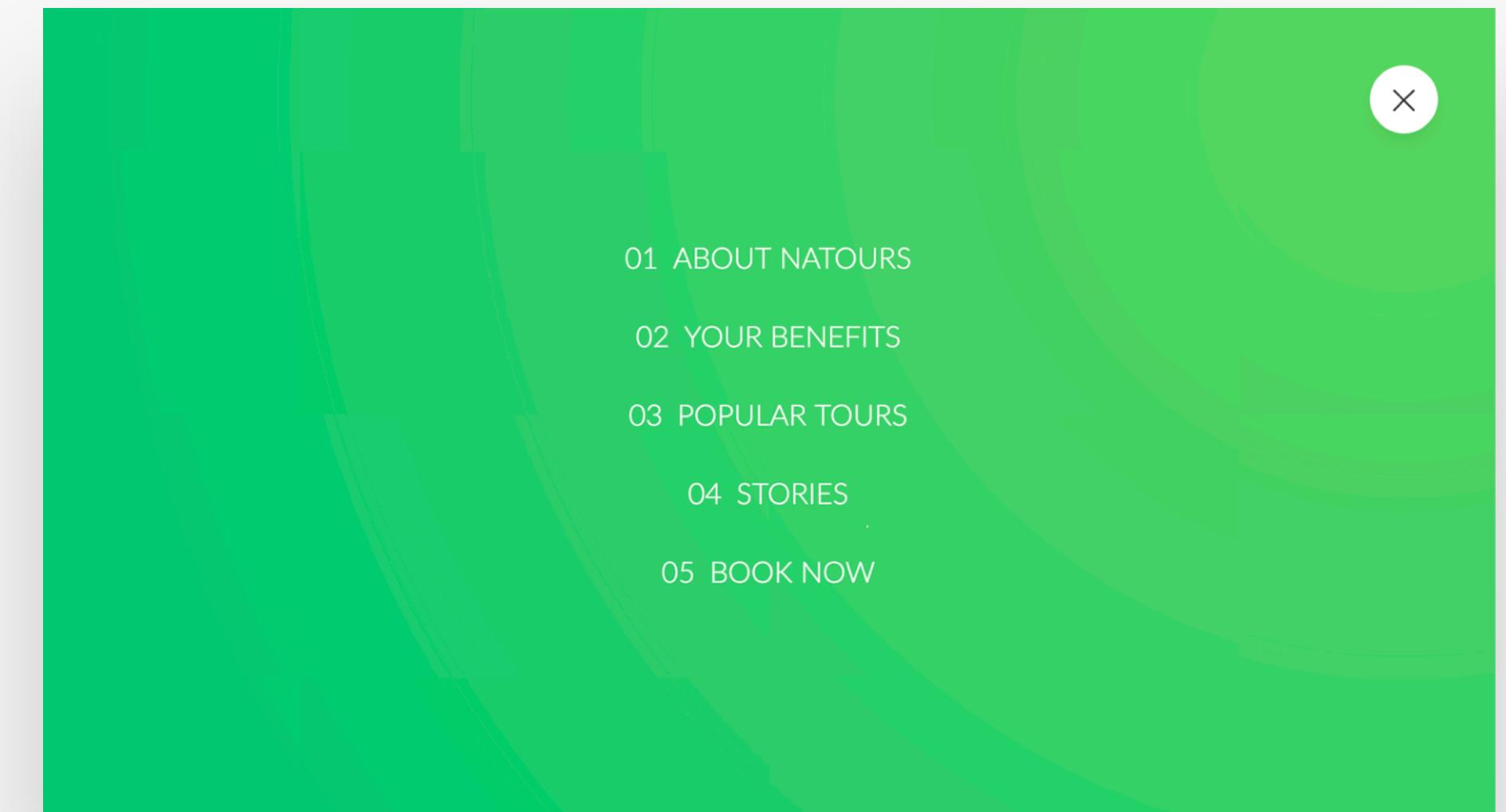
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE NAVIGATION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- What the “checkbox hack” is and how it works;
- How to create custom animation timing functions using cubic bezier curves;
- How to animate “solid-color gradients”;
- How and why to use transform-origin;
- In general: create an amazingly creative effect!





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!

SECTION

NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING THE NAVIGATION - PART 2



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CSS AND SASS (PART 2)

LECTURE

BUILDING THE NAVIGATION - PART 3

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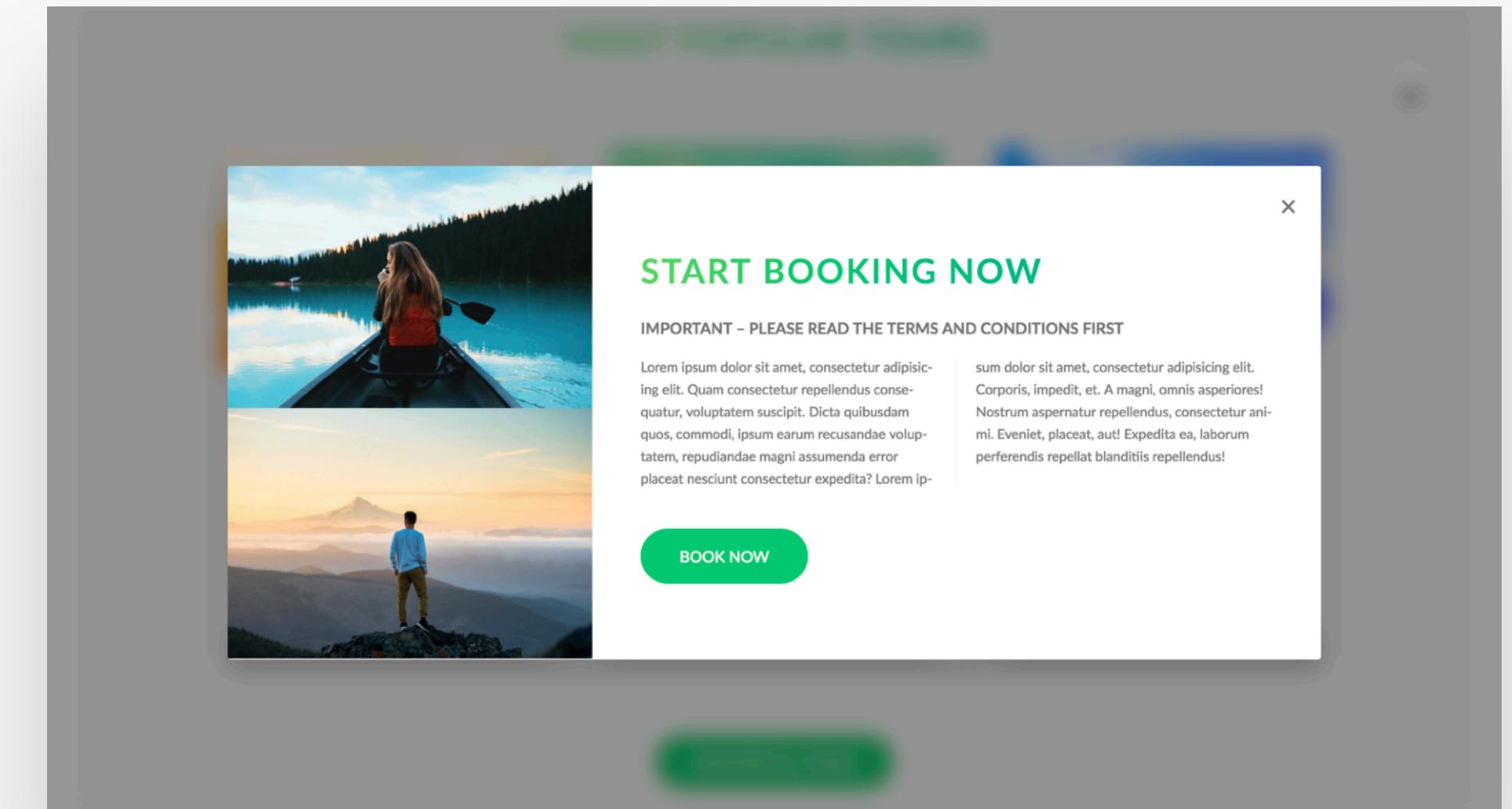
NATOURS PROJECT - USING ADVANCED
CSS AND SASS (PART 2)

LECTURE

BUILDING A PURE CSS POPUP - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to build a nice popup with only CSS;
- How to use the :target pseudo-class;
- How to create boxes with equal height using `display: table-cell;`
- How to create CSS text columns;
- How to automatically hyphenate words using hyphens.



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CSS AND SASS (PART 2)

LECTURE

BUILDING A PURE CSS POPUP - PART 2

**SECTION 6 –
NATOURS PROJECT
PART 3**



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SCHMEDTMANN

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NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

SECTION INTRO

ADVANCED CSS AND SASS

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NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

MOBILE-FIRST VS DESKTOP-FIRST AND
BREAKPOINTS

RESPONSIVE DESIGN STRATEGIES

```
html { font-size: 20px; }
@media (max-width: 600px) {
    html { font-size: 16px; }
}
```

- Start writing CSS for the desktop: large screen;
- Then, media queries shrink design to smaller screens.



MOBILE-FIRST

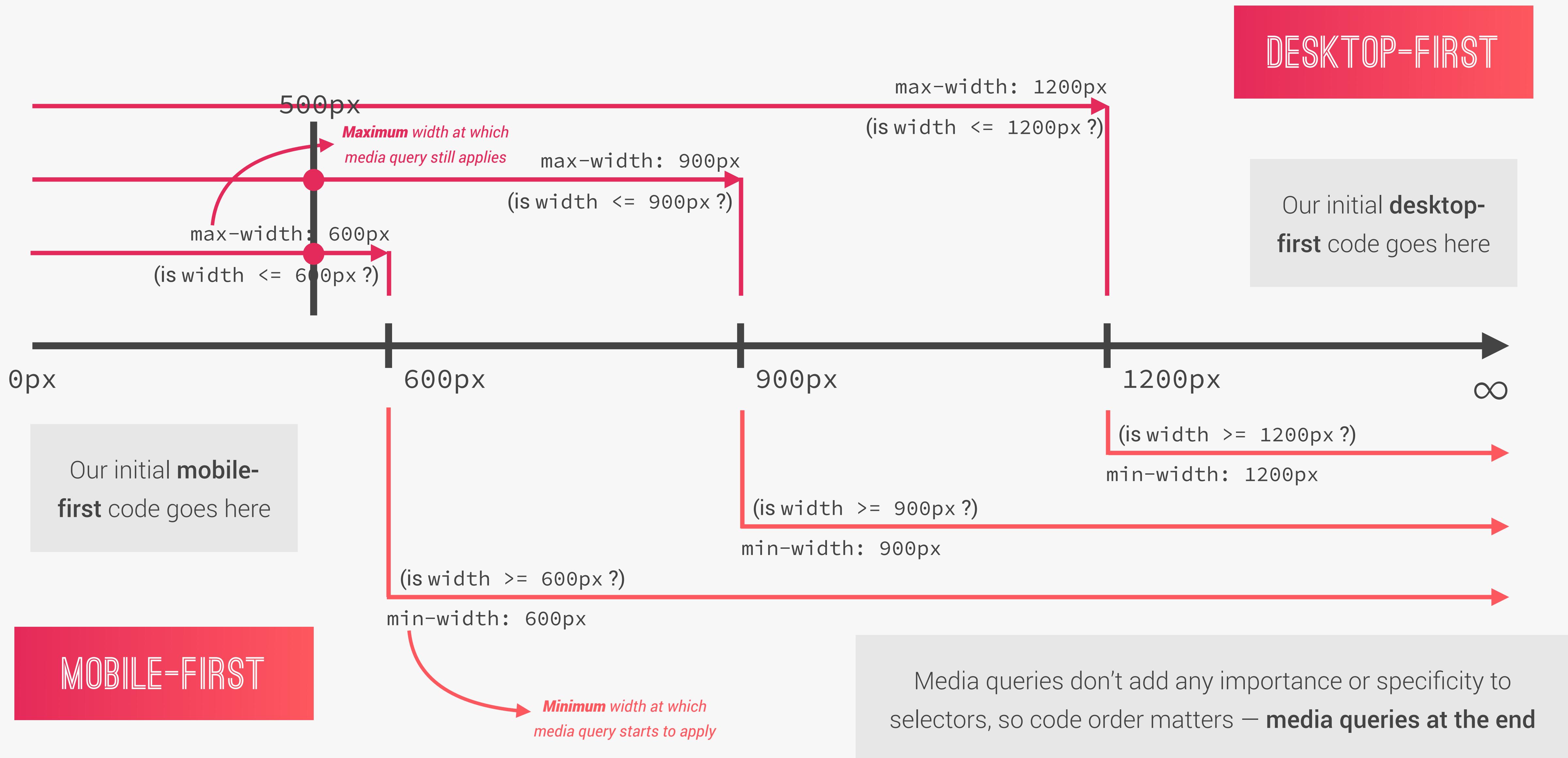
DESKTOP-FIRST



- Start writing CSS for mobile devices: small screen;
- Then, media queries expand design to a large desktop screen;
- Forces us to reduce websites and apps to the absolute essentials.

```
html { font-size: 16px; }
@media (min-width: 600px) {
    html { font-size: 20px; }
}
```

RESPONSIVE DESIGN STRATEGIES: MAX-WIDTH AND MIN-WIDTH



IS MOBILE-FIRST RIGHT FOR YOU?

PROS

- 100% optimised for the mobile experience;
- Reduces websites and apps to the absolute essentials;
- Results in smaller, faster and more efficient products;
- Prioritizes content over aesthetic design, which may be desirable.

CONS

- The desktop version might feel overly empty and simplistic;
- More difficult and counterintuitive to develop;
- Less creative freedom, making it more difficult to create distinctive products;
- Clients are used to see a desktop version of the site as a prototype;
- Do your users even use the mobile internet? What's the purpose of your website?

NO MATTER WHAT YOU DO, ALWAYS KEEP BOTH DESKTOP AND MOBILE IN MIND

SELECTING OUR BREAKPOINTS: THE OPTIONS

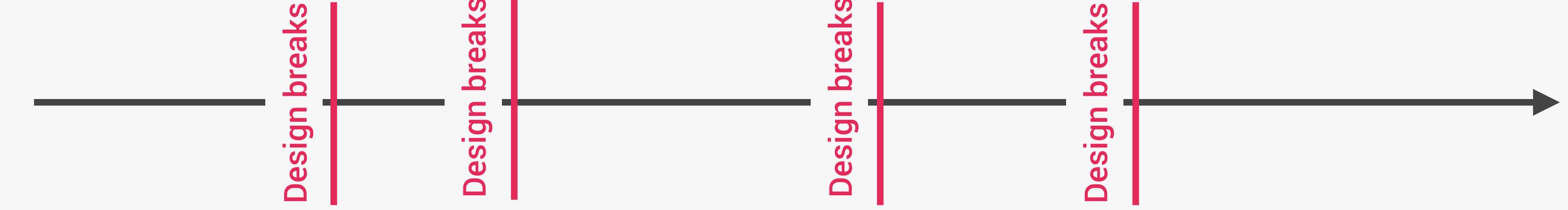
BAD



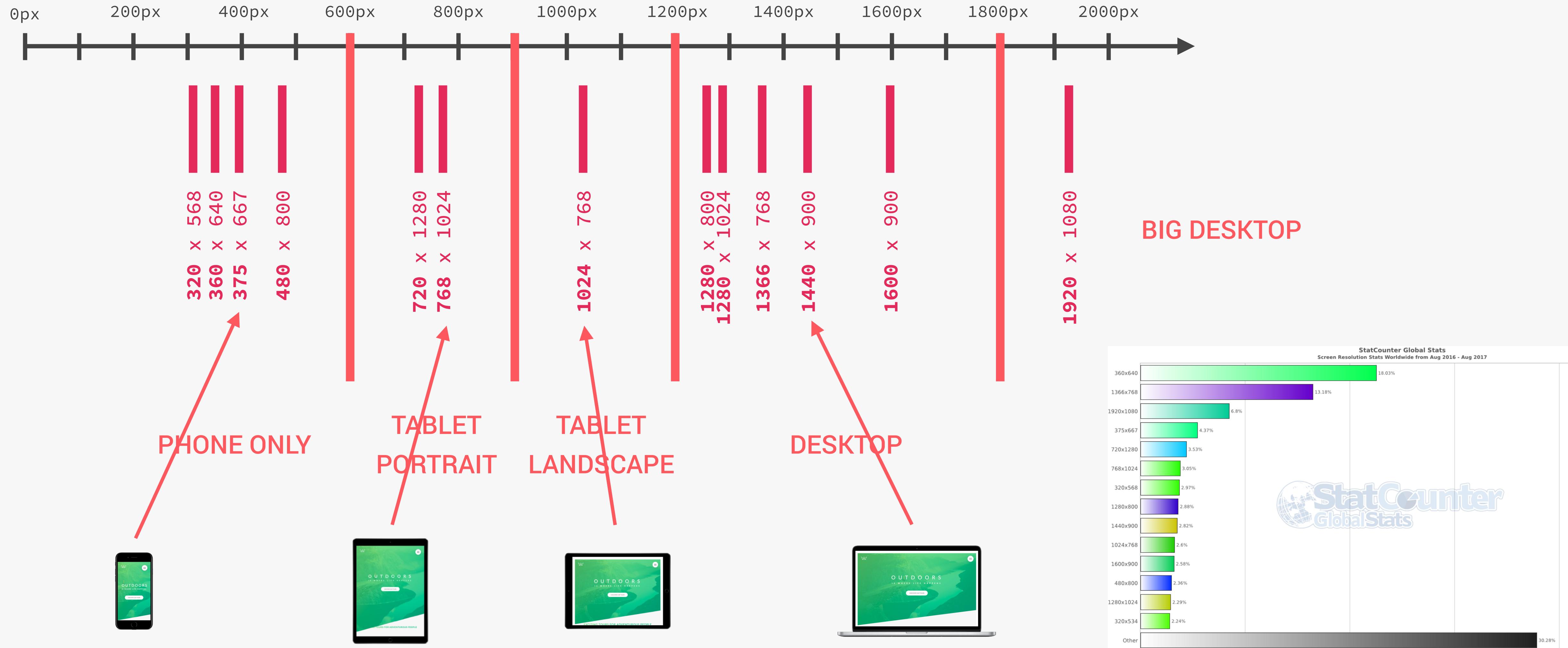
GOOD



PERFECT



SELECTING OUR BREAKPOINTS: A GOOD APPROACH



[<http://gs.statcounter.com/screen-resolution-stats#monthly-201608-201708-bar>]

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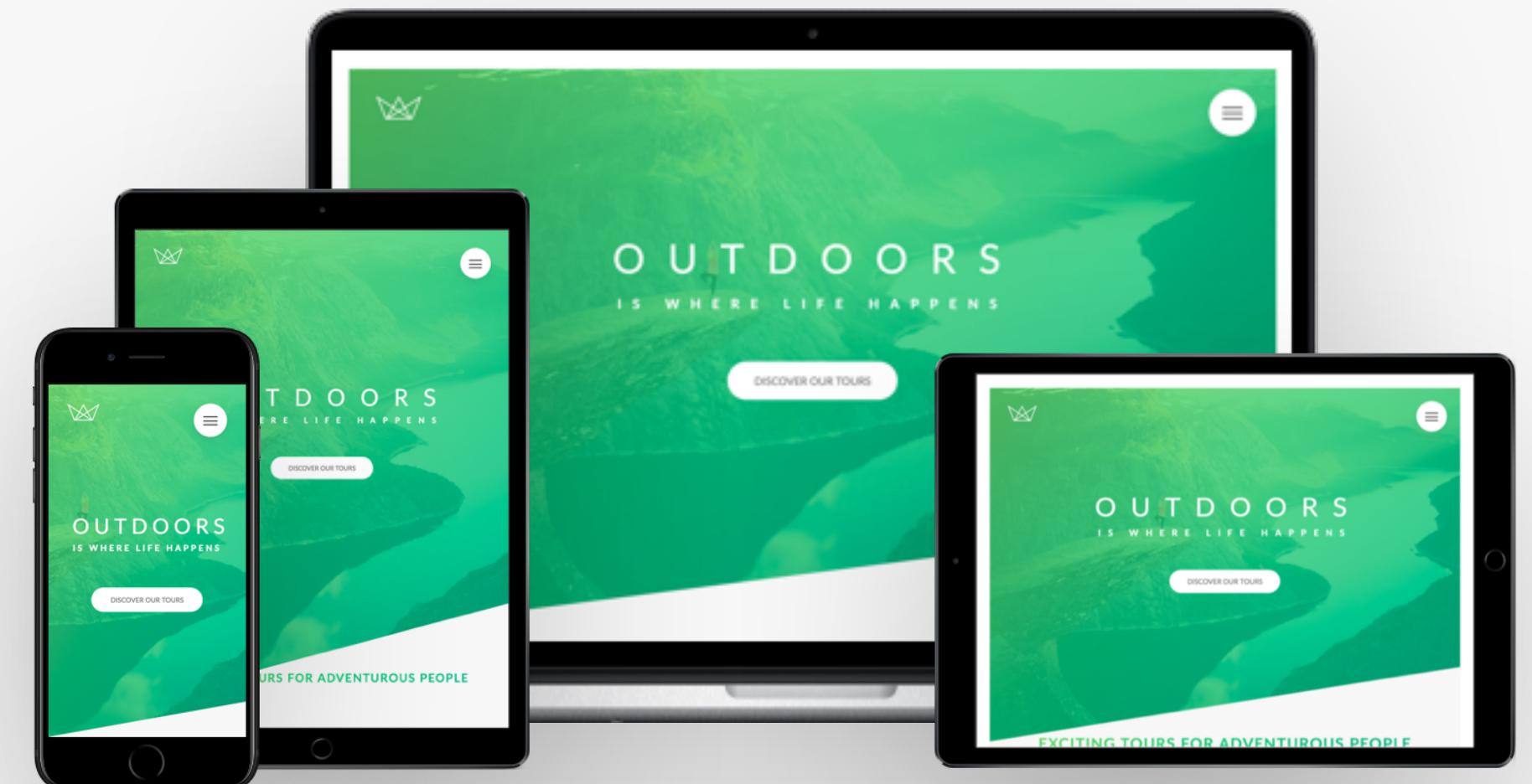
NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

LET'S USE THE POWER OF SASS MIXINS
TO WRITE MEDIA QUERIES

WHAT YOU WILL LEARN IN THIS LECTURE

- How to use a powerful Sass mixing to write all our media queries;
- How to use the @content and @if Sass directives;
- Taking advantage of Chrome DevTools for responsive design.



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NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

WRITING MEDIA QUERIES - BASE,
TYPOGRAPHY AND LAYOUT

ADVANCED CSS AND SASS

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RESPONSIVE DESIGN (PART 3)

LECTURE

WRITING MEDIA QUERIES - LAYOUT,
ABOUT AND FEATURES SECTIONS

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RESPONSIVE DESIGN (PART 3)

LECTURE

WRITING MEDIA QUERIES - TOURS,
STORIES AND BOOKING SECTIONS

ADVANCED CSS AND SASS

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NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

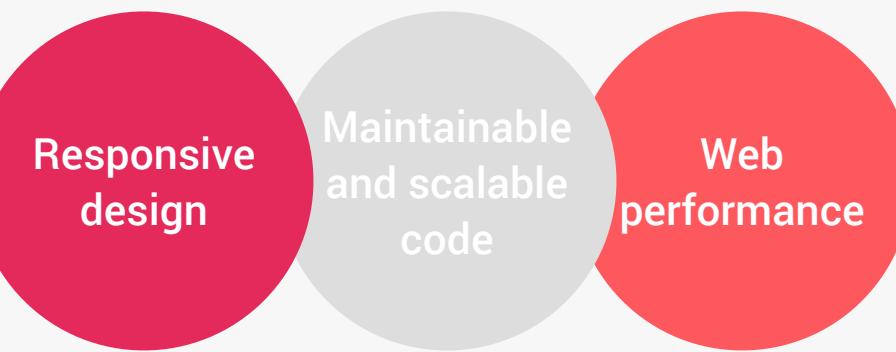
LECTURE

AN OVERVIEW OF RESPONSIVE IMAGES

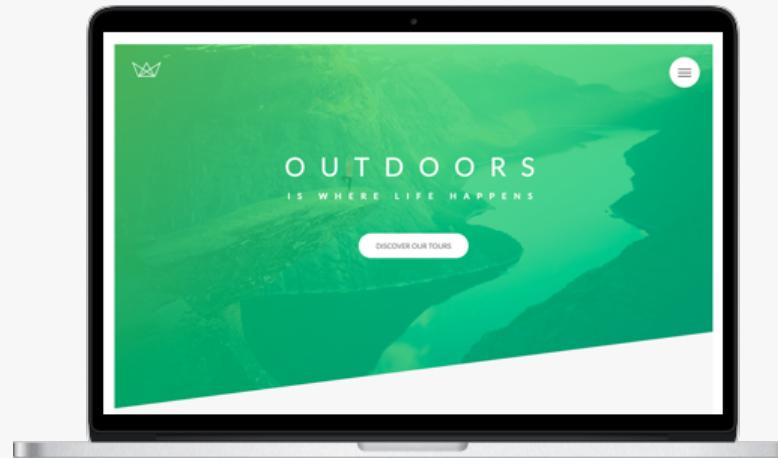
WHAT ARE RESPONSIVE IMAGES ANYWAY?

RESPONSIVE IMAGES

The goal of responsive images is to serve the **right image** to the **right screen size** and device, in order to avoid downloading unnecessary large images on smaller screens.



1MB 😊



1MB 😡



1MB 😊

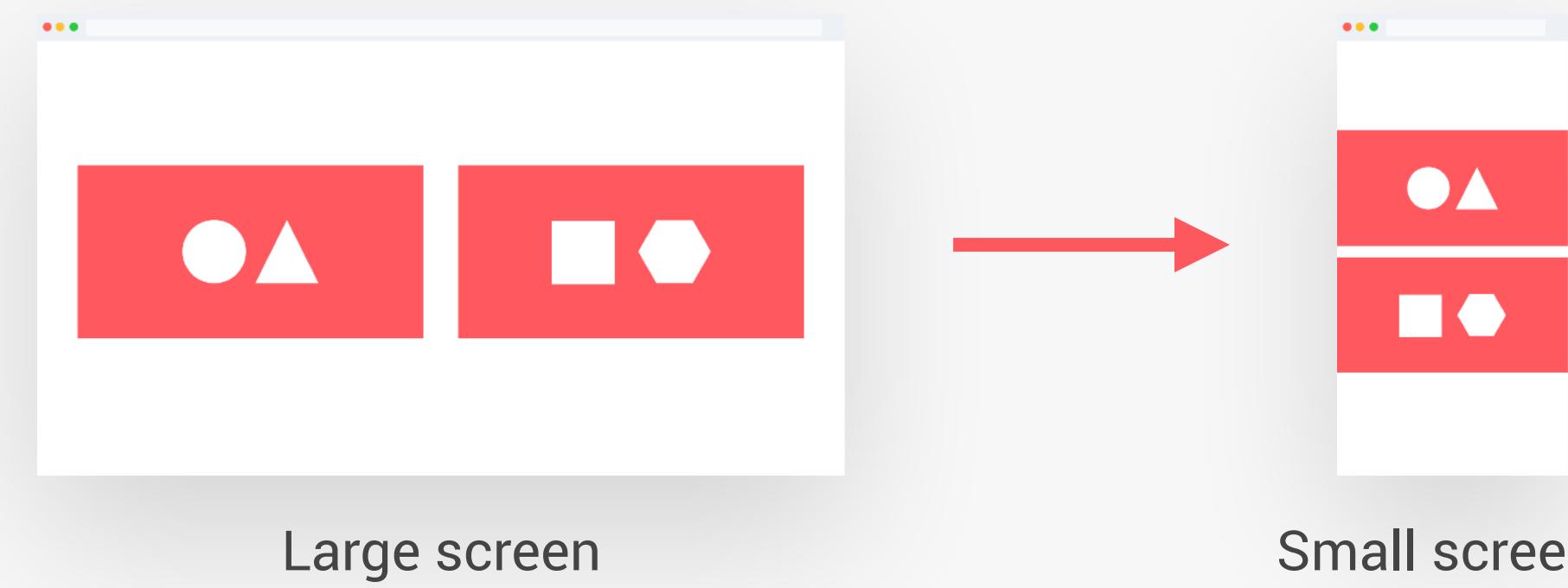


200kb 😊



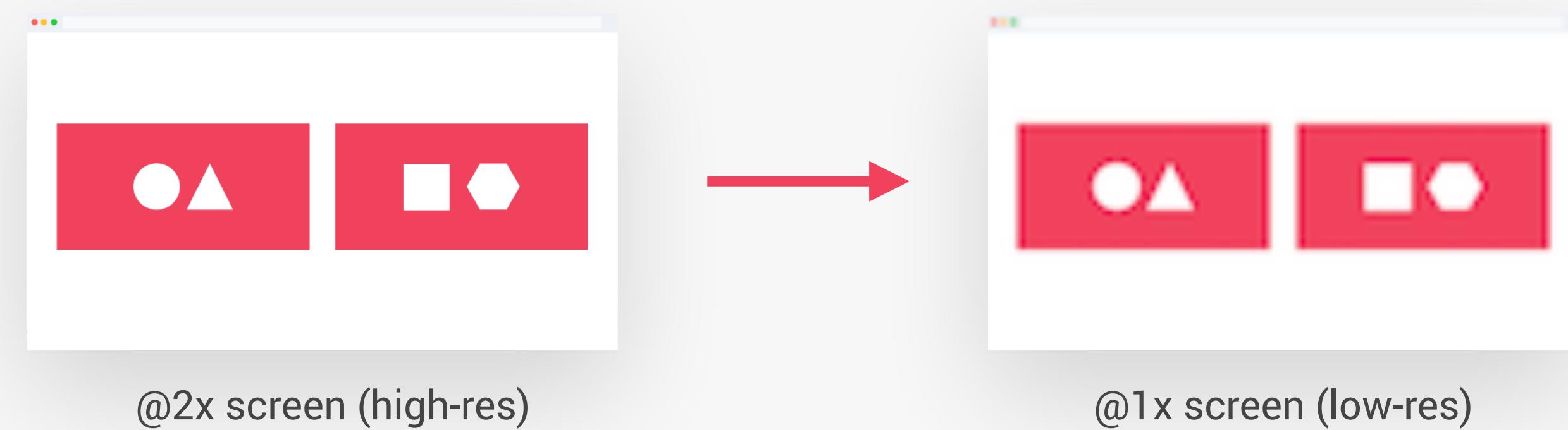
WHEN TO USE RESPONSIVE IMAGES: THE 3 USE CASES

RESOLUTION SWITCHING



(Decrease image resolution on smaller screen)

DENSITY SWITCHING



(Half the image resolution on @1x screen)

ART DIRECTION

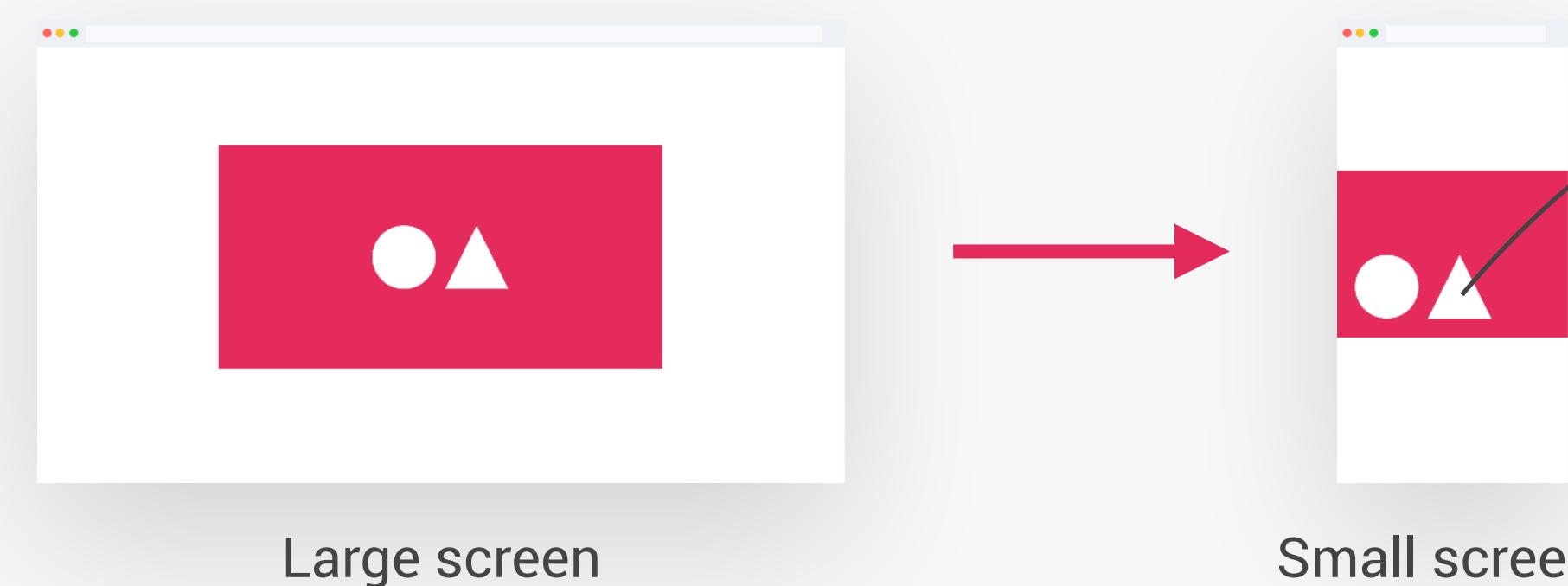


Image details were preserved, but the image is different
(Different image on smaller screen)



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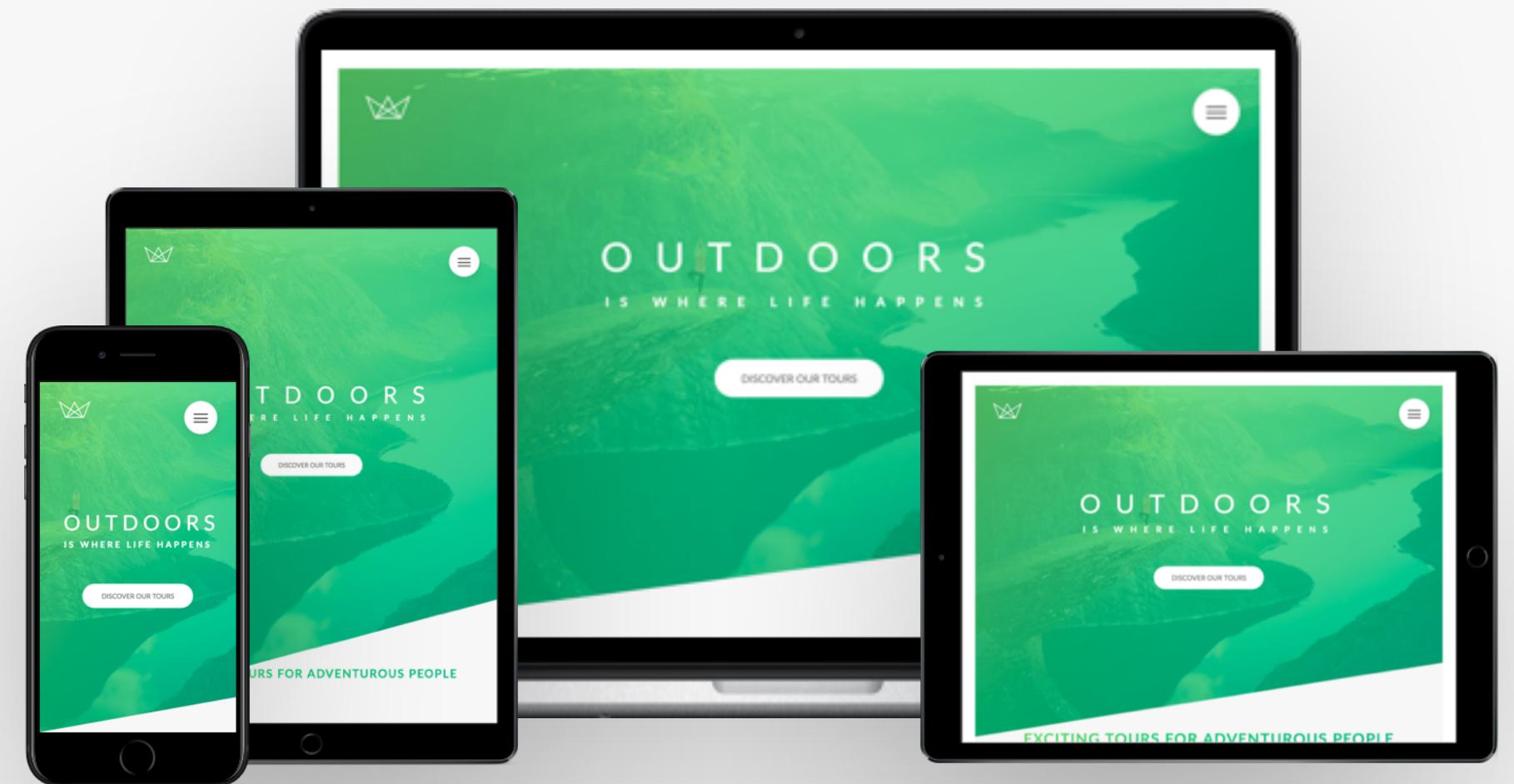
NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

RESPONSIVE IMAGES IN HTML - ART
DIRECTION AND DENSITY SWITCHING

WHAT YOU WILL LEARN IN THIS LECTURE

- How to use the `srcset` attribute on the `` and `<source>` elements, together with density descriptors;
- How and why to use the `<picture>` element for art direction;
- How to write media queries in HTML.





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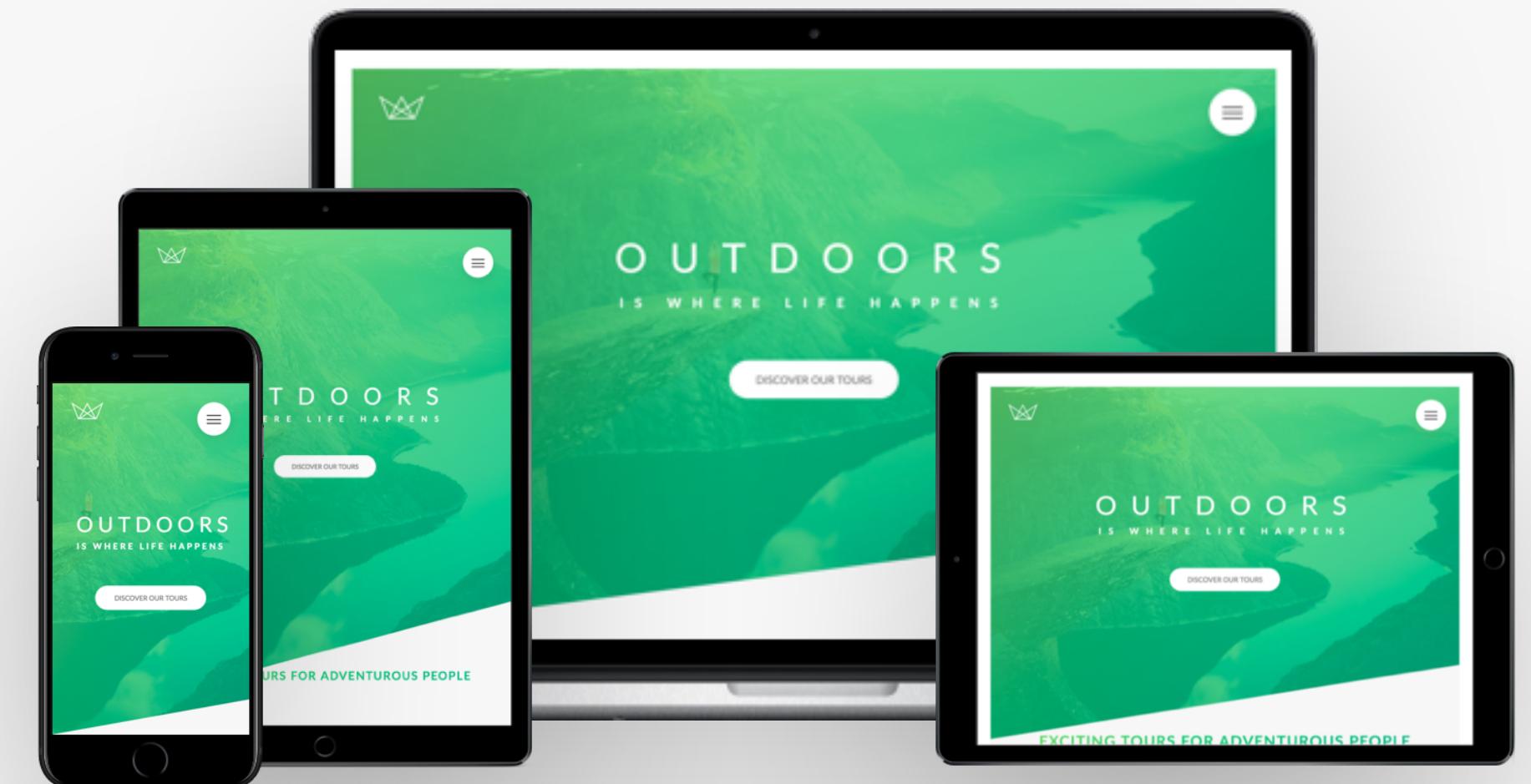
NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

RESPONSIVE IMAGES IN HTML - DENSITY
AND RESOLUTION SWITCHING

WHAT YOU WILL LEARN IN THIS LECTURE

- How to allow the browser to decide the best image to download, using the `srcset` attribute, width descriptors, and the `sizes` attribute of the `` element.





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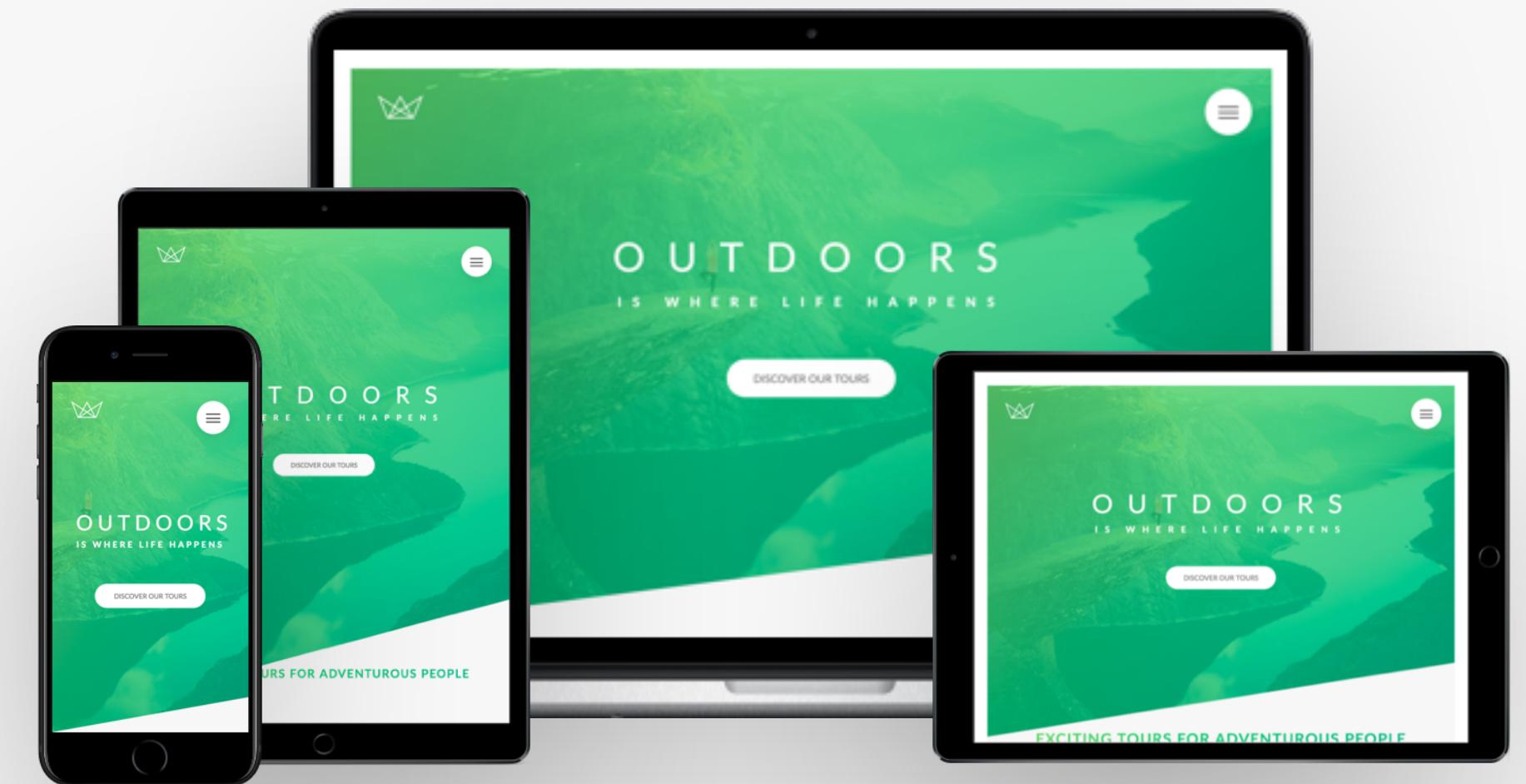
NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

RESPONSIVE IMAGES IN CSS

WHAT YOU WILL LEARN IN THIS LECTURE

- How to implement responsive images in CSS;
- How to use resolution media queries to target high-resolution screens with 2x.
- How to combine multiple conditions in media queries.



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TAKE YOUR CSS TO THE NEXT LEVEL!



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RESPONSIVE DESIGN (PART 3)

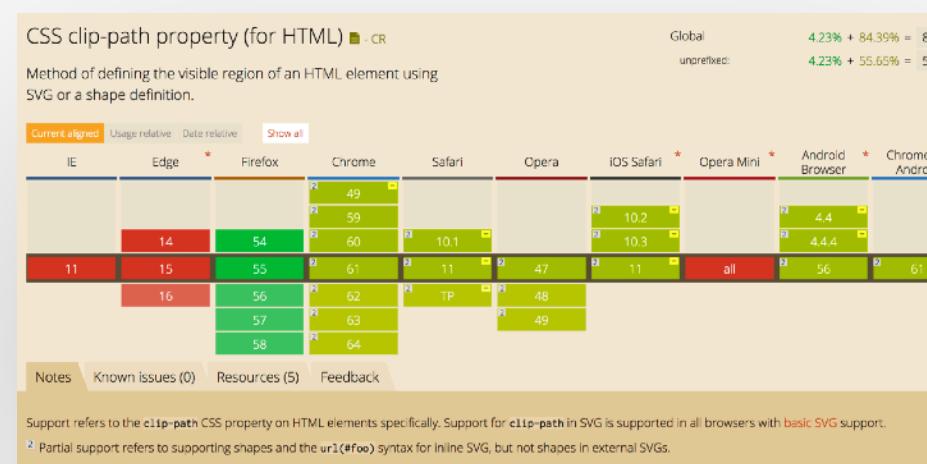
LECTURE

TESTING FOR BROWSER SUPPORT WITH
@SUPPORTS

WARNING!

MANY OF THE NEW CSS FEATURES I SHOWED YOU ARE
HIGHLY EXPERIMENTAL AND ONLY WORK IN TOP
MODERN BROWSERS

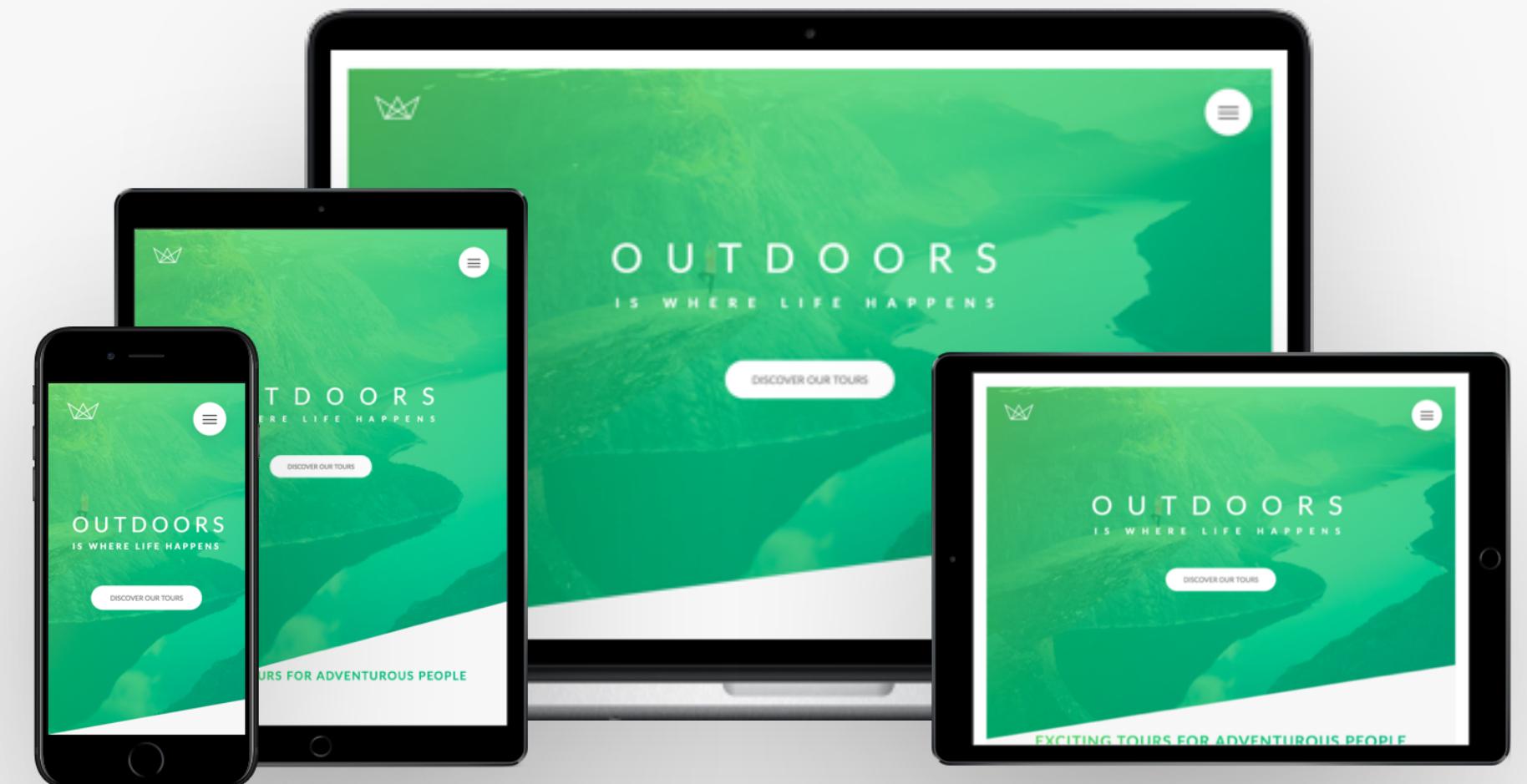
ALWAYS CHECK [CANIUSE.COM](http://caniuse.com) BEFORE USING A
MODERN CSS PROPERTY IN PRODUCTION



USE GRACEFUL DEGRADATION WITH @SUPPORTS

WHAT YOU WILL LEARN IN THIS LECTURE

- How to use @supports feature queries;
- Implement graceful degradation on selected properties;
- How to use backdrop-filter.





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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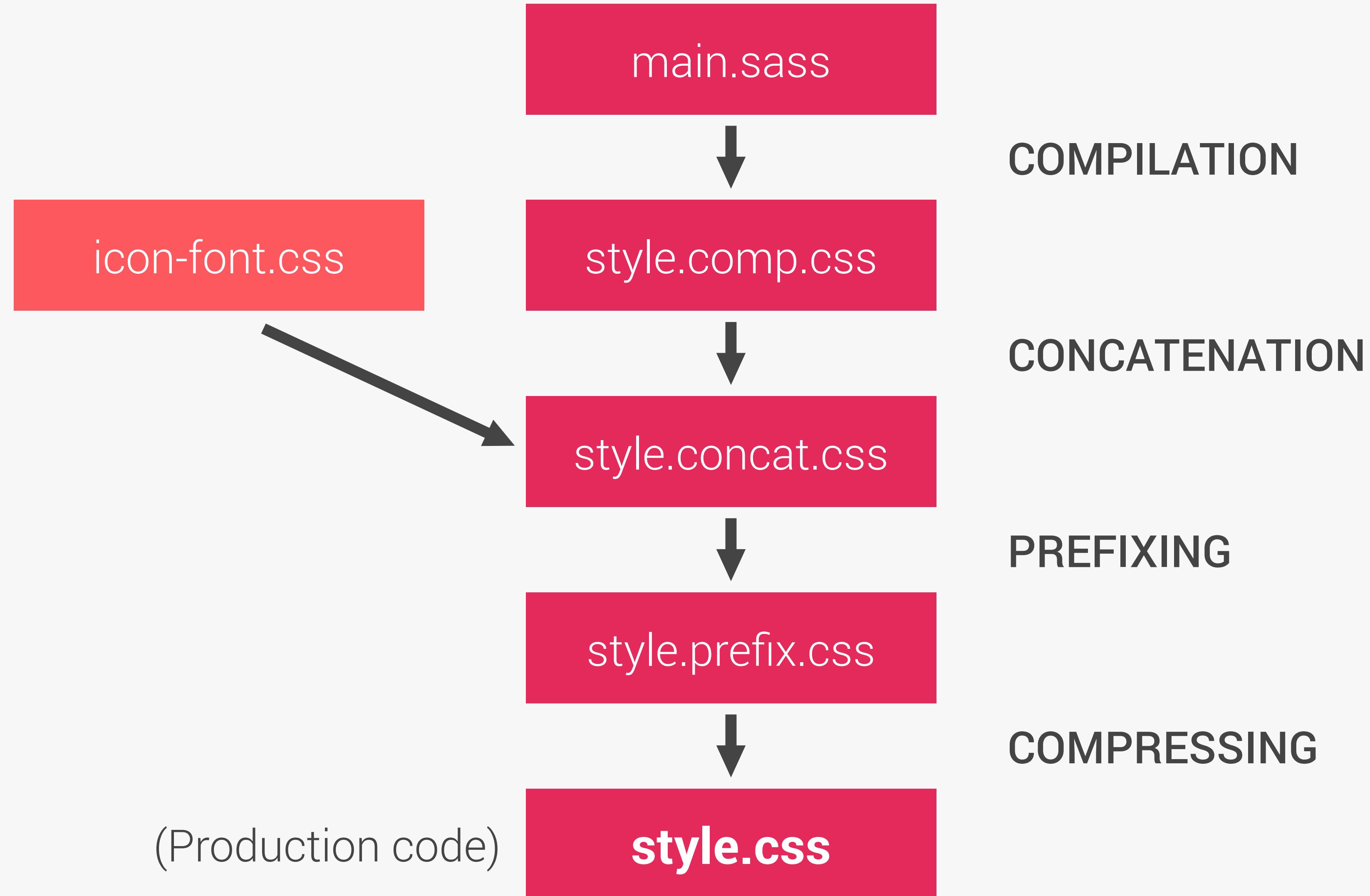
SECTION

NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

SETTING UP A SIMPLE BUILD PROCESS
WITH NPM SCRIPTS

A SIMPLE BUILD PROCESS



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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SECTION

NATOURS PROJECT - ADVANCED
RESPONSIVE DESIGN (PART 3)

LECTURE

WRAPPING UP THE NATOURS PROJECT:
FINAL CONSIDERATIONS

SECTION 7 – TRILLO PROJECT: MASTER FLEXBOX!

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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SECTION

TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

SECTION INTRO

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

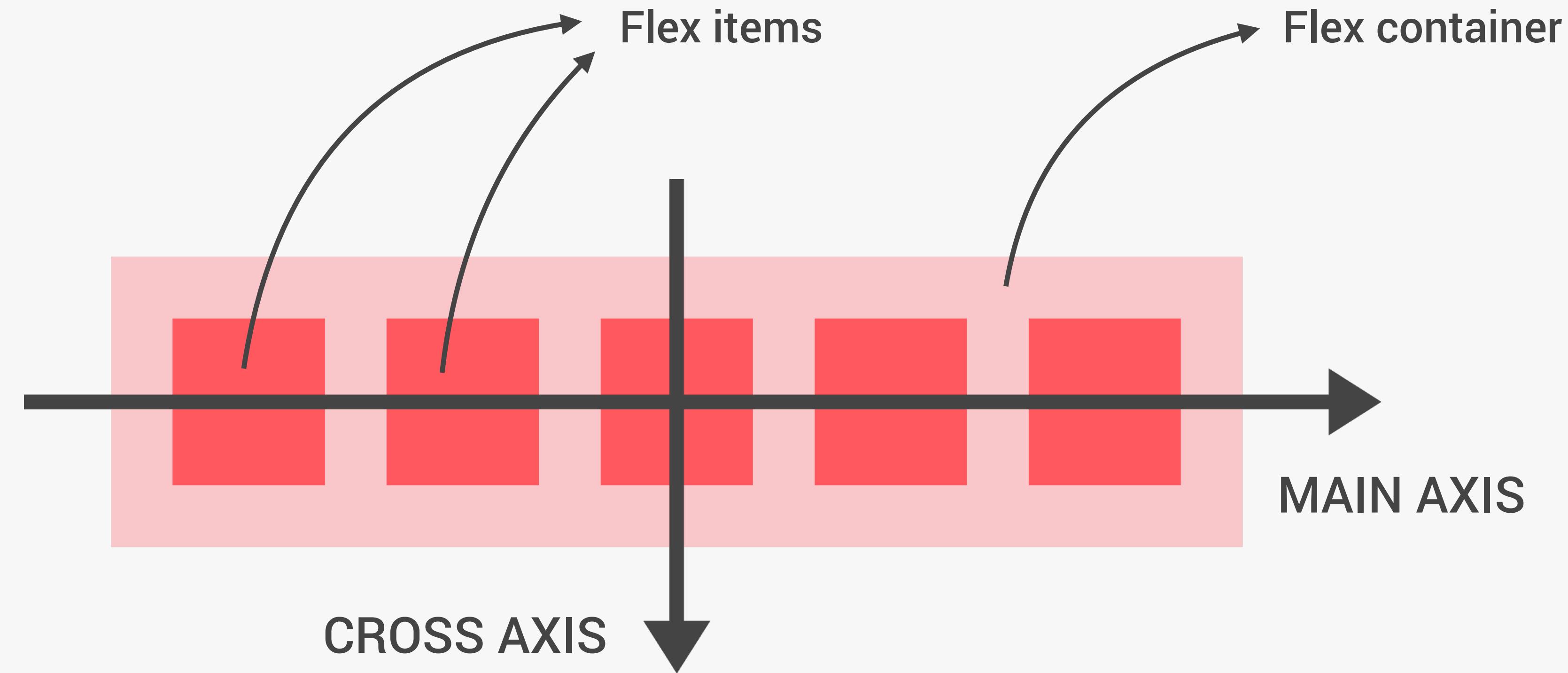
WHY FLEXBOX: AN OVERVIEW OF THE PHILOSOPHY BEHIND FLEXBOX

A TRUE REVOLUTION

FLEXBOX

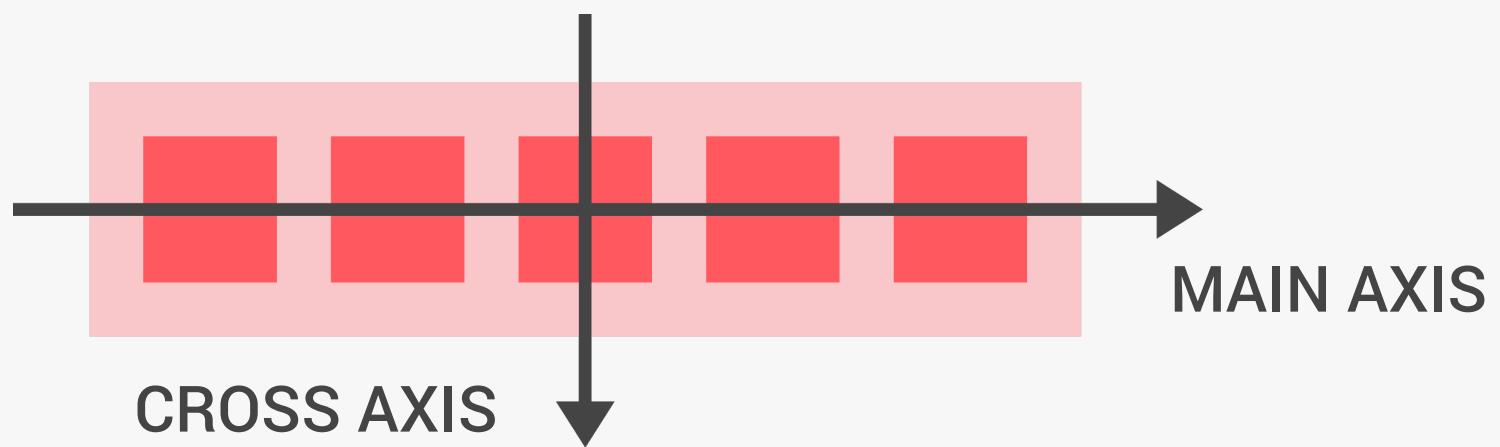
- Flexbox is a new module in CSS3 that makes it easy to align elements to one another, in different directions and orders;
- The main idea behind flexbox is to give the container the ability to expand and to shrink elements to best use all the available space;
- Flexbox replaces float layouts, using less, and more readable and logical code;
- Flexbox completely changes the way that we build one-dimensional layouts;
- A true revolution in CSS!

MAIN FLEXBOX CONCEPTS



`display: flex`
(`display: flex-inline`)

FLEXBOX PROPERTIES OVERVIEW



CONTAINER

1 **flex-direction:** row | row-reverse | column | column-reverse

2 **flex-wrap:** nowrap | wrap | wrap-reverse

3 **justify-content:** flex-start | flex-end | center | space-between | space-around | space-evenly

4 **align-items:** stretch | flex-start | flex-end | center | baseline

5 **align-content:** stretch | flex-start | flex-end | center | space-between | space-around

ITEM

1 **align-self:** auto | stretch | flex-start | flex-end | center | baseline

2 **order:** 0 | <integer>

3 **flex-grow:** 0 | <integer>

4 **flex-shrink:** 1 | <integer>

5 **flex-basis:** auto | <length>

flex: 0 1 auto | <int> <int> <len>

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TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

A BASIC INTRO TO FLEXBOX: THE FLEX CONTAINER

ADVANCED CSS AND SASS

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TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

A BASIC INTRO TO FLEXBOX: FLEX ITEMS

ADVANCED CSS AND SASS

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TRILLO PROJECT - MASTER FLEXBOX!

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A BASIC INTRO TO FLEXBOX: ADDING
MORE FLEX ITEMS

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LECTURE

PROJECT OVERVIEW

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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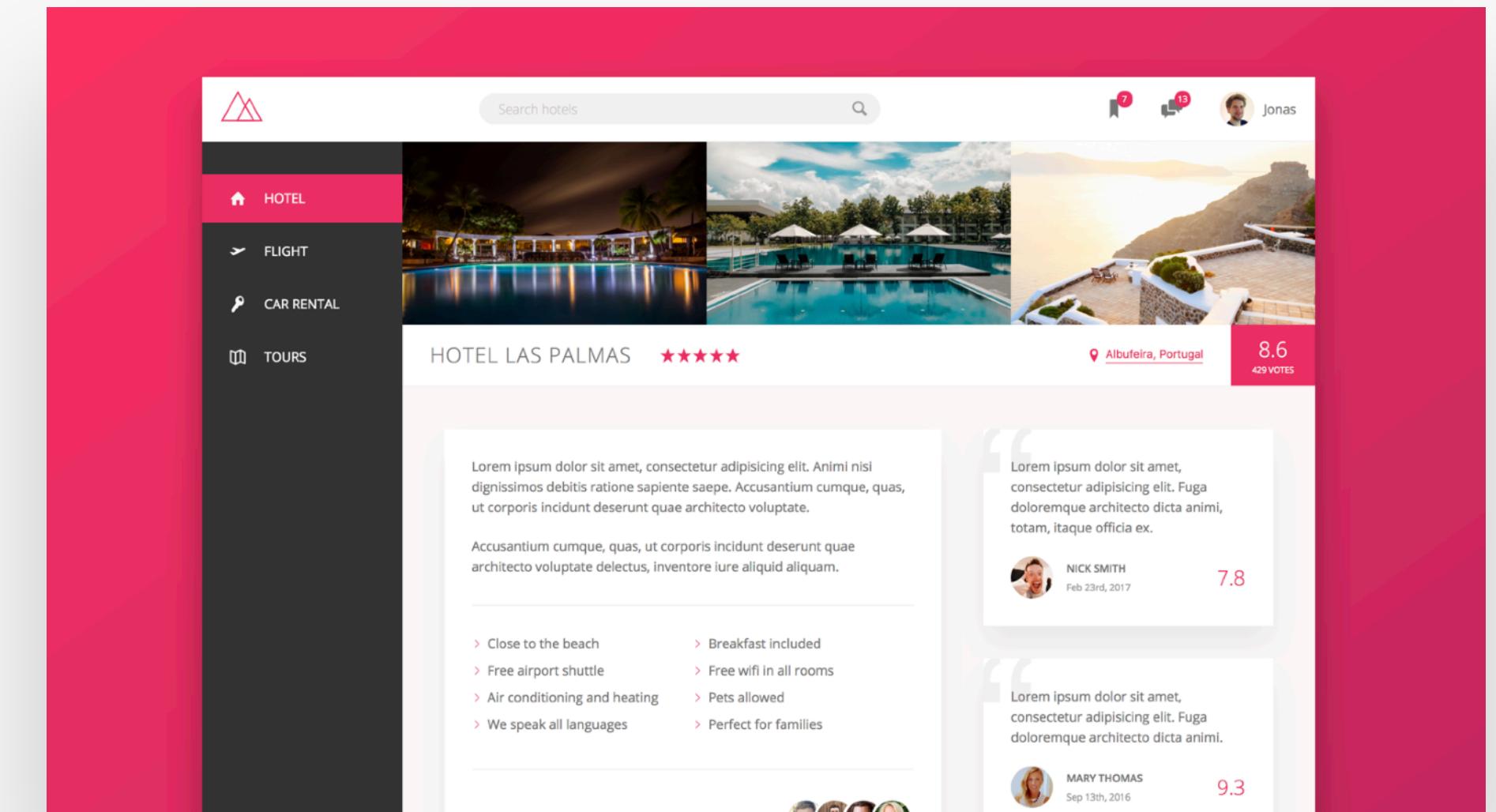
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

DEFINING PROJECT SETTINGS AND
CUSTOM PROPERTIES

WHAT YOU WILL LEARN IN THIS LECTURE

- How and why to use CSS custom properties.



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TAKE YOUR CSS TO THE NEXT LEVEL!



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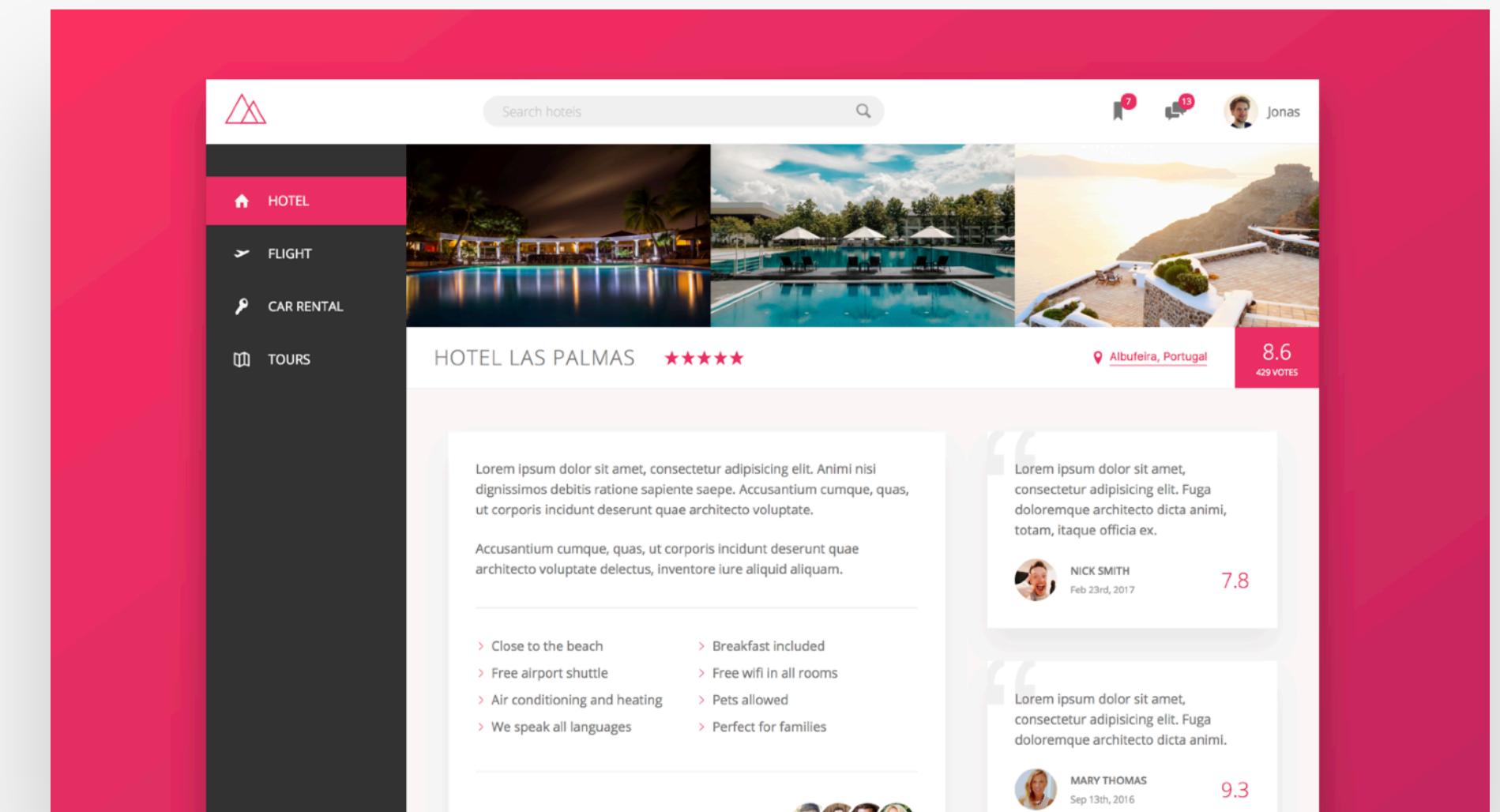
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE OVERALL LAYOUT

WHAT YOU WILL LEARN IN THIS LECTURE

- How to think about the overall layout of an app;
- Use flexbox in a real-world project for the first time.





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TAKE YOUR CSS TO THE NEXT LEVEL!



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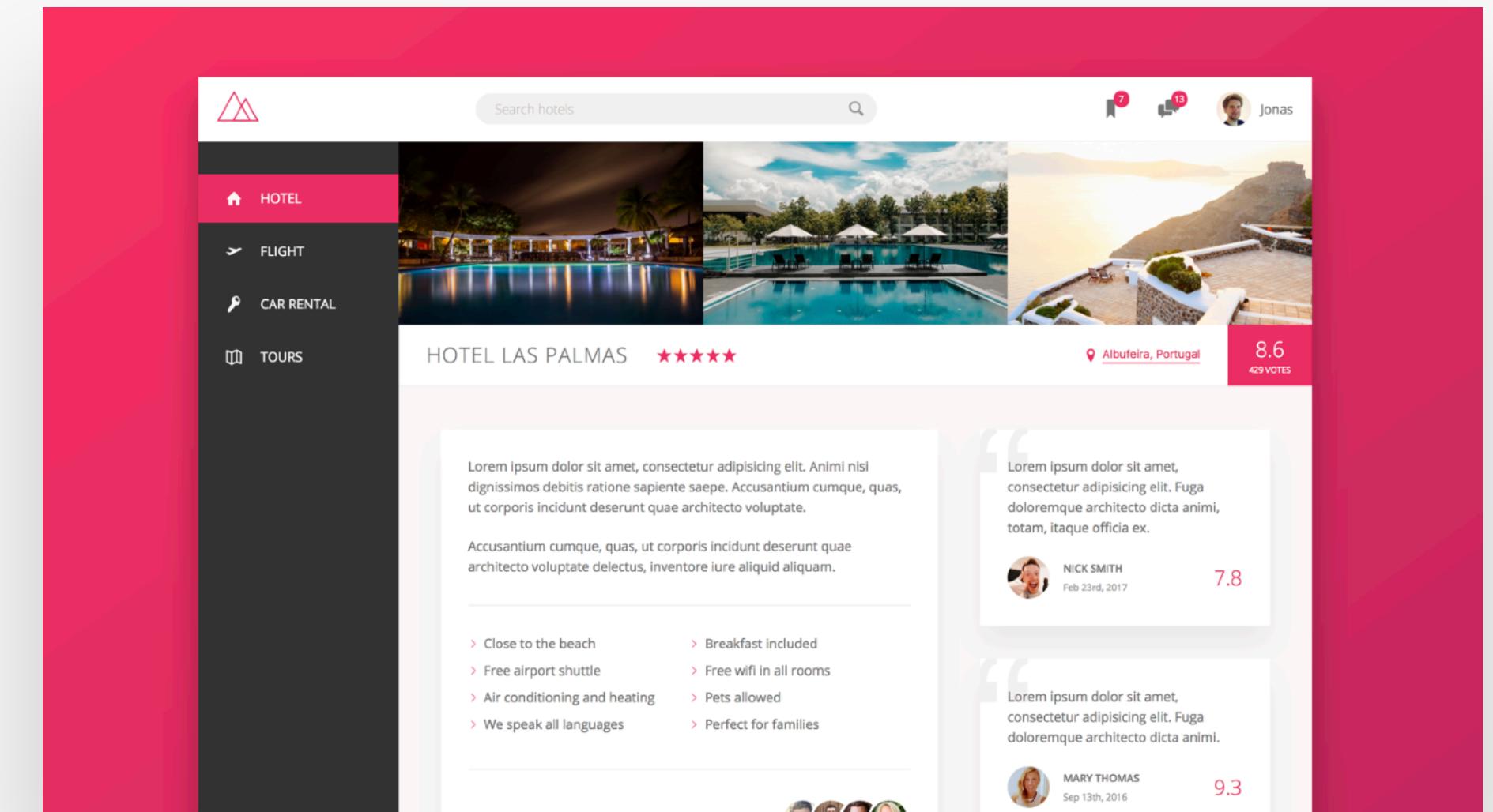
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE HEADER - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- Why to use SVG icons vs. font icons;
- How to find, generate and use SVG sprites in HTML;
- How to change the color of an SVG icon in CSS;
- How to use more advanced flexbox alignment techniques, including justify-content, align-items, align-self and flex.



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TAKE YOUR CSS TO THE NEXT LEVEL!



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LECTURE

BUILDING THE HEADER - PART 2

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BUILDING THE HEADER - PART 3

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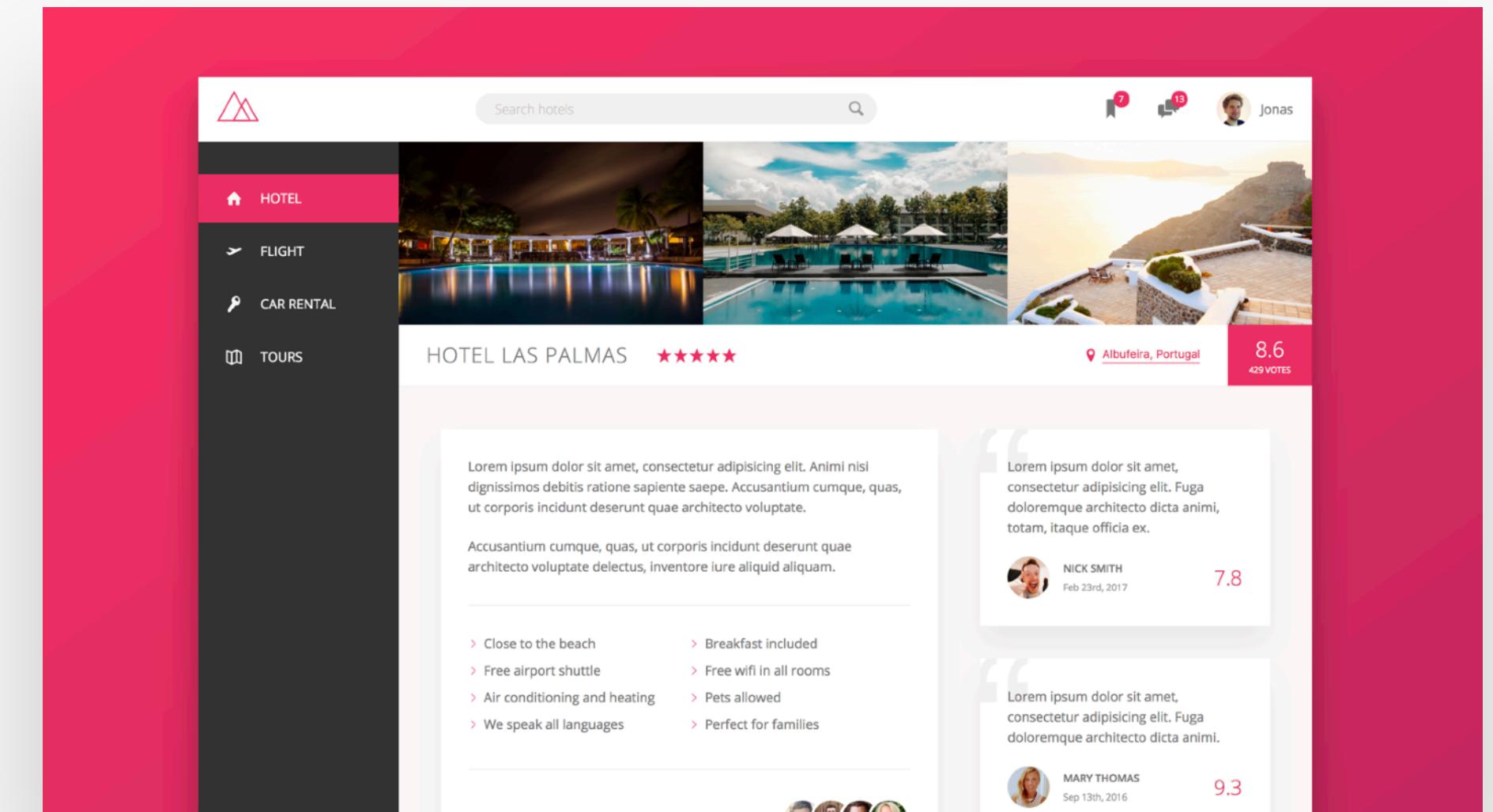
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE NAVIGATION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to use scaleY and multiple transition properties with different settings, to create a creative hover effect;
- How and why to use the currentColor CSS variable;
- How to use some more advanced flexbox alignment techniques, including flex-direction, justify-content and align-items.





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BUILDING THE NAVIGATION - PART 2

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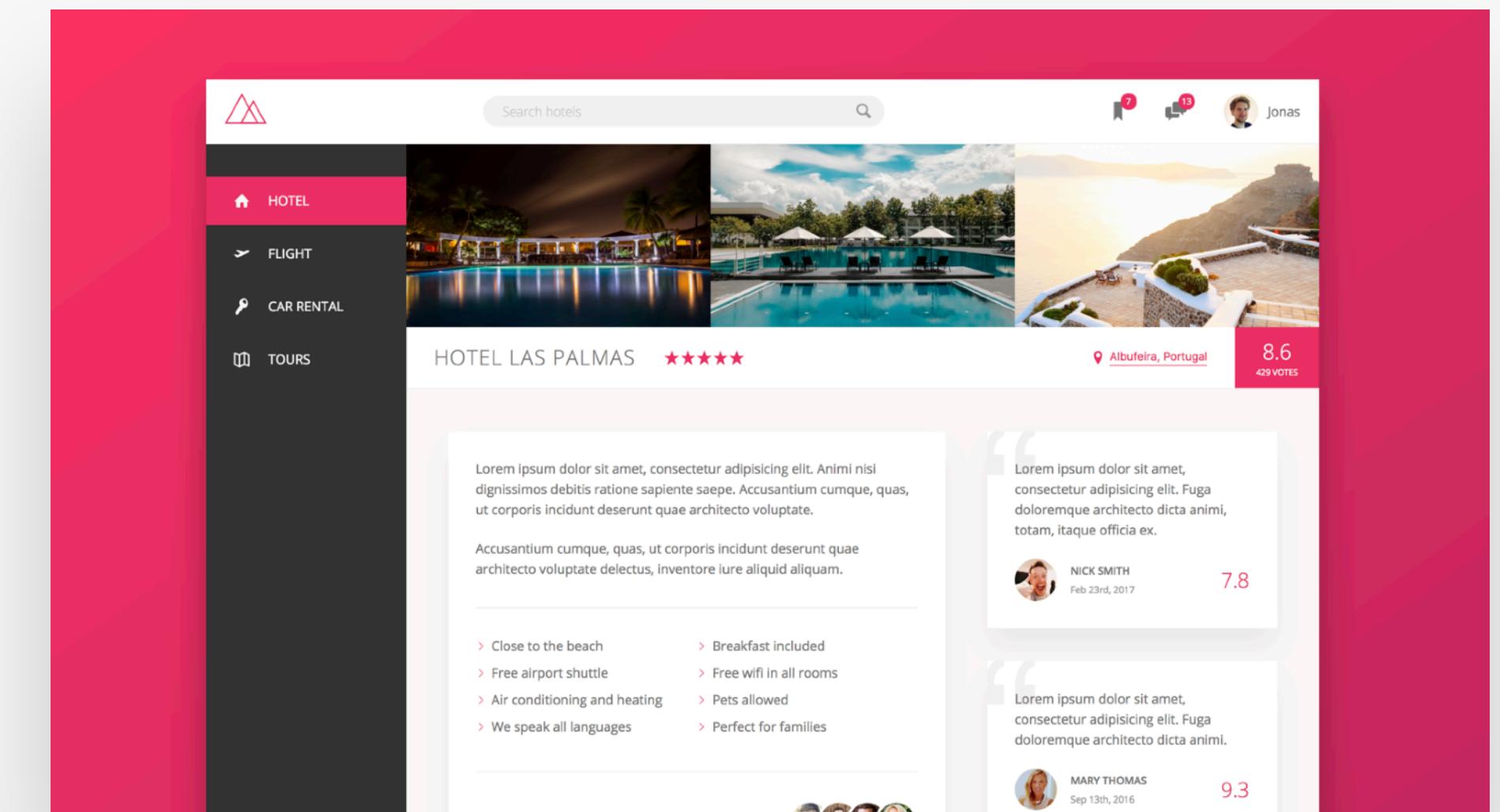
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE HOTEL OVERVIEW - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to create an infinite animation;
- How to use margin: auto with flexbox, and why it's so powerful;
- Continue to use flexbox properties for easy positioning and alignment.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE HOTEL OVERVIEW - PART 2



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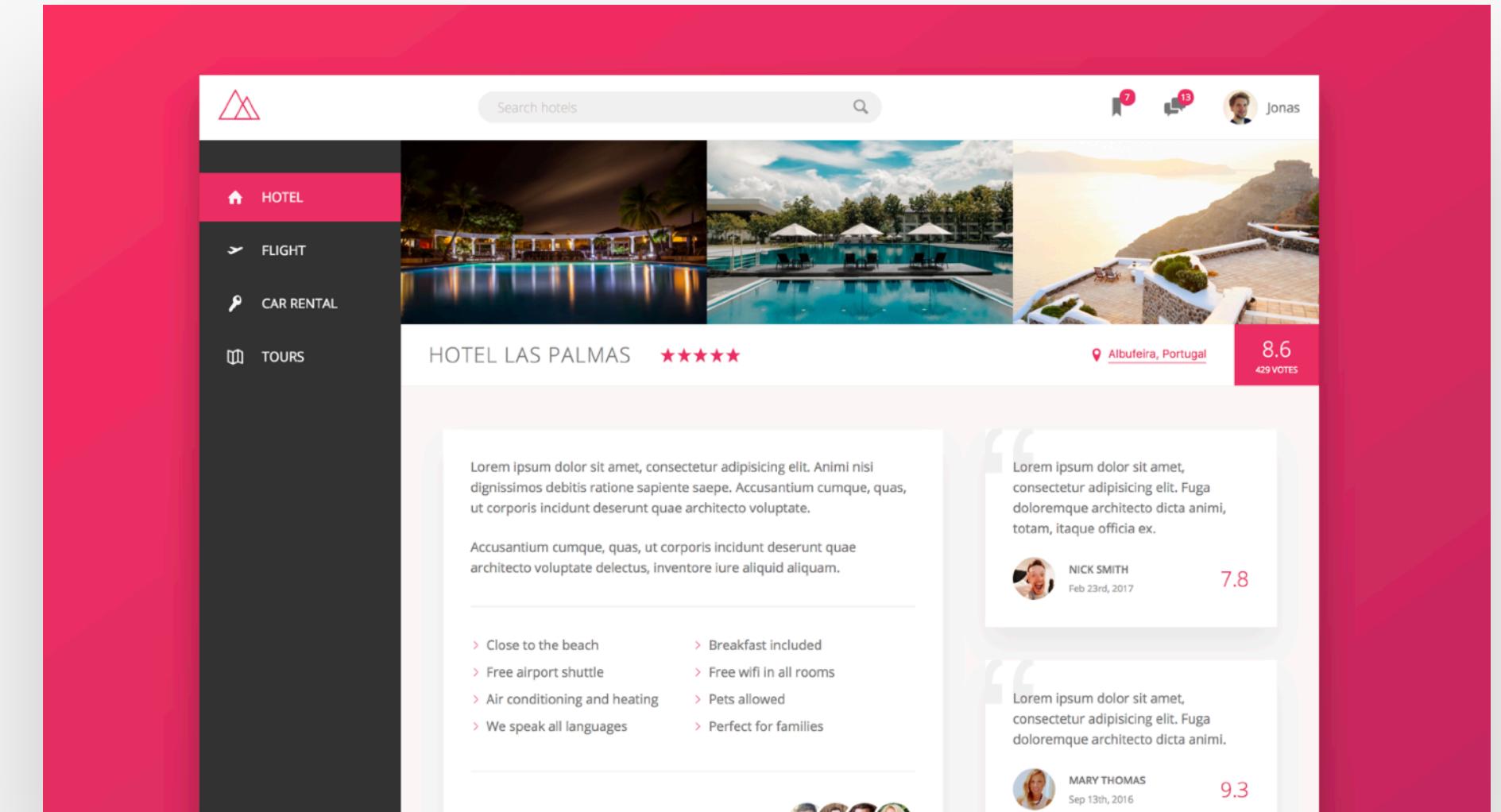
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE DESCRIPTION SECTION -
PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- Continue to use flexbox, including flex-wrap to build a multi-column list;
- How and why to use CSS masks with mask-image and mask-size.





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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BUILDING THE DESCRIPTION SECTION -
PART 2

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TAKE YOUR CSS TO THE NEXT LEVEL!



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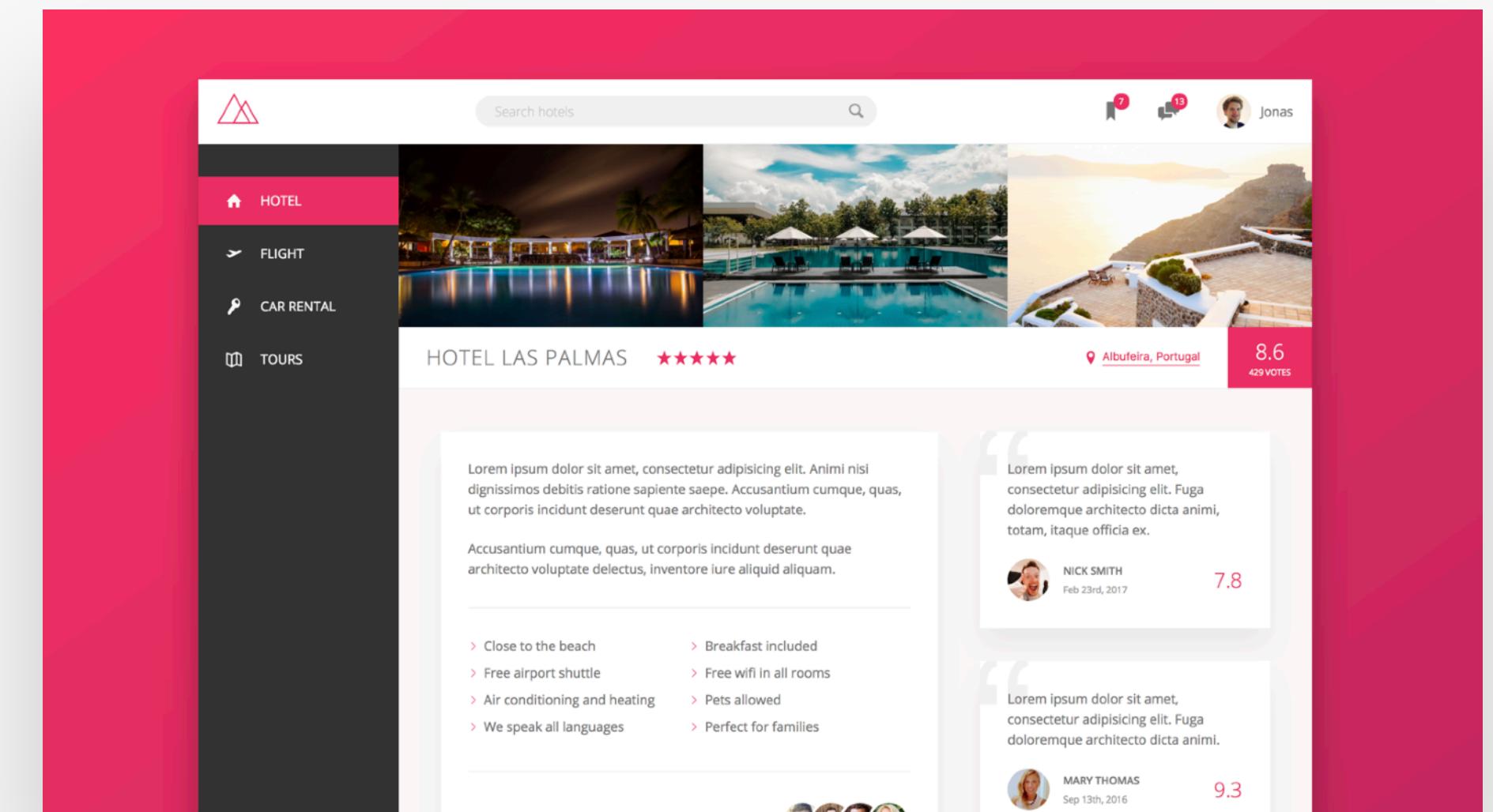
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE USER REVIEWS SECTION

WHAT YOU WILL LEARN IN THIS LECTURE

- Continue using and practicing flexbox.



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TAKE YOUR CSS TO THE NEXT LEVEL!



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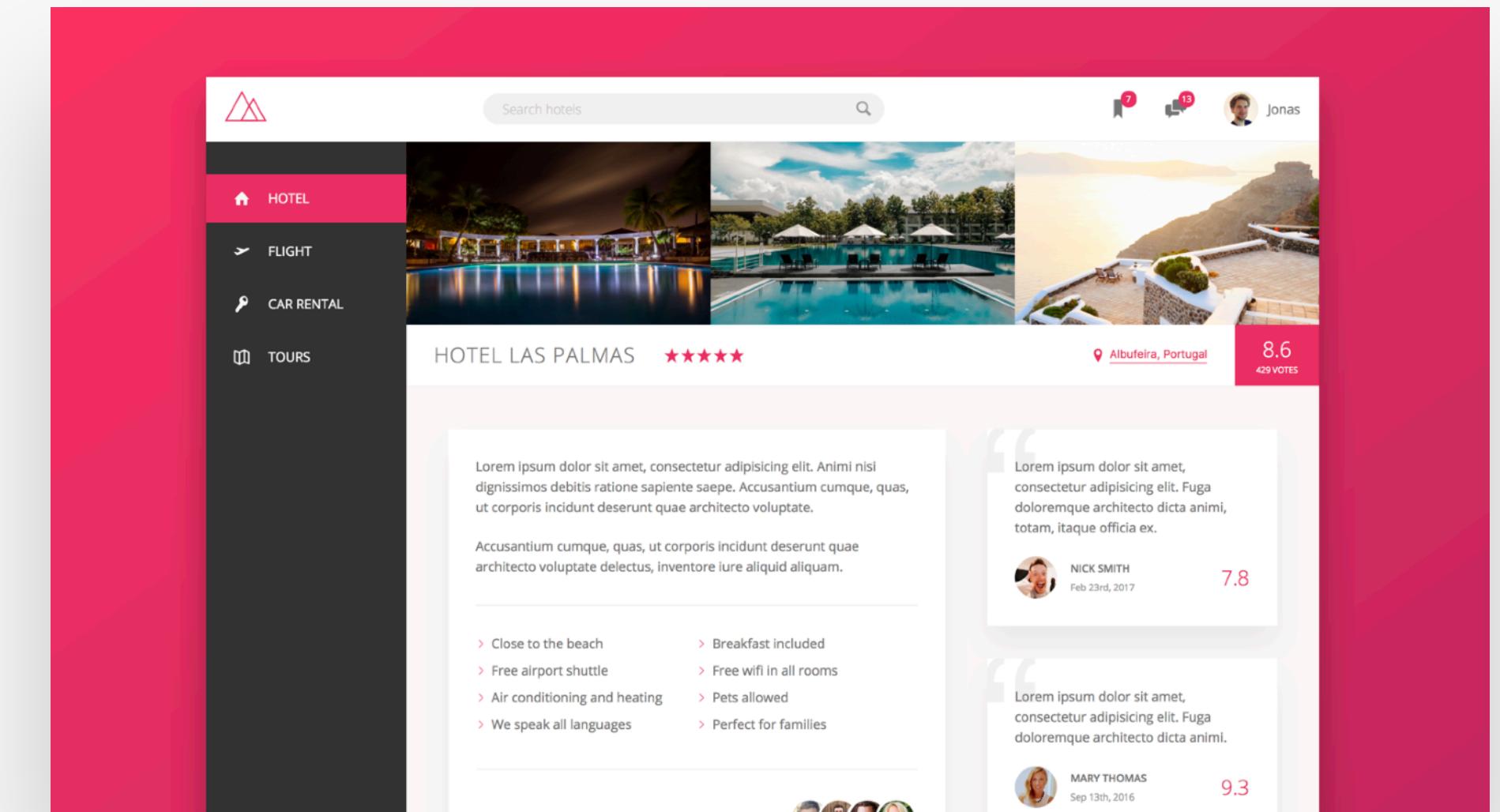
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

BUILDING THE CTA SECTION

WHAT YOU WILL LEARN IN THIS LECTURE

- Yet another creative and modern hover effect 😍



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TAKE YOUR CSS TO THE NEXT LEVEL!



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TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

WRITING MEDIA QUERIES - PART 1

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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LECTURE

WRITING MEDIA QUERIES - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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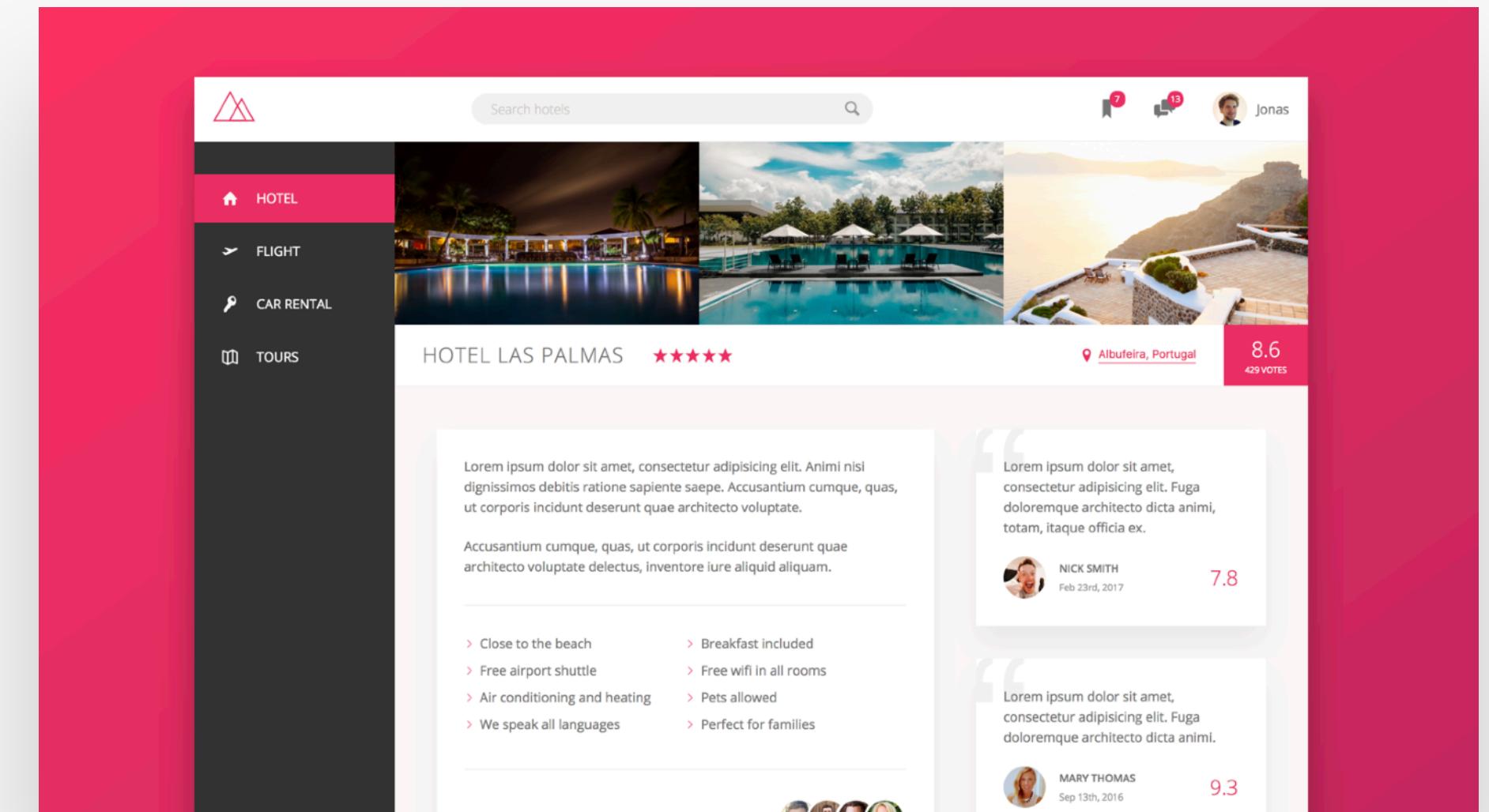
TRILLO PROJECT - MASTER FLEXBOX!

LECTURE

WRAPPING UP THE TRILLO PROJECT: FINAL CONSIDERATIONS

CHALLENGES, ANYONE?

1. Display some kind of user menu when hovering over the username in `.user-nav`;
2. Display a message menu when hovering over the chat icon in `.user-nav` (maybe like facebook);
3. Display a box with search suggestions as soon as the user starts typing in the search field;
4. Create a caption for the `.gallery__item` with a nice hover effect;
5. Make the page 100% responsive even for viewport sizes below 500px, maybe even responsive images.



SECTION 8 – CSS GRID INTRO



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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SECTION

A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

SECTION INTRO



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

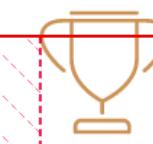
WHY CSS GRID: A WHOLE NEW MINDSET

A WHOLE NEW MINDSET

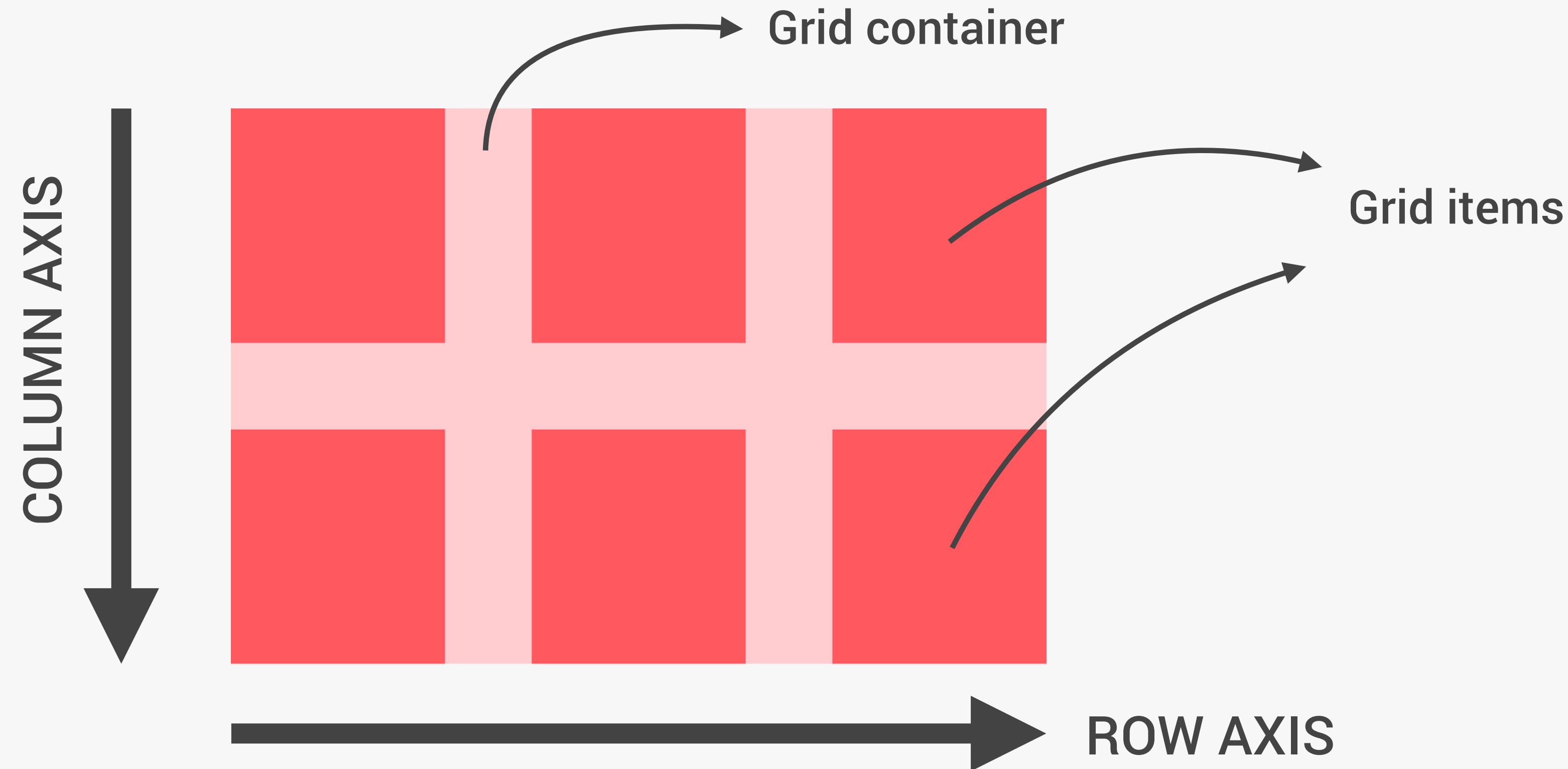
CSS GRID

- CSS Grid Layout is a brand new module that brings a two-dimensional grid system to CSS for the first time;
- CSS Grid replaces float layouts, using less, and more readable and logical CSS and HTML;
- CSS Grid works perfectly together with Flexbox, which is best to handle one-dimensional components and layouts;
- CSS Grid completely changes the way that we envision and build two-dimensional layouts.

A WHOLE NEW MINDSET

 1 World's best luxury homes Lorem, ipsum dolor sit amet consectetur adipisicing elit. Tenetur distinctio necessitatibus pariatur voluptatibus.	 2 Only the best properties Voluptatum mollitia quae. Vero ipsum sapiente molestias accusamus rerum sed a eligendi aut quia.	 3 All homes in top locations Tenetur distinctio necessitatibus pariatur voluptatibus quidem consequatur harum.
 2 New home in one week Vero ipsum sapiente molestias accusamus rerum. Lorem, ipsum dolor sit amet consectetur adipisicing elit.	 3 Top 1% realtors Quidem consequatur harum, voluptatum mollitia quae. Tenetur distinctio necessitatibus pariatur voluptatibus.	 4 Secure payments on XXX Pariatur voluptatibus quidem consequatur harum, voluptatum mollitia quae.

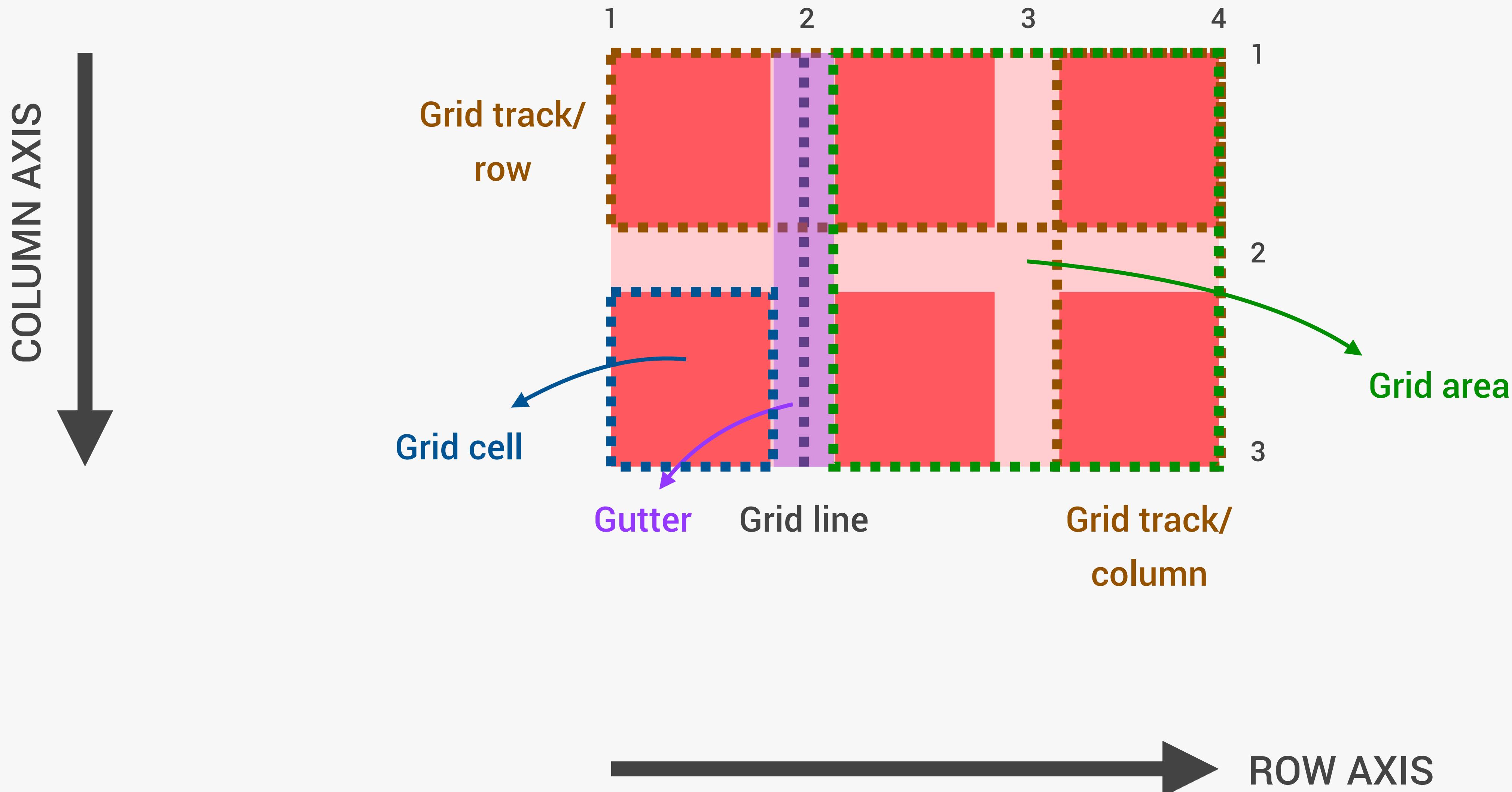
CSS GRID TERMINOLOGY



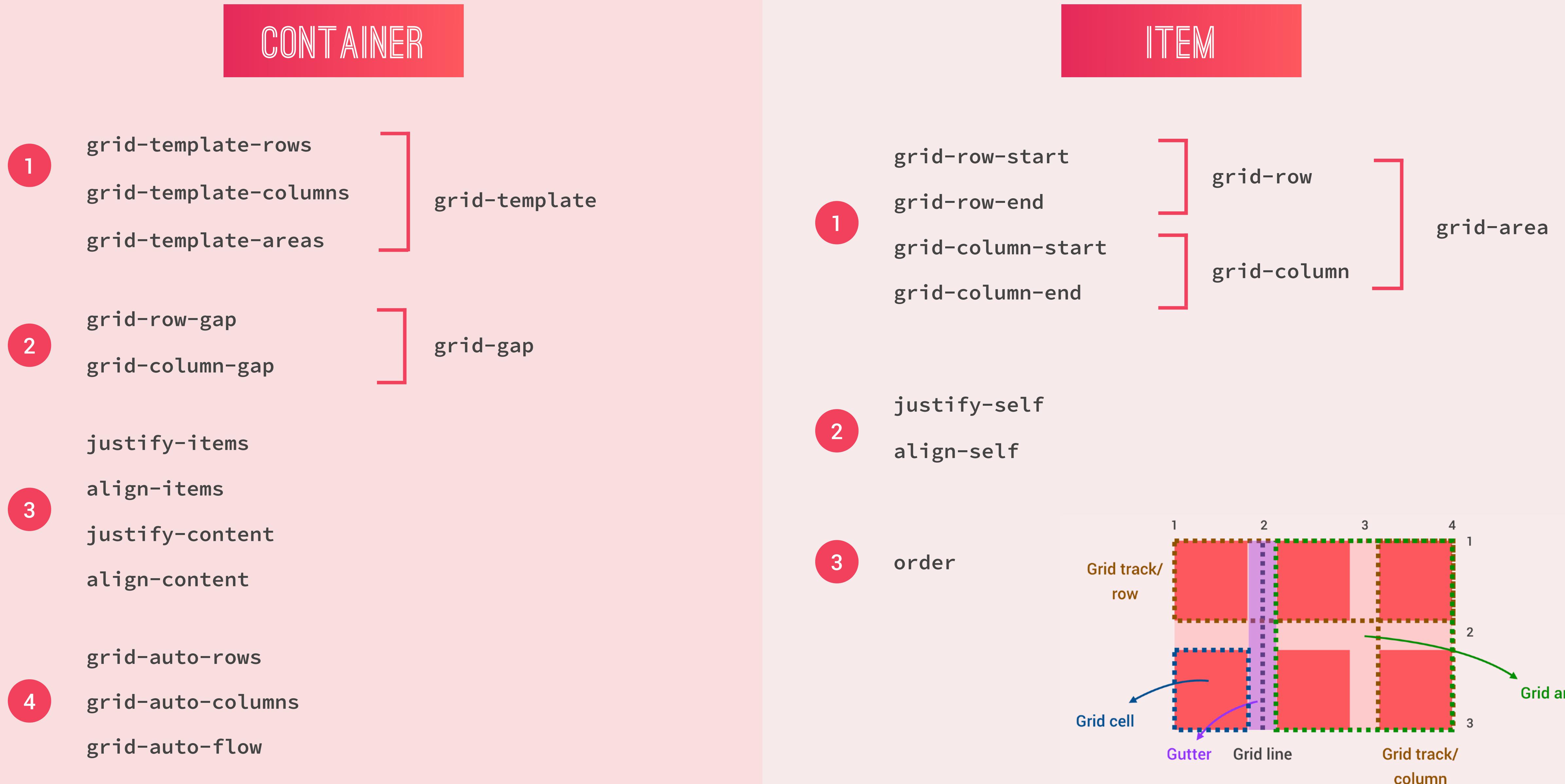
`display: grid`

(`display: grid-inline`)

CSS GRID TERMINOLOGY



CSS GRID PROPERTIES OVERVIEW





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

QUICK SETUP FOR THIS SECTION



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

CREATING OUR FIRST GRID



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

GETTING FAMILIAR WITH THE FR UNIT



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

POSITIONING GRID ITEMS



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

SPANNING GRID ITEMS



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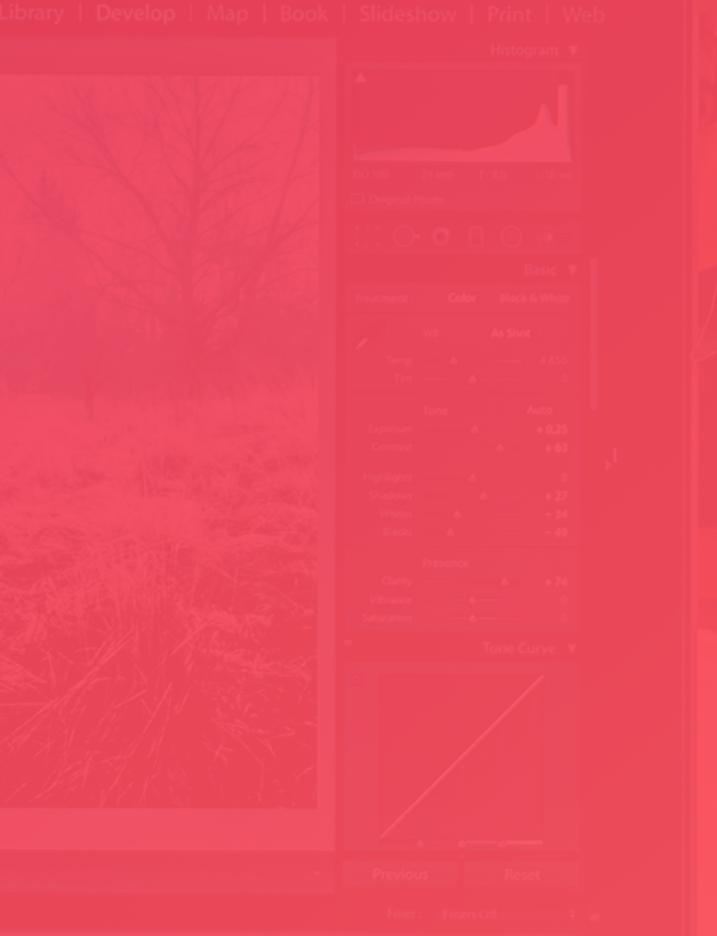
A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

GRID CHALLENGE

Library | Develop | Map | Book | Slideshow | Print | Web

Histogram





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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

GRID CHALLENGE: A BASIC SOLUTION

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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

NAMING GRID LINES



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LECTURE

NAMING GRID AREAS



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

IMPLICIT GRIDS VS. EXPLICIT GRIDS



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TAKE YOUR CSS TO THE NEXT LEVEL!



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

ALIGNING GRID ITEMS

Library | Develop | Map | Book | Slideshow | Print | Web

Histogram

Original Photo

Color

Basic

Advanced

Curves

Grayscale

Image

Print

Reset

Time

Tone Curve

White Balance

Zoom

Vertical

Horizontal

Vertical & Horizontal

Color & Brightness

Contrast

Gamma

Color Saturation

Color Luminance

Color Range



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TAKE YOUR CSS TO THE NEXT LEVEL!



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

ALIGNING TRACKS

Library | Develop | Map | Book | Slideshow | Print | Web

Histogram

Original Photo

Color

Basic

Advanced

Curves

Grayscale

Image

Levels

Matte

Print

Profile

Red Eye

Sharpen

Tone Curve

White Balance

Zoom

Copy

Paste

Soft Proofing

Print

Reset

Close

Help

Keyboard

Previous

Next

First

Last

Search

Find

Replace

Find Next

Find Previous

Find All

Find All Previous

Find All Next

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

USING MIN-CONTENT, MAX-CONTENT AND THE MINMAX() FUNCTION

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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SECTION

A QUICK INTRODUCTION TO CSS GRID LAYOUTS

LECTURE

RESPONSIVE LAYOUTS WITH AUTO-FIT AND AUTO-FILL

**SECTION 9 –
NEXTER PROJECT –
MASTER CSS GRID
LAYOUTS!**

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

PROJECT OVERVIEW & SETUP

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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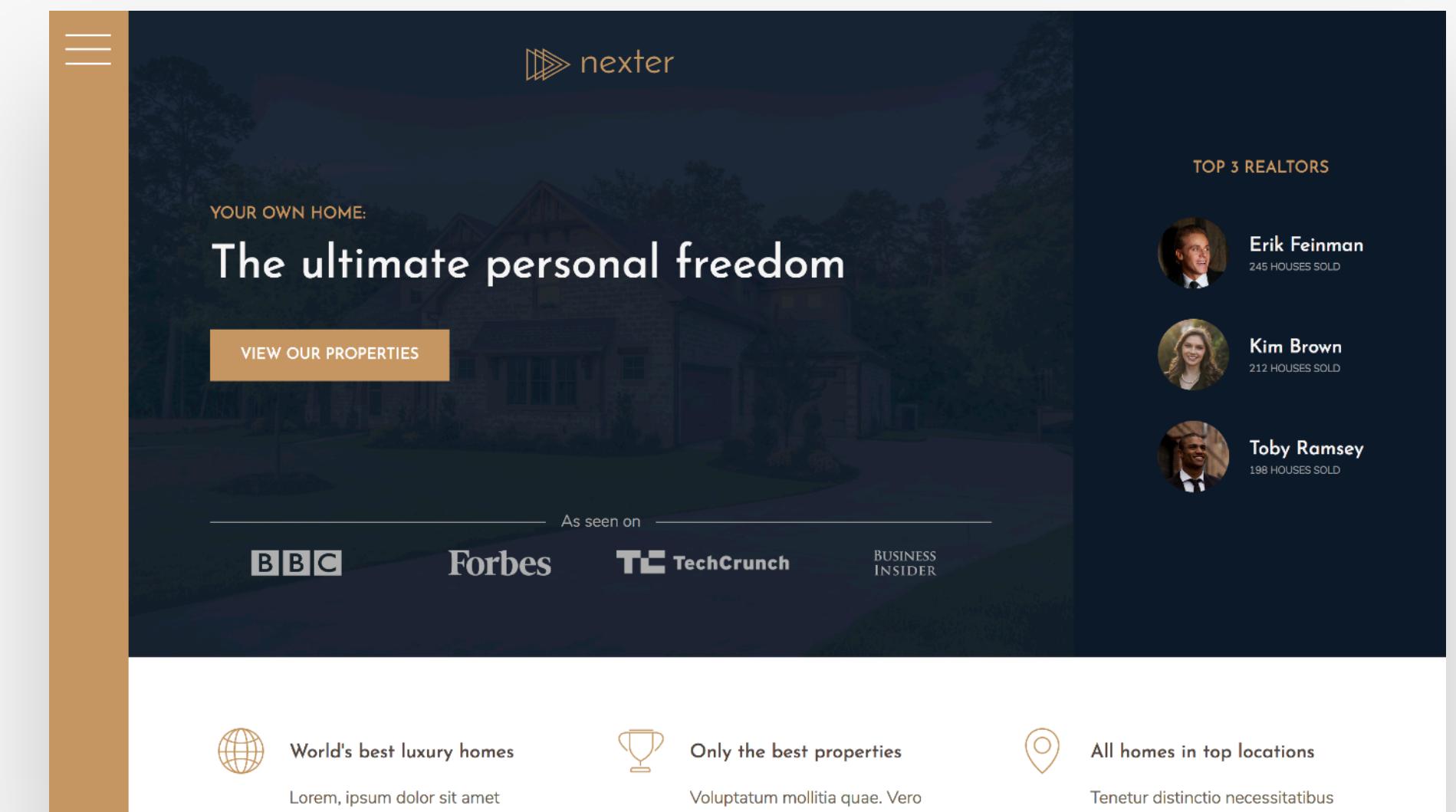
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE OVERALL LAYOUT - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to build a complex and modern layout using advanced CSS Grid techniques;
- How to choose different row and column track sizes for different types of content.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE OVERALL LAYOUT - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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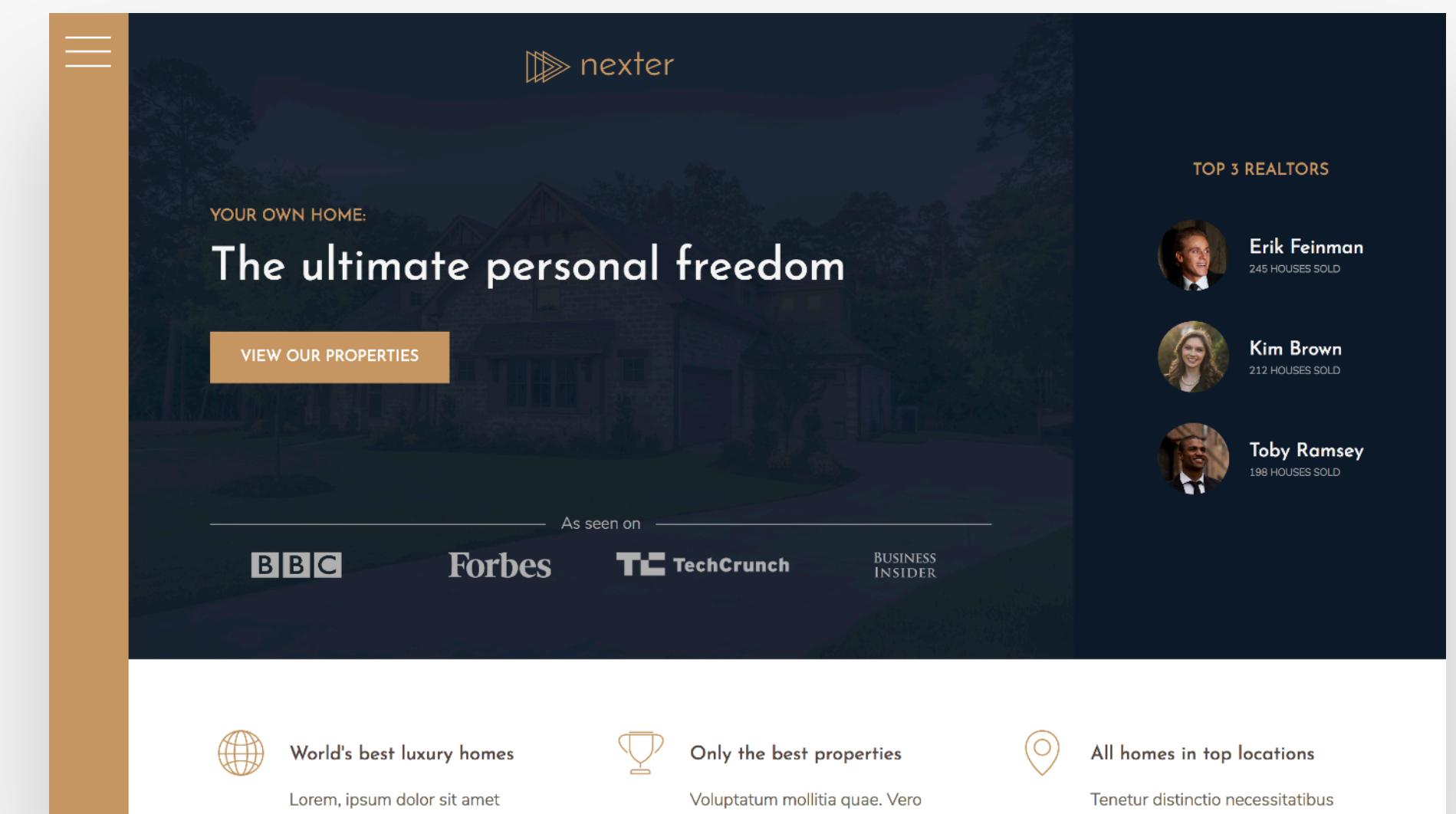
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE FEATURES SECTION -
PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How and why to create grids inside of grids;
- How to create a responsive component without media queries;
- How to build a small component using CSS Grid.





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE FEATURES SECTION -
PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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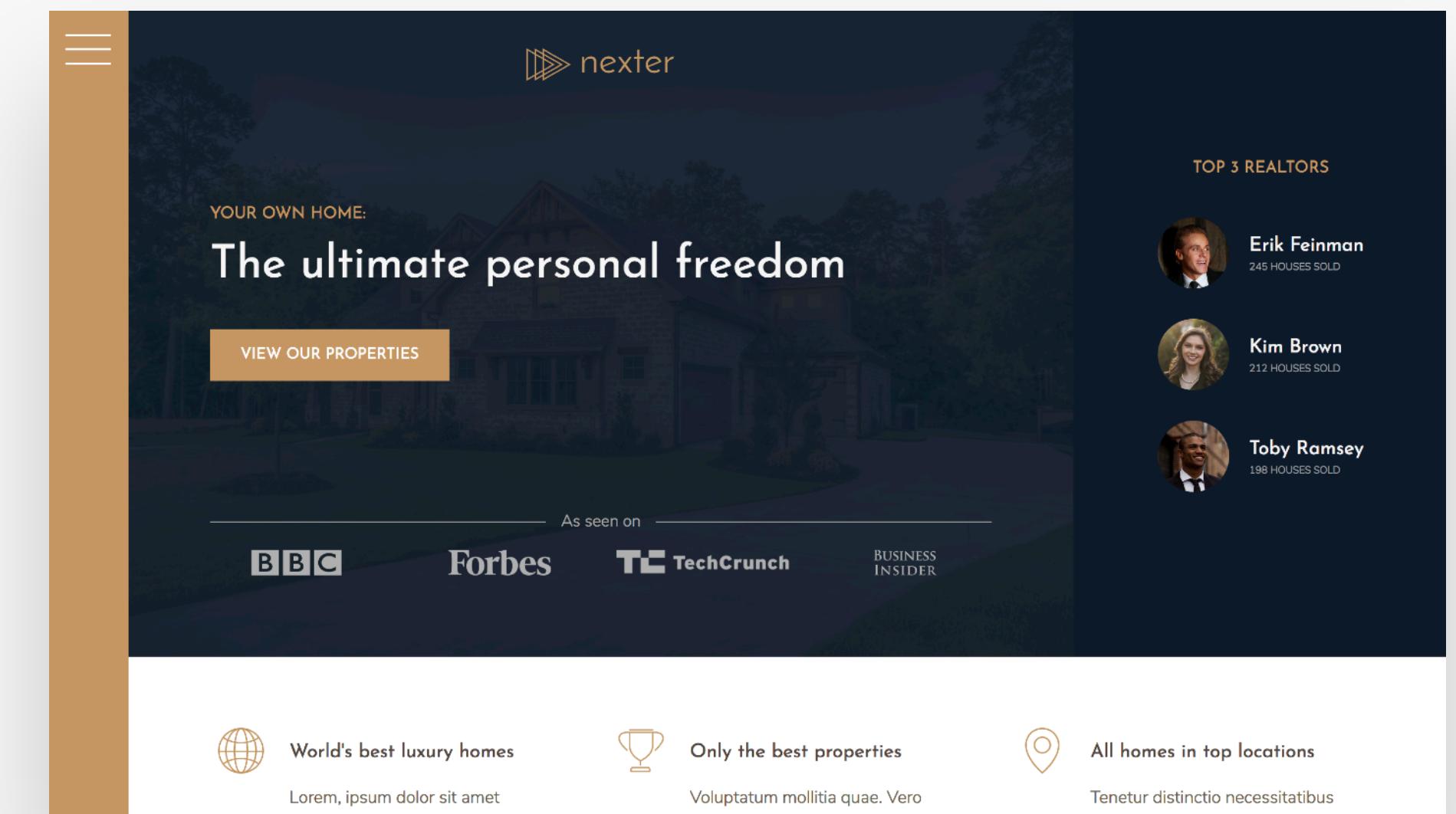
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE STORY SECTION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to deal with overlapping grid items;
- Why images are special and behave differently than other grid items;
- How to decide if flexbox is a better tool in certain situations.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE STORY SECTION - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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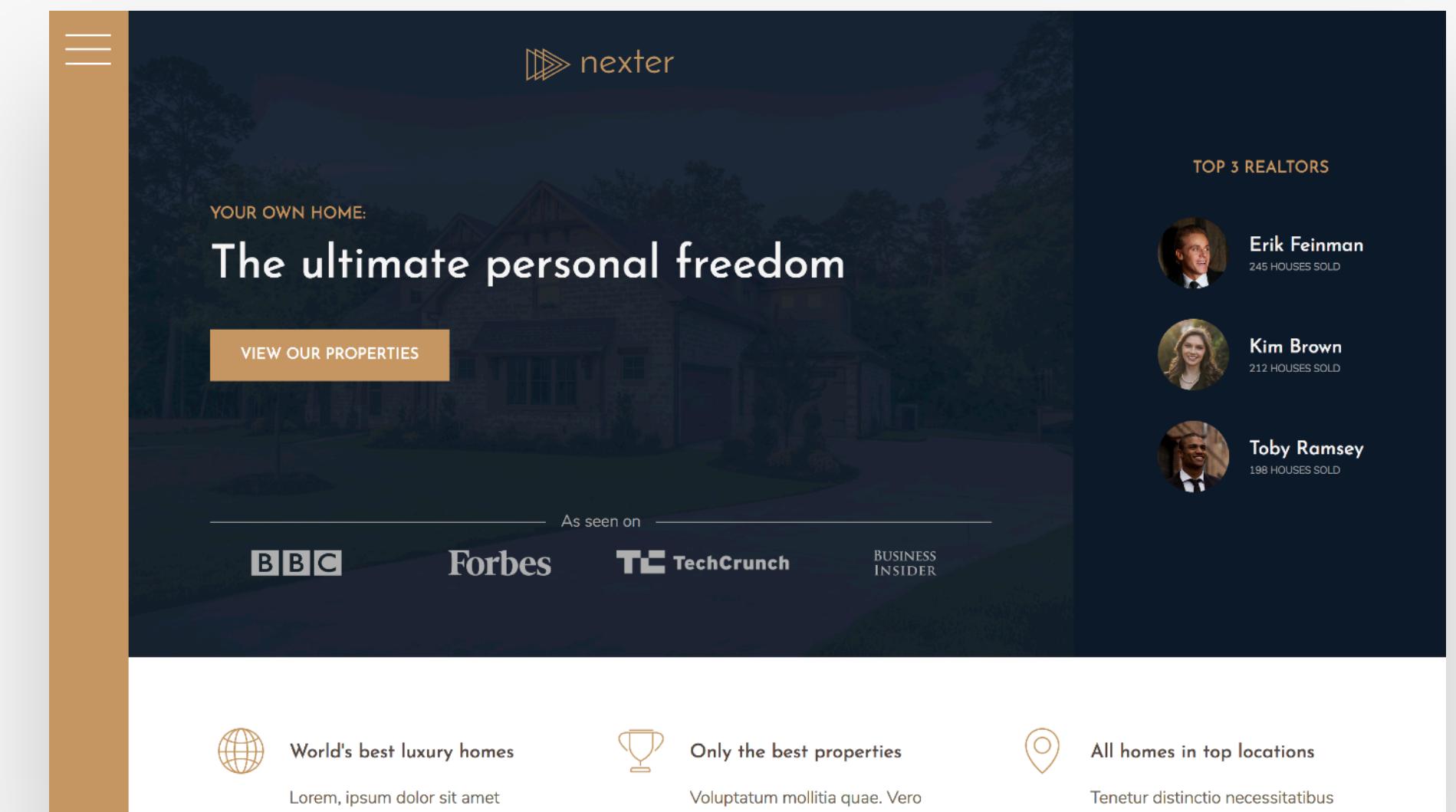
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE HOMES SECTION - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to build a rather complex component using a mix of CSS Grid properties, overlapping and flexbox.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE HOMES SECTION - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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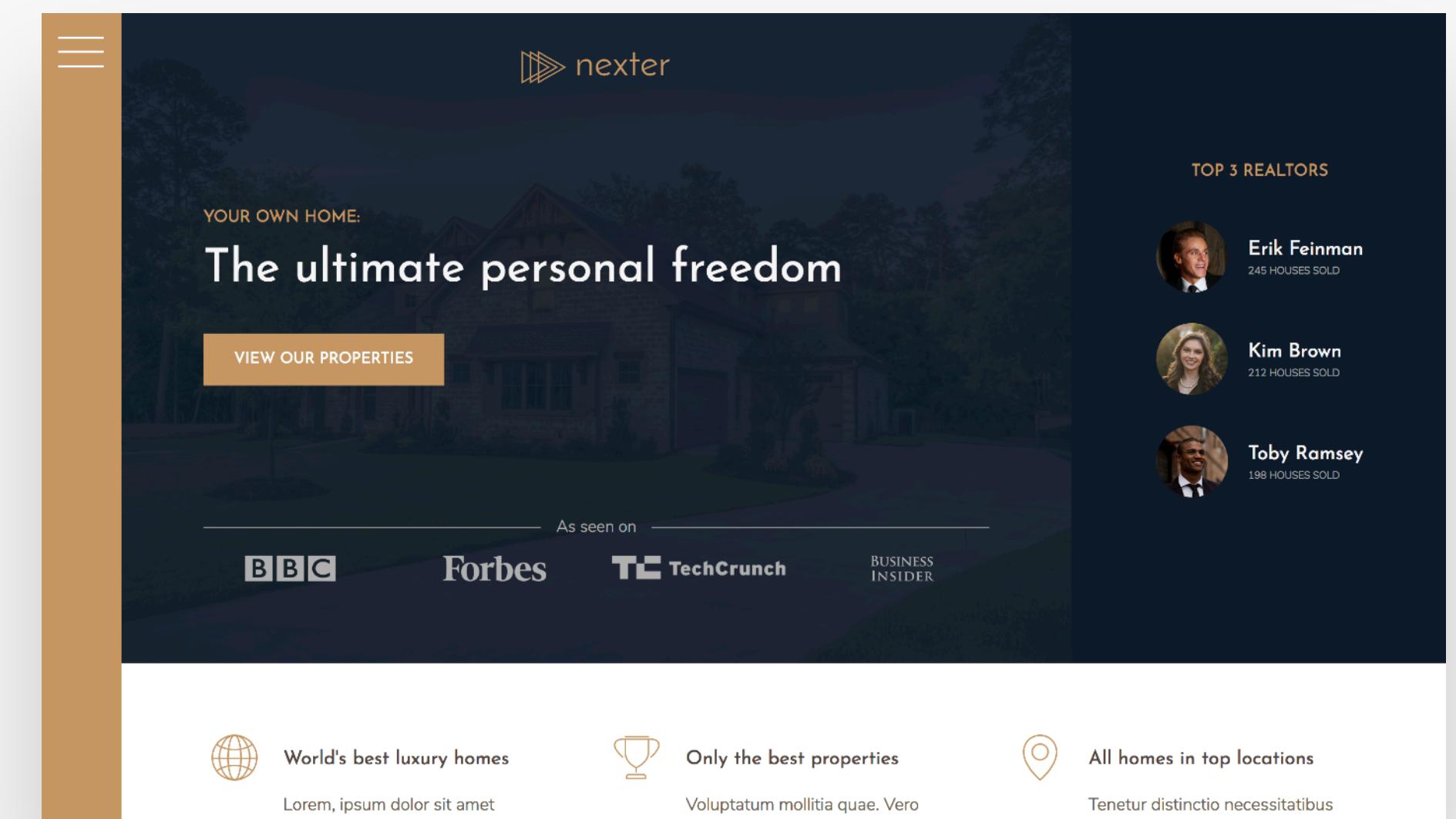
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE GALLERY - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to create a complex grid-looking gallery;
- Using object-fit together with images for grid items.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE GALLERY - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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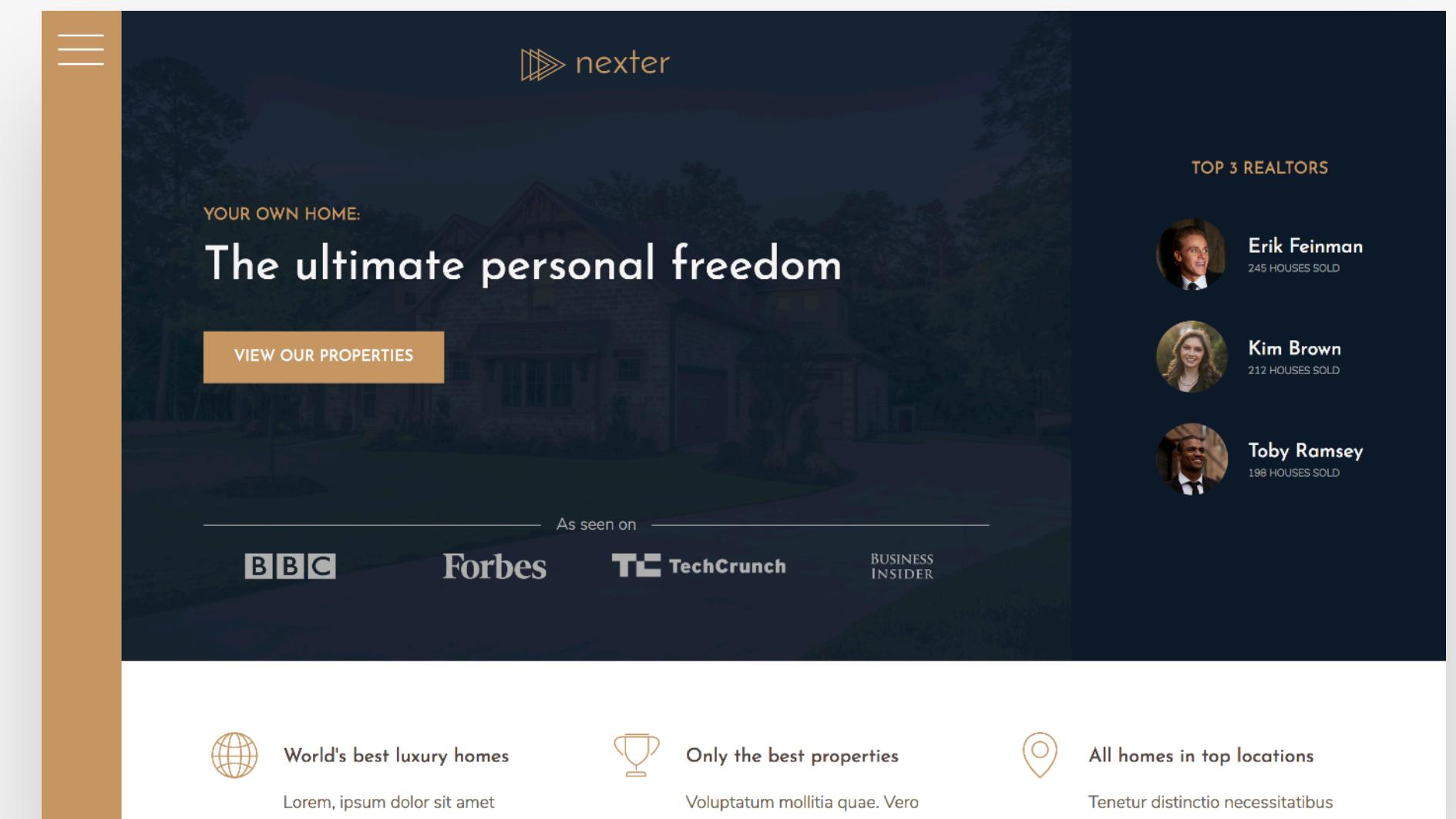
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE FOOTER

WHAT YOU WILL LEARN IN THIS LECTURE

- Apply the concepts you already learned.





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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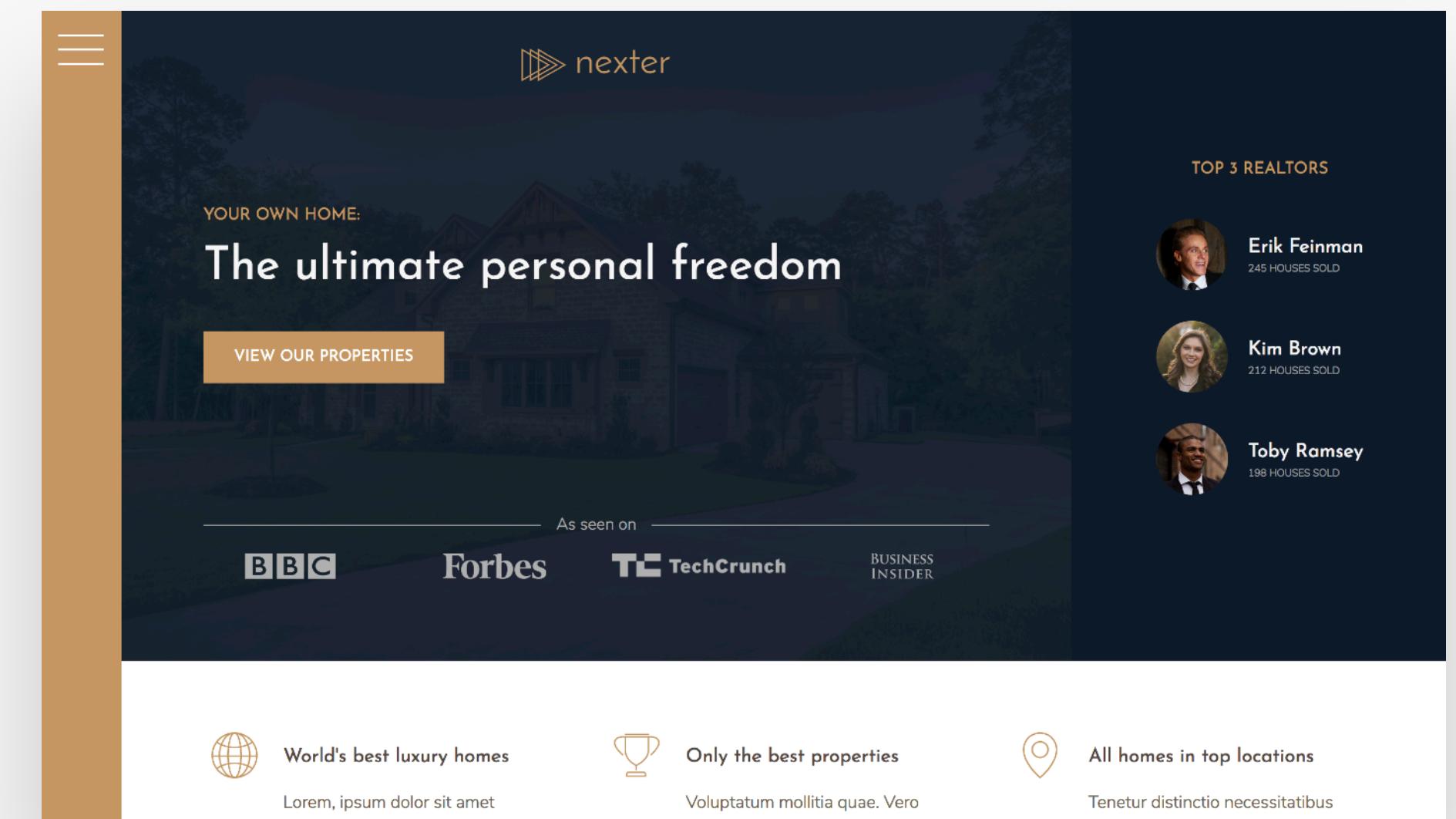
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE SIDEBAR

WHAT YOU WILL LEARN IN THIS LECTURE

- Apply the concepts you already learned.





ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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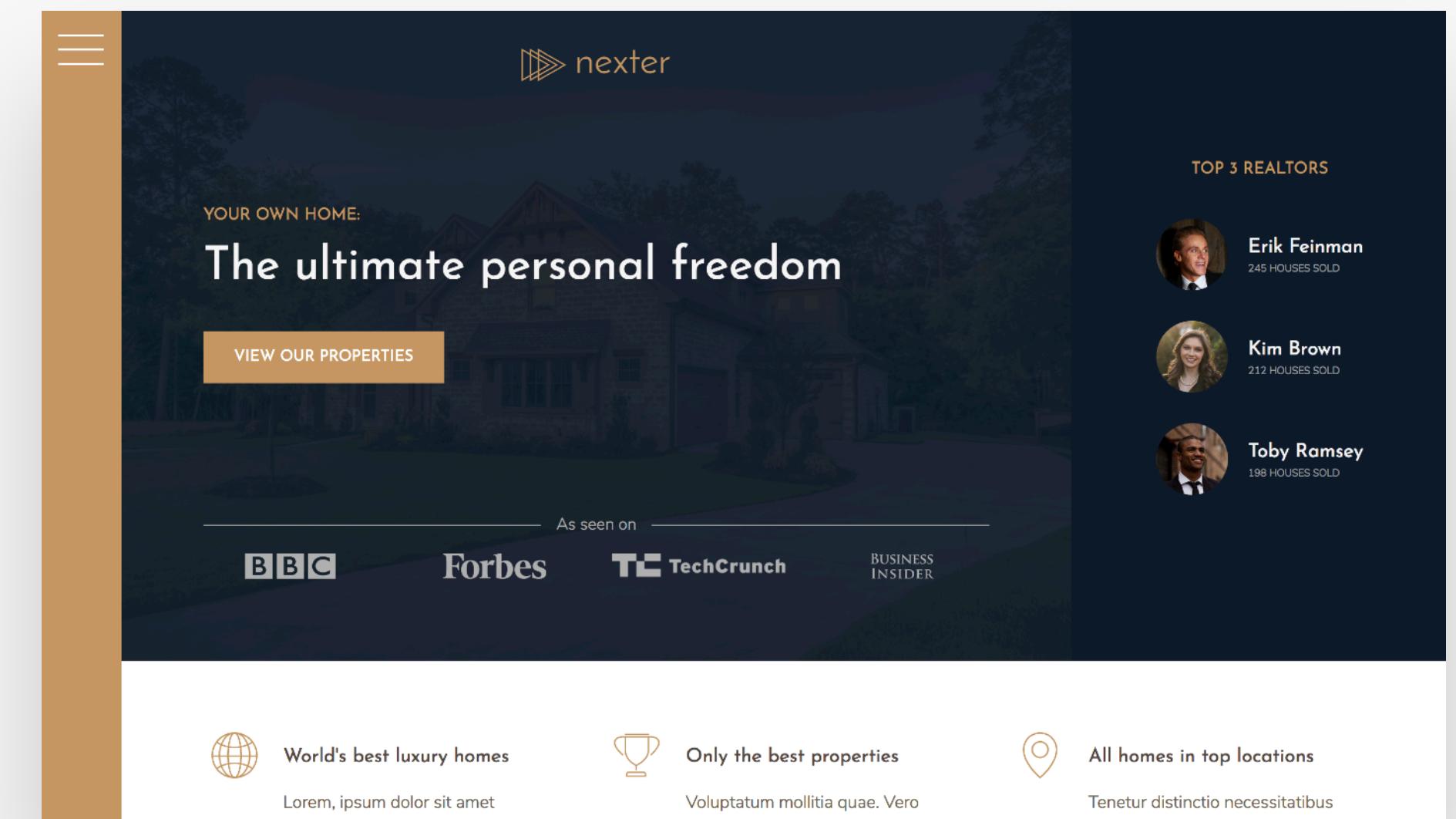
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE HEADER - PART 1

WHAT YOU WILL LEARN IN THIS LECTURE

- How to manage vertical spacing in a responsive layout using CSS Grid techniques;
- How to use ::before and ::after as grid items.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE HEADER - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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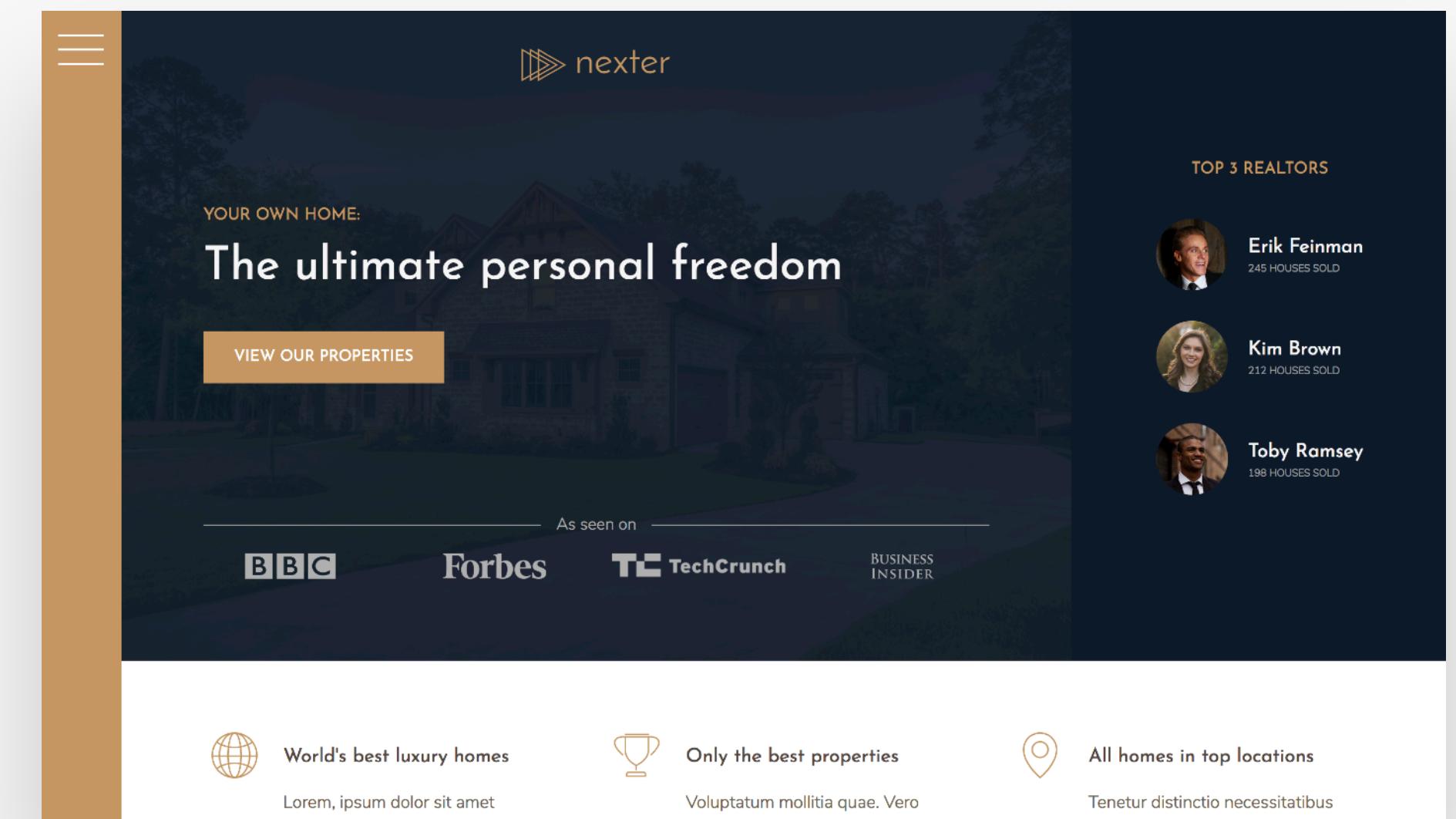
NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BUILDING THE REALTORS SECTION

WHAT YOU WILL LEARN IN THIS LECTURE

- Apply the concepts you already learned.



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

WRITING MEDIA QUERIES - PART 1

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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SECTION

NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

WRITING MEDIA QUERIES - PART 2

ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!



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NEXTER PROJECT - MASTER CSS GRID LAYOUTS!

LECTURE

BROWSER SUPPORT FOR CSS GRID

**SECTION 10 –
THAT'S IT, EVERYONE!**



ADVANCED CSS AND SASS

TAKE YOUR CSS TO THE NEXT LEVEL!

SECTION
THAT'S IT, EVERYONE!

LECTURE
SEE YOU NEXT TIME, CSS MASTER!



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END