UI Engineering Studio. Day 3

Bootcamp: CSS

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Cascading Style Sheets

used for **describing the presentation** of a document written in a markup language like HTML. **CSS** is a **cornerstone technology** of the World Wide Web, alongside HTML and JavaScript.

- Wikipedia

Semantic vs format

Browser Flow

Selectors

Homework

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Interface

In computing, an interface is a shared boundary across which **two or more separate** components of a computer system exchange information. The exchange can be **between software**, computer hardware, peripheral devices, **humans** and combinations of these.

- Wikipedia

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Semantic

adjective
adjective: semantic

1. relating to **meaning** in language or logic.

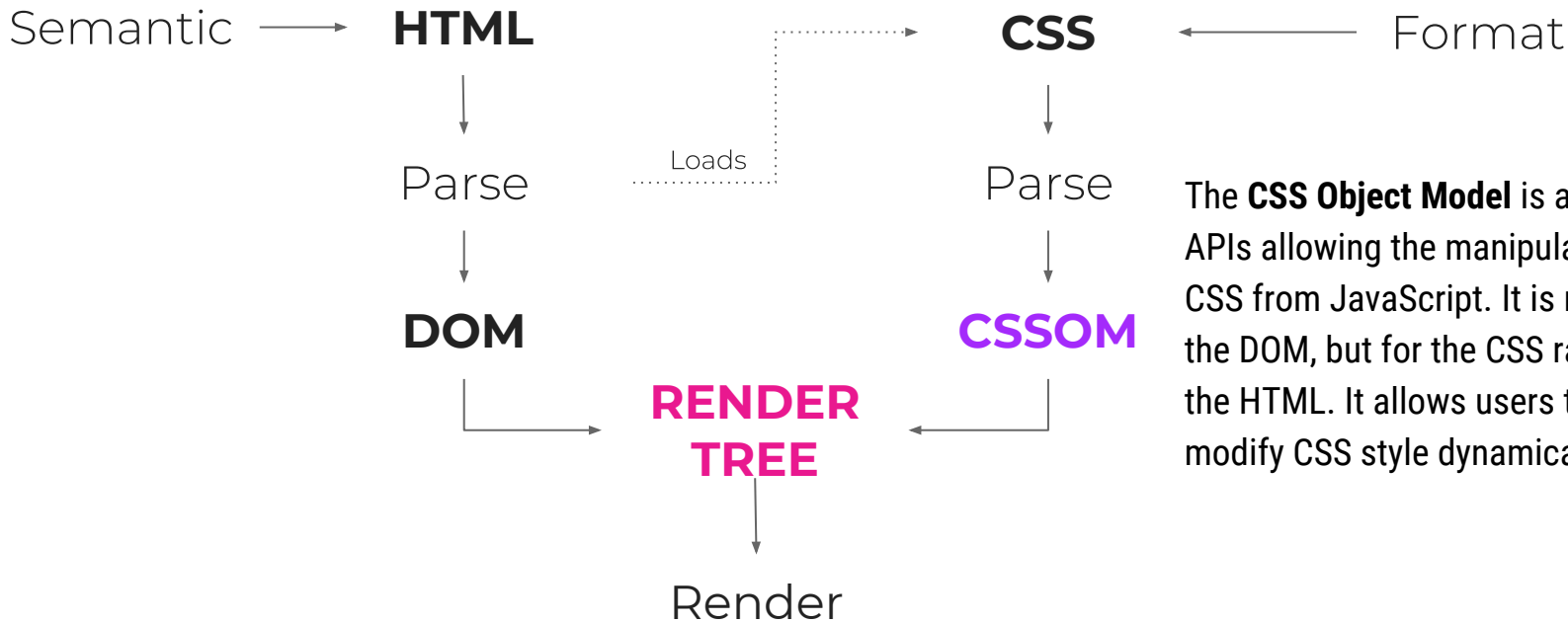## HTML

Format

noun
noun: format; plural noun: formats

1. the way in which something is **arranged** or **set out**.
   ○ the **shape, size,** and **presentation** of a book or periodical.
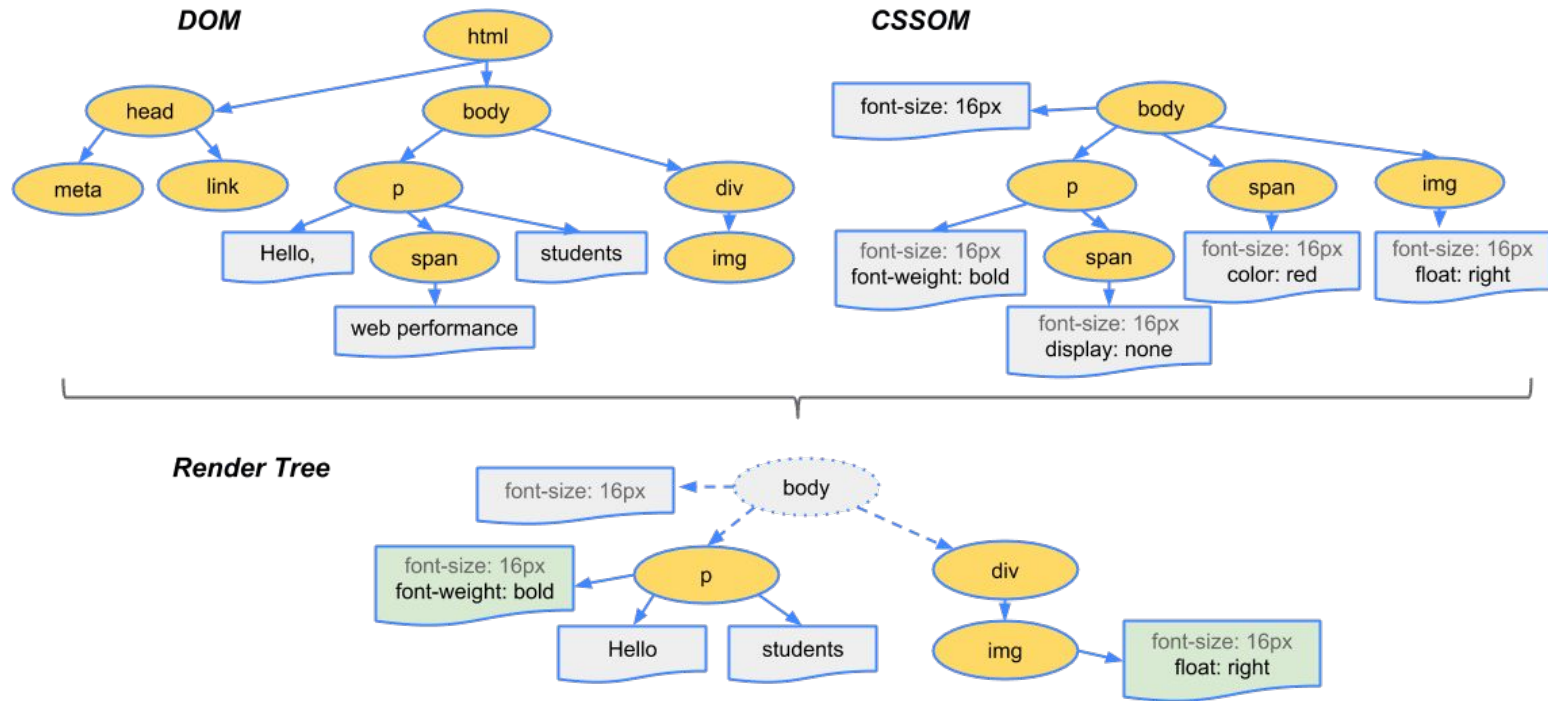
CSS

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Browser Flow

Semantic $\longrightarrow$ **HTML**   **CSS** $\longleftarrow$ Format

Parse   Loads   Parse

DOM   **CSSOM**

RENDER TREE

The **CSS Object Model** is a set of APIs allowing the manipulation of CSS from JavaScript. It is much like the DOM, but for the CSS rather than the HTML. It allows users to read and modify CSS style dynamically.

Render

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Render Tree

Source: Google developers fundamentals

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Selectors

Declaration block

In CSS, selectors declare which part of the markup a style applies to by matching tags and attributes in the markup itself.

Consists of a list of declarations in braces. Each declaration itself consists of a property, a colon **:** and a value. If there are multiple declarations in a block, a semi-colon **;** must be inserted to separate each declaration.

.exampleClass

#exampleID

div

:hover

CSS-selector **{**

CSS property **:** Value**;**
CSS property **:** Value**;**

}

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Specificity

is the means by which browsers decide which CSS property values are the most relevant to an element and, therefore, will be applied.

1000
Inline Style

100
ID

10
Class

Attribute

Pseudo-class

1
Element

Pseudo-element

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Specificity

div#user.container.selected {}

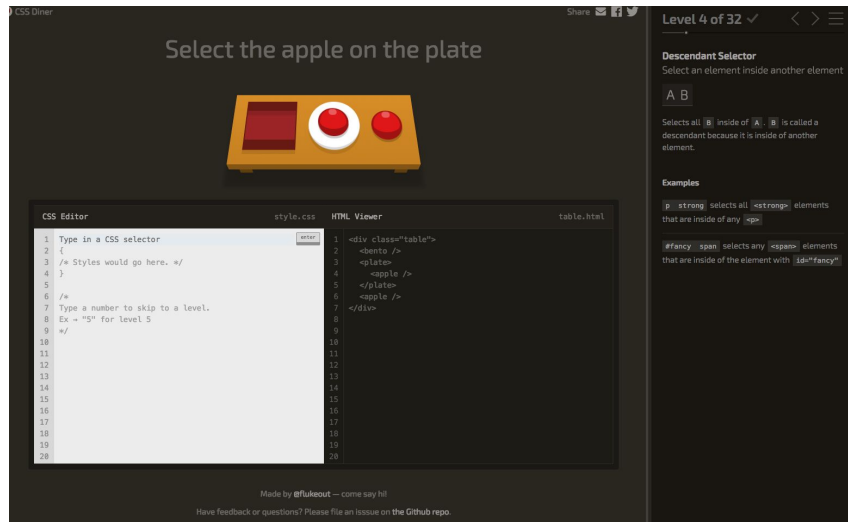**1** ID x 100 = **100**

2 Classes x 10 = **20**

1 Elements and pseudo-elements x 1 = **1**

Total **121**

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Homework: CSS Dinner

https://flukeout.github.io/

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we are ready