



Introducción al Frontend + React

Aprende a desarrollar frontend utilizando las tecnologías más modernas

05: CSS avanzado..?






En clases pasadas



promises

Promesa

**es un objeto que
representa la terminación
o el fracaso de una
operación asíncrona**

-  **Pending:** initial state or execution in progress
-  **Fulfilled:** execution is completed with success result
-  **Rejected:** execution is completed with failure result



async / await

```
const foo = async () => {  
  const res = await largeProcess()  
  const finish = await otherLargeProcess()  
}
```


```
const foo = async () => {  
  try {  
    const res = await largeProcess()  
    const finish = await otherLargeProcess()  
  } catch (error) {  
    console.log("Some process failed! :c")  
  }  
}
```


CSS Grid


grid-template-columns
grid-template-rows

auto y fr, repeat, minmax
gap


Asymmetry in Flex

A photograph of a man with a beard and glasses, wearing a plaid shirt, playing a white electric guitar on a stage. The background is dark and out of focus.


Promo Space 1

A photograph showing a large crowd of people at a concert, with many holding up their phones to take pictures. The scene is brightly lit with stage lights.

Promo Space 2

A photograph of a person playing a guitar, with the focus on the instrument and the player's hands. The background is dark.

Promo space 3

A close-up photograph of a guitar, showing the body and the neck. The guitar is light-colored and has a pickguard.

Promo space 4

Grid solution: HTML

```
<div class="promos">  
  <a href="#" class="promo">Promo Space 1</a>  
  <a href="#" class="promo">Promo Space 2</a>  
  <a href="#" class="promo">Promo space 3</a>  
  <a href="#" class="promo">Promo space 4</a>  
</div>
```

Grid solution: CSS

```
.promos {  
  display: grid;  
  grid-template-columns: 2fr 1fr 1fr;  
  grid-template-areas: "main second second"  
                      "main third  fourth";  
  grid-auto-rows: minmax(20vh, 1fr);  
  grid-gap: 1rem;  
}
```

```
.promo:first-child {  
  grid-area: main;  
}  
.promo:nth-child(2) {  
  grid-area: second;  
}  
.promo:nth-child(3) {  
  grid-area: third;  
}  
.promo:nth-child(4) {  
  grid-area: fourth;  
}
```


Preguntas?



Animations

**hover, focus
transform: translate,
scale, rotate
transition**

transition: background 1s ease-in-out 0.5s;

**transition: background 1s ease-in-out
0.5s,width 2s ease-in,height 1.5s;**

```
background:  
linear-gradient(#e66465, #9198e5);
```

```
body {  
    background: black;  
    animation: color-me-in 5s; /* other keywords like "infinite alternate" can be used here */  
}
```

```
@keyframes color-me-in {  
    /* You could think of as "step 1" */  
    0% {  
        background: orange;  
    }  
    /* You could think of as "step 2" */  
    100% {  
        background: black;  
    }  
}
```




Luis Resendiz
@luisrpw0

make a spinner using CSS

<https://www.instagram.com/p/CMu9OdSDLPS/?igshid=1fgqo95z2ud2z>

Preguntas?



dark theme

Lorem, ipsum dolor.

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Illo asperiores deleniti placeat culpa provident nobis.

Action

Other action

Lorem, ipsum dolor.

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Illo asperiores deleniti placeat culpa provident nobis.

Action

Other action



February 19, 2020 George Adams

5 tips to organize your wardrobe

Id deserunt commodo aute eu id sit ad nostrud fugiat tempor sit. Ipsum esse consectetur deserunt magna fugiat laboris fugiat tempor sit. Ipsum esse consectetur deserunt magna fugiat laboris...



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Seven great habit building tips

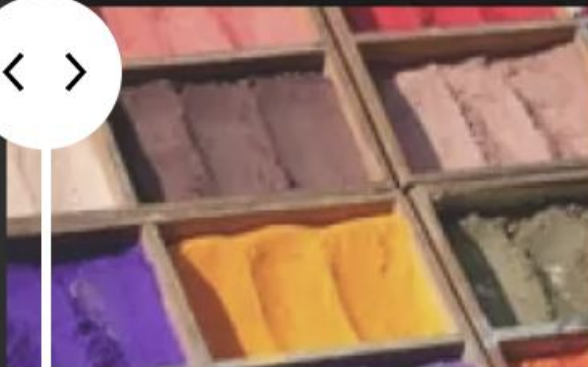


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Colorful photos from countries across the world



Neilson

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Donuts, where!





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Lightest = Closest element

Darkest (background) = Furthest element



LIGHT VERSION INVERTED

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Lightest element became darkest

Darkest element became lightest



DARK WITH CORRECT DEPTH CUES

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1.0x

Lightest = Closest element

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localStorage



Las claves y los valores
son **siempre cadenas**
de texto

El siguiente código accede al objeto local [Storage](#) actual y agrega un ítem al mismo usando [Storage.setItem\(\)](#).

```
localStorage.setItem('miGato', 'Juan');
```

La sintaxis para leer el ítem almacenado en `localStorage` es la siguiente:

```
var cat = localStorage.getItem('miGato');
```

La sintaxis para eliminar el ítem almacenado en `localStorage` es la siguiente:

```
localStorage.removeItem('miGato');
```

Preguntas?



coding time!



Sass

CSS with superpowers

nested selectors

variables

mixins

mixins + parameters

<https://sass-lang.com/documentation/at-rules/mixin>

Frameworks

Build fast, responsive sites with Bootstrap

Quickly design and customize responsive mobile-first sites with Bootstrap, the world's most popular front-end open source toolkit, featuring Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful JavaScript plugins.

Get started

Download

Currently **v5.0.0-beta3** · [v4.6.x docs](#) · [All releases](#)



Materialize

A modern responsive front-end framework
based on Material Design

GET STARTED

UPGRADE FROM 0.100.2

Release: 1.0.0

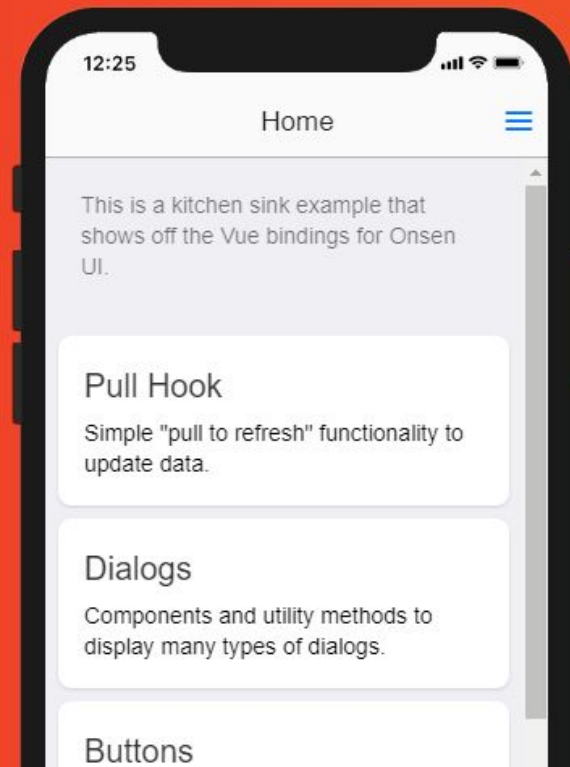


The most beautiful and efficient way to develop HTML5 hybrid and mobile web apps.

GET STARTED

DOWNLOAD
2.11.2

☆ Star 8,291





Rapidly build modern websites without ever leaving your HTML.

A utility-first CSS framework packed with classes like **flex**, **pt-4**, **text-center** and **rotate-90** that can be composed to build any design, directly in your markup.



**[https://transform.tools/
css-to-tailwind](https://transform.tools/css-to-tailwind)**

Preguntas?



<picture>

```
<picture>
  <source srcset="mdn-logo-wide.png" media="(min-width: 600px)">
  
</picture>
```

```
<picture>  
  <source srcset="logo.webp" type="image/webp">  
    
</picture>
```

```
<picture>
  <source
    srcset="image-small.png 320w,
           image-medium.png 800w,
           image-large.png 1200w"
    sizes="(min-width: 60rem) 80vw,
          (min-width: 40rem) 90vw,
          100vw">
  
</picture>
```

A new image format for the Web

WebP is a modern **image format** that provides superior **lossless and lossy** compression for images on the web. Using WebP, webmasters and web developers can create smaller, richer images that make the web faster.



WebP lossless images are [26% smaller](#) in size compared to PNGs. WebP lossy images are [25-34% smaller](#) than comparable JPEG images at equivalent [SSIM](#) quality index.

Lossless WebP **supports transparency** (also known as alpha channel) at a cost of just [22% additional bytes](#). For cases when lossy RGB compression is acceptable, **lossy WebP also supports transparency**, typically providing 3× smaller file sizes compared to PNG.

- [More Info for Webmasters](#)

AV1



Connected to:

VP9

Royalty-free

Alliance for Open Media

From Wikipedia, the free encyclopedia

AOMedia Video 1 (AV1) is an [open, royalty-free video coding format](#) initially designed for video transmissions over the Internet. It was developed as a successor to [VP9](#) by the [Alliance for Open Media](#) (AOMedia),^[2] a consortium founded in 2015 that includes semiconductor firms, [video on demand](#) providers, video content producers, software development companies and web browser vendors. The AV1 bitstream specification includes a reference [video codec](#).^[1] In 2018 [Facebook](#) conducted testing that approximates real world conditions, the AV1 reference encoder achieved 34%, 46.2% and 50.3% higher [data compression](#) than libvpx-vp9, [x264](#) high profile, and x264 main profile respectively.

Like VP9, but unlike [H.264/AVC](#) and [HEVC](#), AV1 has a royalty-free licensing model that does not [hinder adoption](#)

AOMedia Video 1



Developed by	Alliance for Open Media
Initial release	28 March 2018; 2 years ago
Latest release	1.0.0 Errata 1 ^[1] (8 January 2019; 2 years ago)
Type of format	Video coding format
Contained by	Matroska WebM ISOBMFF RTP (WebRTC)
Extended from	VP10 Daala Thor
Extended to	AV2

Preguntas?



