



EIN082B

Taller de Lenguaje de Programación

Pamela Gatica Caballero

pamela.gatica@usm.cl



UNIVERSIDAD TECNICA
FEDERICO SANTA MARIA



Aplicaciones Web

Unidad N°1



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04. Sitios Web Responsivos

Responsividad

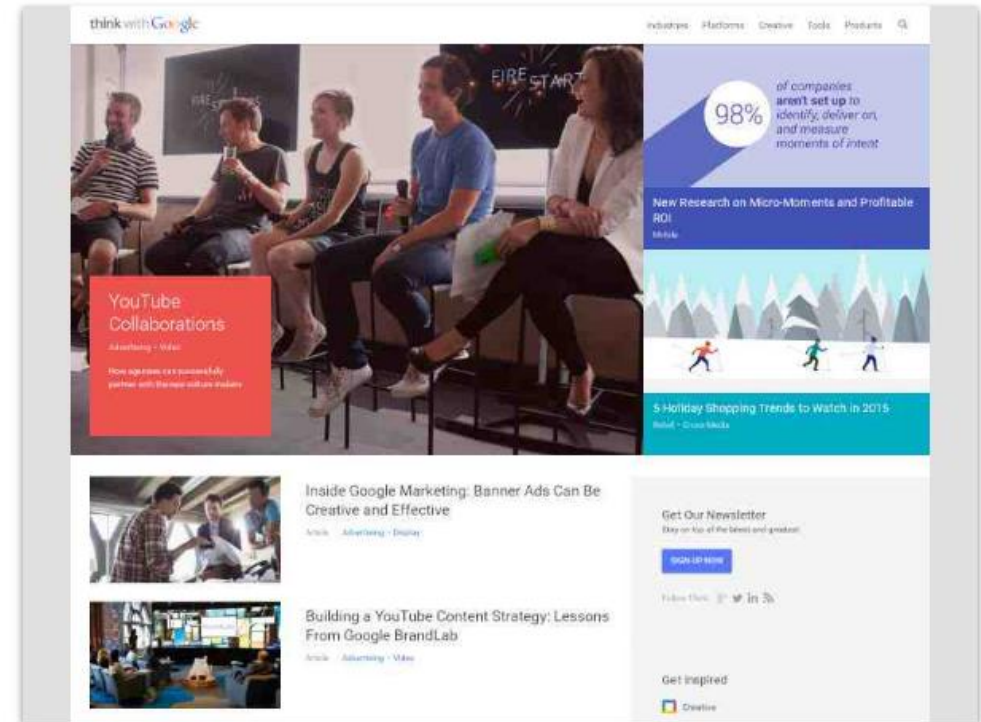
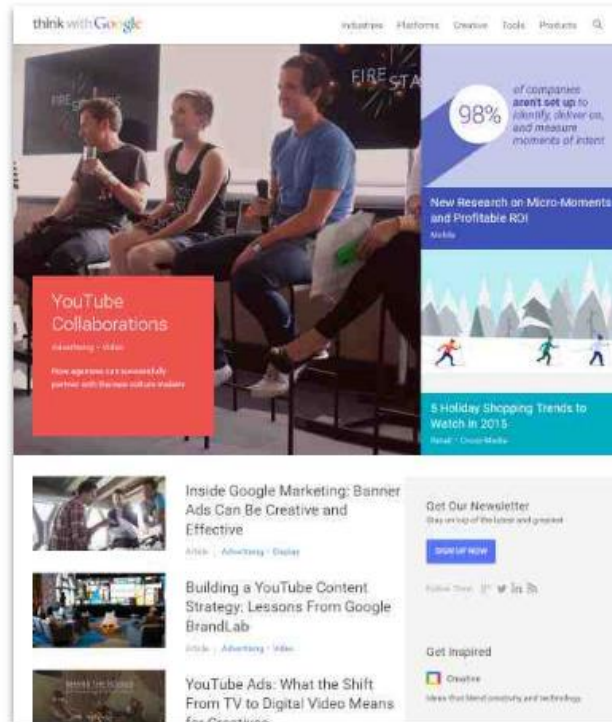


- Técnica de diseño web que busca la correcta visualización de una misma página en distintos dispositivos.
 - Desktop pc
 - Tablets
 - Móviles
 - Otros dispositivos

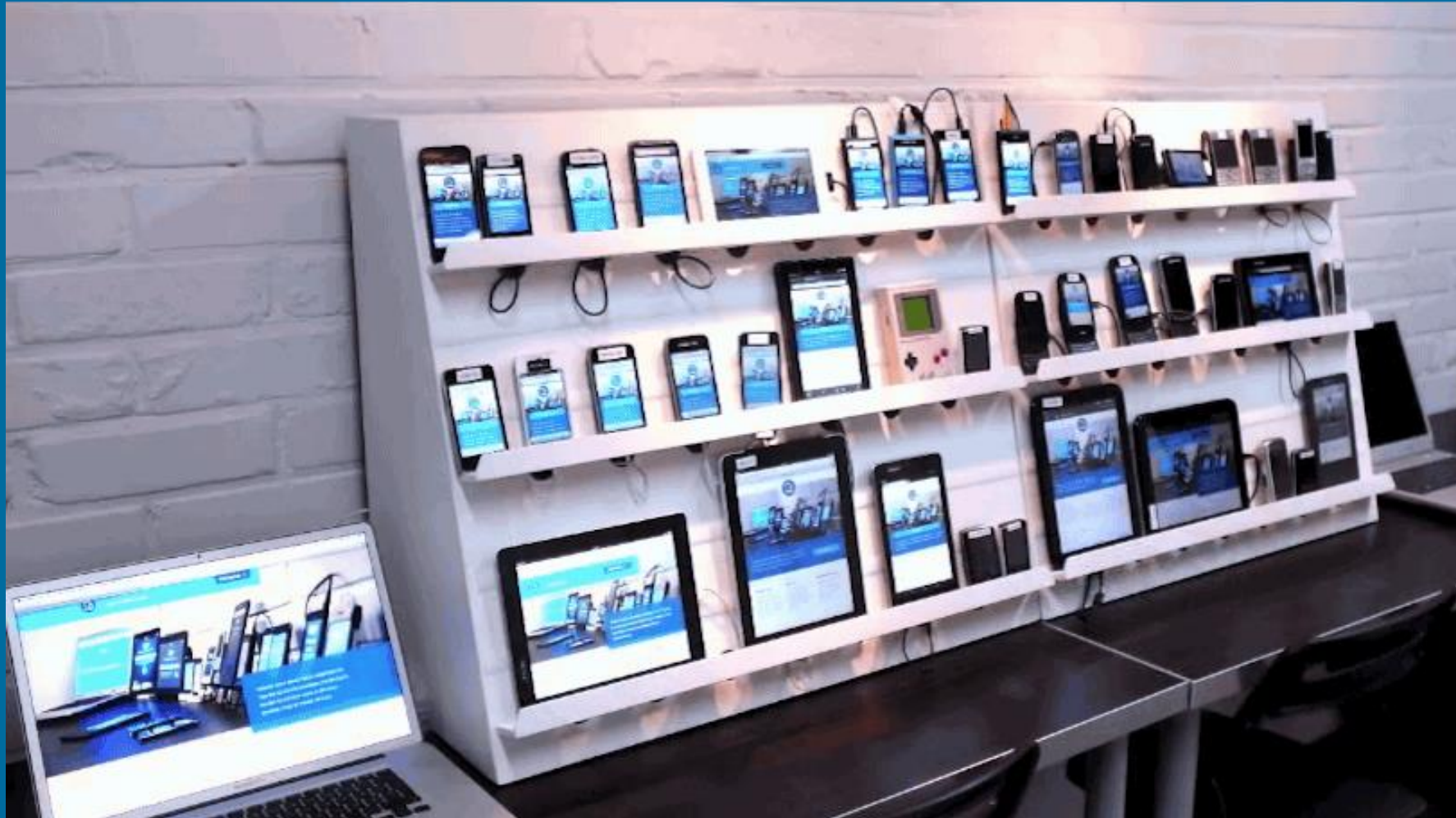
- Redimensionar y ubicar los elementos de la web de forma que se adapten al ancho de cada dispositivo
- Permite una correcta visualización y una mejor experiencia de usuario.
- Se caracteriza porque los layouts (contenidos) e imágenes son fluidos y se usa código media-queries de CSS3.

Web Responsive

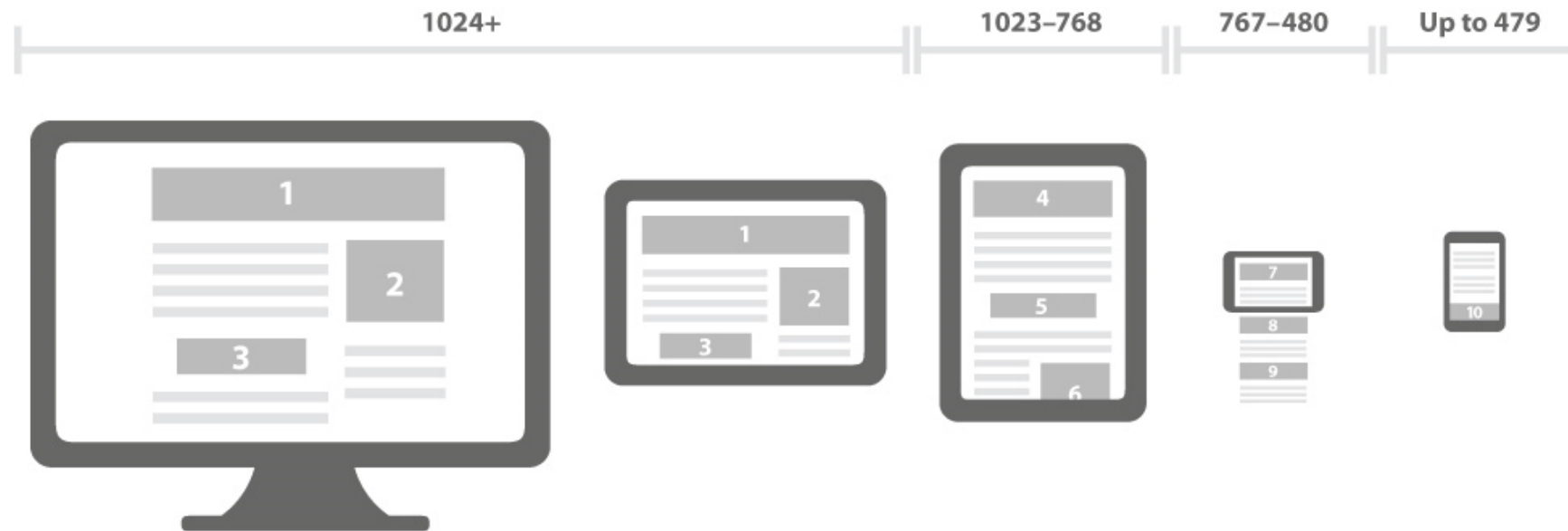
- “redimensionar y colocar los elementos de la web de forma que se adapten al ancho de cada dispositivo permitiendo una correcta visualización y una mejor experiencia de usuario”



El Problema



La Solución



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Why a wedding photographer

A wedding is an extremely important event. It brings two people and often two families together. It's not only a day where a couple expresses their love for one another, but also their commitment to being faithful partners during the ups and downs throughout life. Although people often spend a good amount of time organizing a wedding, the big day goes by extremely fast. This is why the job of a wedding photographer is extremely important. It is my job to capture all of the precious moments that couples will look back on and share with friends and family for years to come. I think glancing back at their wedding photos may take time, but can help keep a couple's relationship strong. ☺

Telling a story with photos

With a background in journalism, I love telling a story with pictures. A wedding is like a daylong story composed of many different elements that require that I be alert and always ready to snap a picture. It is also about timing and capturing what may happen next and when. This kind of photography is very much about watching and waiting in a discrete manner. Finally, I find that wedding photography is one of the best ways to capture all of the precious moments that couples will look back on and share with friends and family for years to come. I think glancing back at

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Destination marriages

It's nice to enjoy traveling through my wedding and engagement photography website. I am based in Paris, but often travel to shoot weddings. With high-speed trains and low-cost flights, it's very easy to reach places like London, Geneva, Switzerland, the French Riviera, and many other locations. Should you be organizing your wedding in Paris, I could also recommend a number of vendors whom I know do a great job. Should you have any questions, don't hesitate to send me an email or give me a ring. I would be more than happy to help you plan your wedding day in more detail. ☺

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Para trabajar sitios web responsivos, se ha adoptado un modelo de grilla basado en columnas. El sistema consiste en dividir la pantalla en **partes iguales**, y luego adaptar el contenido a utilizar 1 o más columnas, con un máximo de definido por un framework.



Modelo de Grilla



Booked by:
12/01/2012
11/20/2012
Booked by:
12/01/2012
11/20/2012
Booked by:
12/01/2012
11/20/2012
Booked by:
12/01/2012
11/20/2012
Booked by:
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Featured on:

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French Wedding Style

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Destination marriages

◊ I hope you enjoy browsing through my wedding and engagement photography website. I am based in Paris but often travel to shoot weddings. With high-speed trains and low cost flights it's very easy to reach places like London, Geneva, Switzerland, the French Riviera or even Morocco. Should you be organizing your wedding in Paris I could also recommend a number of vendors whom I know do a great job. Should you have any questions don't hesitate to send me an email or give me a ring. I would be more than happy to discuss your wedding day in more detail. ¶

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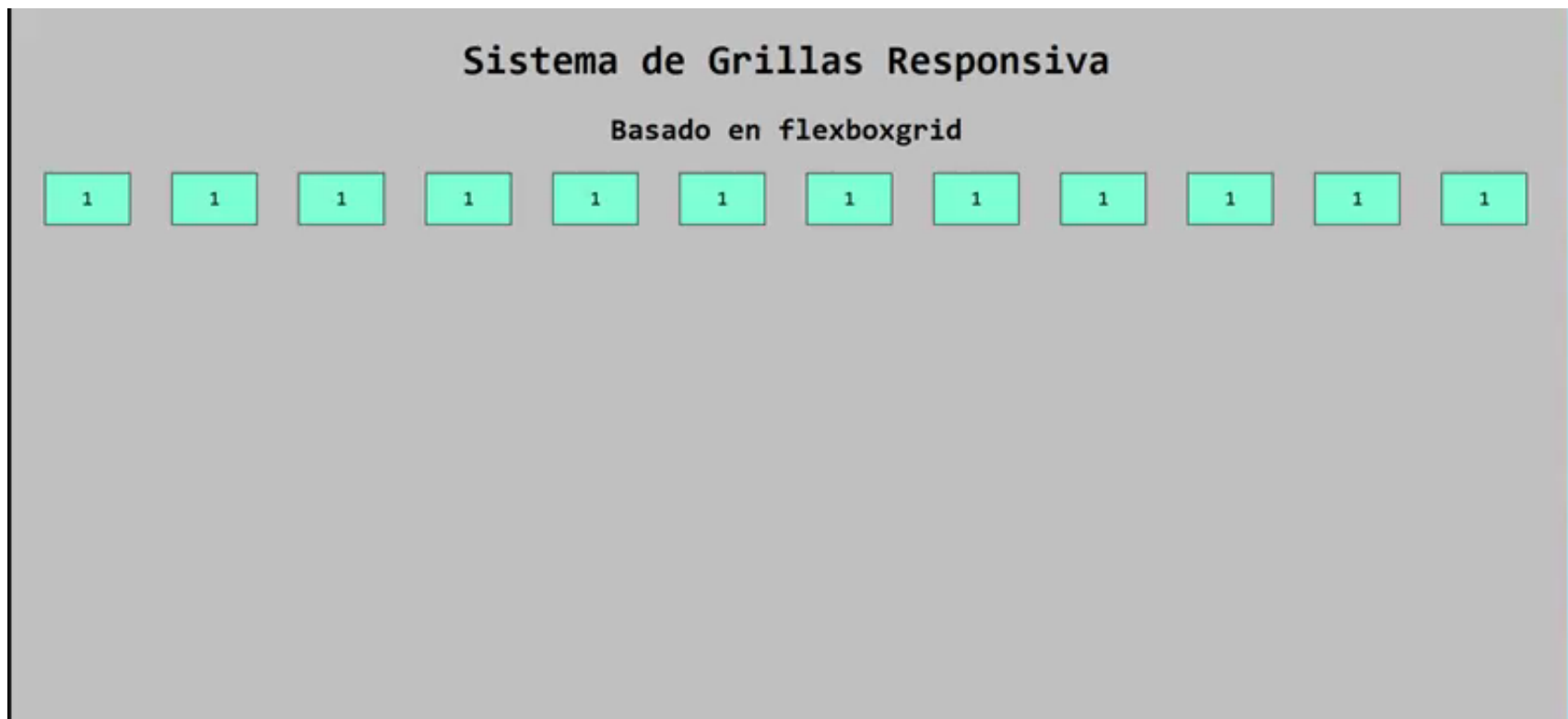
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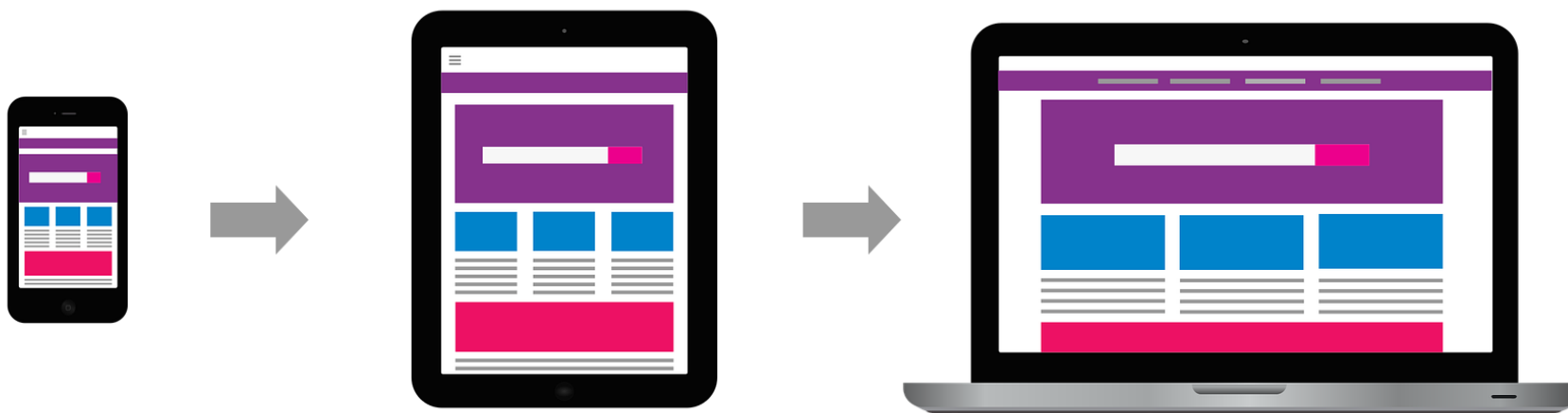
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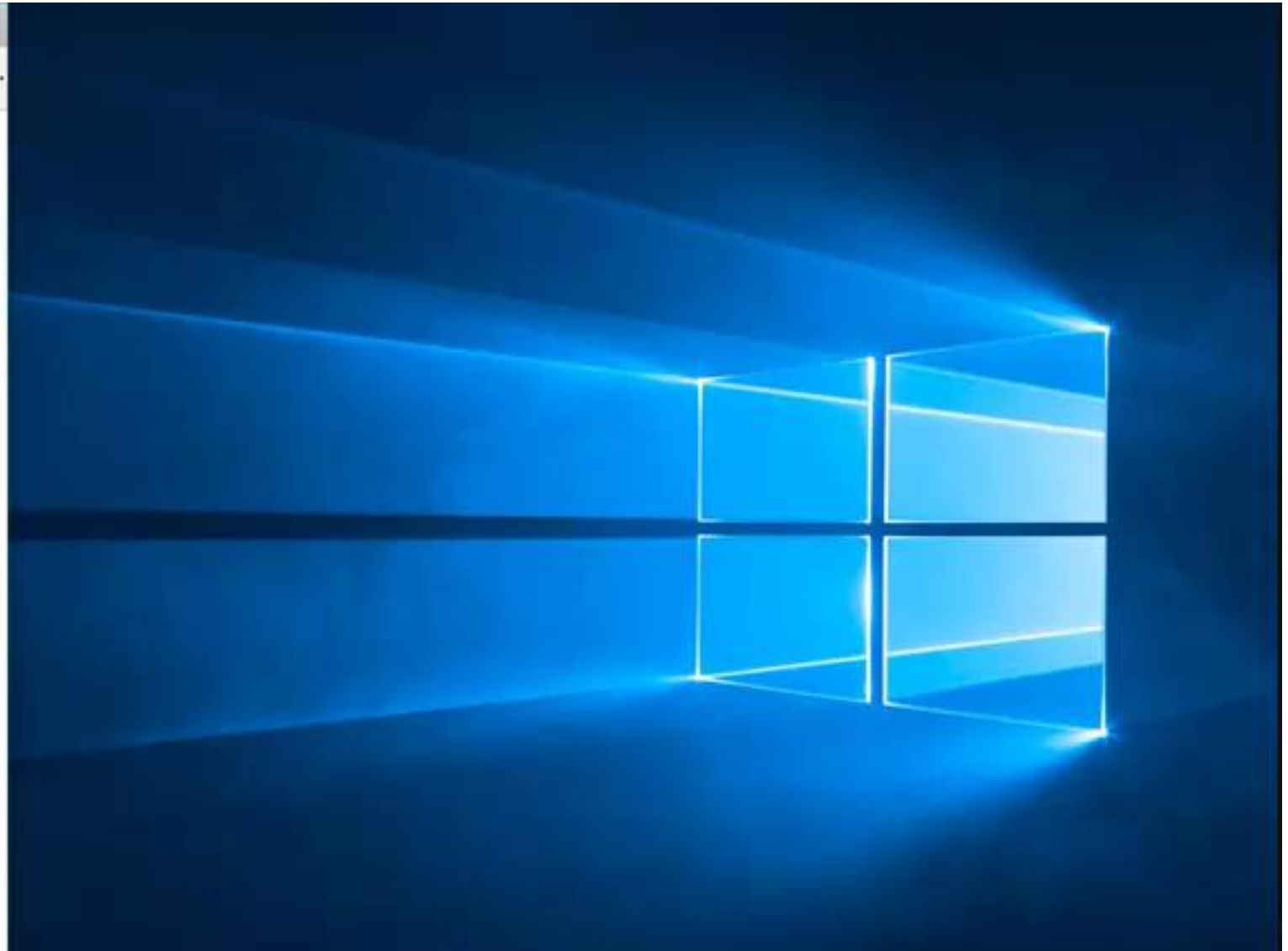
El tamaño que considera la grilla es el tamaño de **ventana del navegador**.
Al tamaño de ventana del navegador le llamamos: **Viewport**

Hoy en día, **los sitios web se diseñan primero pensando en los dispositivos móviles**, pues es desde donde se realiza la **mayor cantidad de conexiones**.

Una vez tengamos **definidas las secciones** de nuestro sitio utilizaremos la grilla para decidir **cómo se mostrará en cada pantalla** comenzando por el tamaño de pantalla más pequeño.



Enfoque Mobile First



Una de las maneras de adaptar **el contenido** de un sitio a **distintas resoluciones** es utilizar **Flexbox**, una característica incluida en CSS3 que facilita el manejo de nuestro sitio web para adaptarse a diferentes dispositivos.

Bootstrap, es un **sistema de grilla** basado en esta característica. Consiste en organizar el contenido de la página en **filas** que contendrán entre **1 y 12 columnas**.



<https://getbootstrap.com/>

	xs <576px	sm ≥576px	md ≥768px	lg ≥992px	xl ≥1200px	xxl ≥1400px
Container <i>max-width</i>	None (auto)	540px	720px	960px	1140px	1320px
Class prefix	<i>.col-</i>	<i>.col-sm-</i>	<i>.col-md-</i>	<i>.col-lg-</i>	<i>.col-xl-</i>	<i>.col-xxl-</i>
# of columns	12					
Gutter width	1.5rem (.75rem on left and right)					
Custom gutters	Yes					
Nestable	Yes					
Column ordering	Yes					

Cada **fila** será representada por un elemento `div`, u otro elemento semántico de bloque, asociada a la clase CSS **row** y, en el interior de cada fila, escribiremos tantos elementos de bloque `div` como columnas utilizará el contenido para cada tamaño, utilizando la clase **col** que corresponda.

Las **clases col** fueron definidas considerando el siguiente formato:

el prefijo `col`, seguido del tamaño de pantalla desde donde será válida la regla y de la cantidad de columnas que utilizará el elemento desde esa resolución.

		1
	xs	2
		3
	sm	4
		5
	md	6
col	-	7
	lg	8
		9
	xl	10
		11
	xxl	12



las clases `col` definen el **comportamiento desde la resolución de pantalla definida hacia adelante** por lo que, si un elemento tendrá el mismo comportamiento en todas las resoluciones, sólo basta con **definir la resolución más pequeña**