

RESPONSIVE WEB DESIGN

“Existe una tensión entre la web como la conocemos y como debería ser. Es la tensión entre un medio existente, el impreso, y su hija, la web. Es hora de entender la relación entre padre e hija, y de dejar que la hija siga su propio camino.”

John Allsop, 2000

¿QUÉ ES?

Una solución a un problema.



¿PROBLEMA?





¿QUÉ NO ES?

- ❖ No es una solución mágica.
- ❖ No es una moda.
- ❖ No es fácil.

UNA PÁGINA RESPONSIVE ES...

Una página web diseñada de forma que sea capaz de adaptarse al **contexto** en el que será visualizada.

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Bank of America hopes massive cuts will save billions

In a surprising plan to cut 30,000 jobs, which could save \$3 billion a year, CEO Brian Moynihan says "we're a much simpler company than we were 12 months ago."

- » [Economists say growth forecasts](#)

Obama urges Congress to act on jobs bill

Speaking from the Rose Garden, President Obama demanded a copy of the legislation and bluntly challenged: "We pass, no politics, no delays."

- » [Opinion: A \\$450 billion grab bag](#)

Mixed reviews for patent-law overhaul

Proposers of a law reforming the US patent system say it could spur a wave of innovation. Detractors claim it doesn't go far enough.

Many faiths, one purpose

More than 200 people of various religious affiliations packed a hall of the Islamic Center of Boston yesterday to commemorate the 9/11 anniversary.

- » [Photos: 9/11 remembrance](#)
- » [Life goes on, reminders remain](#)
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With '80s vibe, Hollywood retraces its steps

The sprawling movie set looks a bit like the second half of the 1980s, when studios were making big drama and comedies, often with major stars.

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79 Years of Service

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"With the bigger that always per me, 20's coming along when you hear them play."

DanielleKasas [@DanielleKasas](#)

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Most Popular

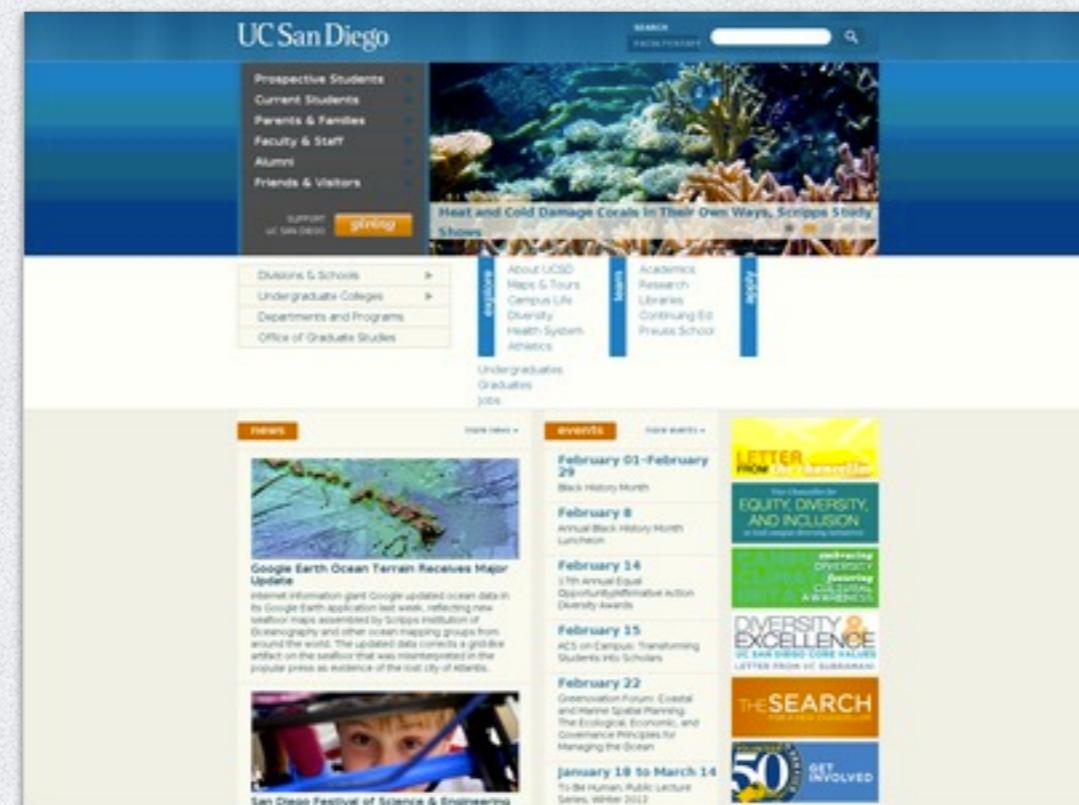
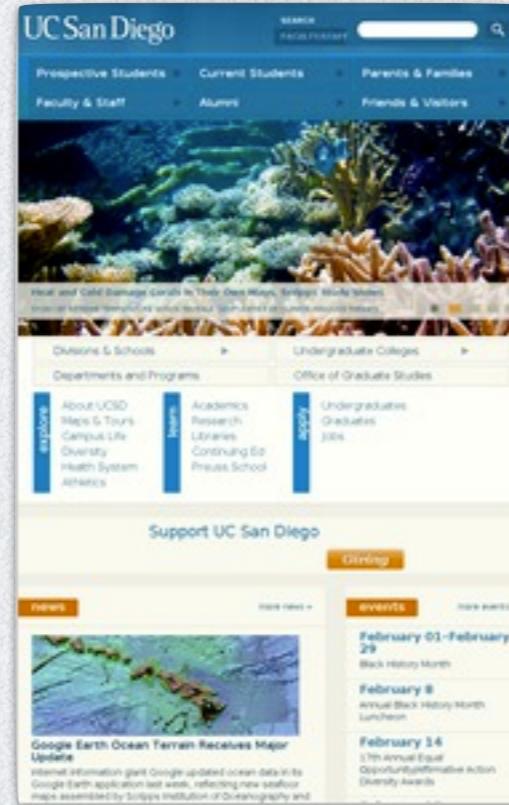
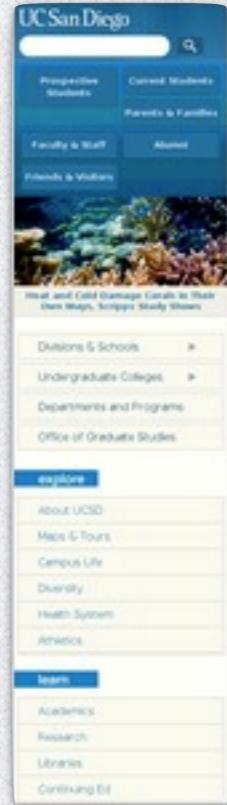
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1 **ESTRATEGIA**

- ❖ Presupuesto.
- ❖ Contenido.
- ❖ Audiencia.
- ❖ Objetivos.

PERO HAY UNA COSA EVIDENTE

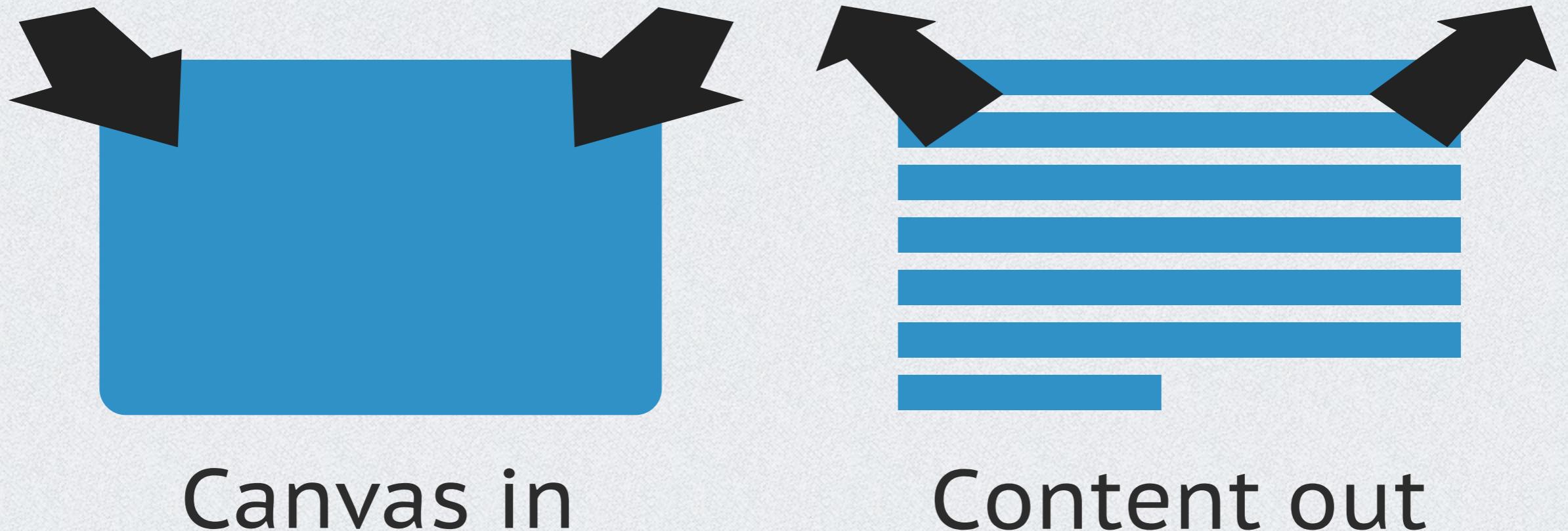
Aunque queramos, el mundo ya no se reduce a **960 píxeles.**

HOY, MÁS QUE NUNCA

“Content is king”

Bill Gates, 1996

CONTENIDO



EL CONTENIDO ES EL EJE

Encontrar nuestra **limitación** en cuanto al diseño (anuncios, proveedores externos, requisitos...) y construir a partir de ahí.

el

CONTENIDO

es lo que atrae al

USUARIO

US OPEN.org

Forbes .com

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Associated Press 

Book Is Inside Look at War on Terror

By PETE YOST 09.07.07, 3:25 PM ET

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WASHINGTON - Vice President Dick Cheney and other Bush administration officials "blew through" legal constraints they didn't like and weakened the presidency with a go-it-alone approach in the war on terror, a former Justice Department official writes in a new book.

In "The Terror Presidency," former assistant attorney general Jack Goldsmith details what he calls "one of the underappreciated stories in the war on terrorism: the daily clash inside the Bush administration between fear of another attack - which drives officials into doing whatever they can to prevent it - and the countervailing fear of violating the law, which checks their urge toward prevention."

Goldsmith rescinded two legal memos written by attorneys who previously ran the Office of Legal Counsel, which he

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Andrew Teufel
Director of Research, Fisher Investments

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2 PROCESO

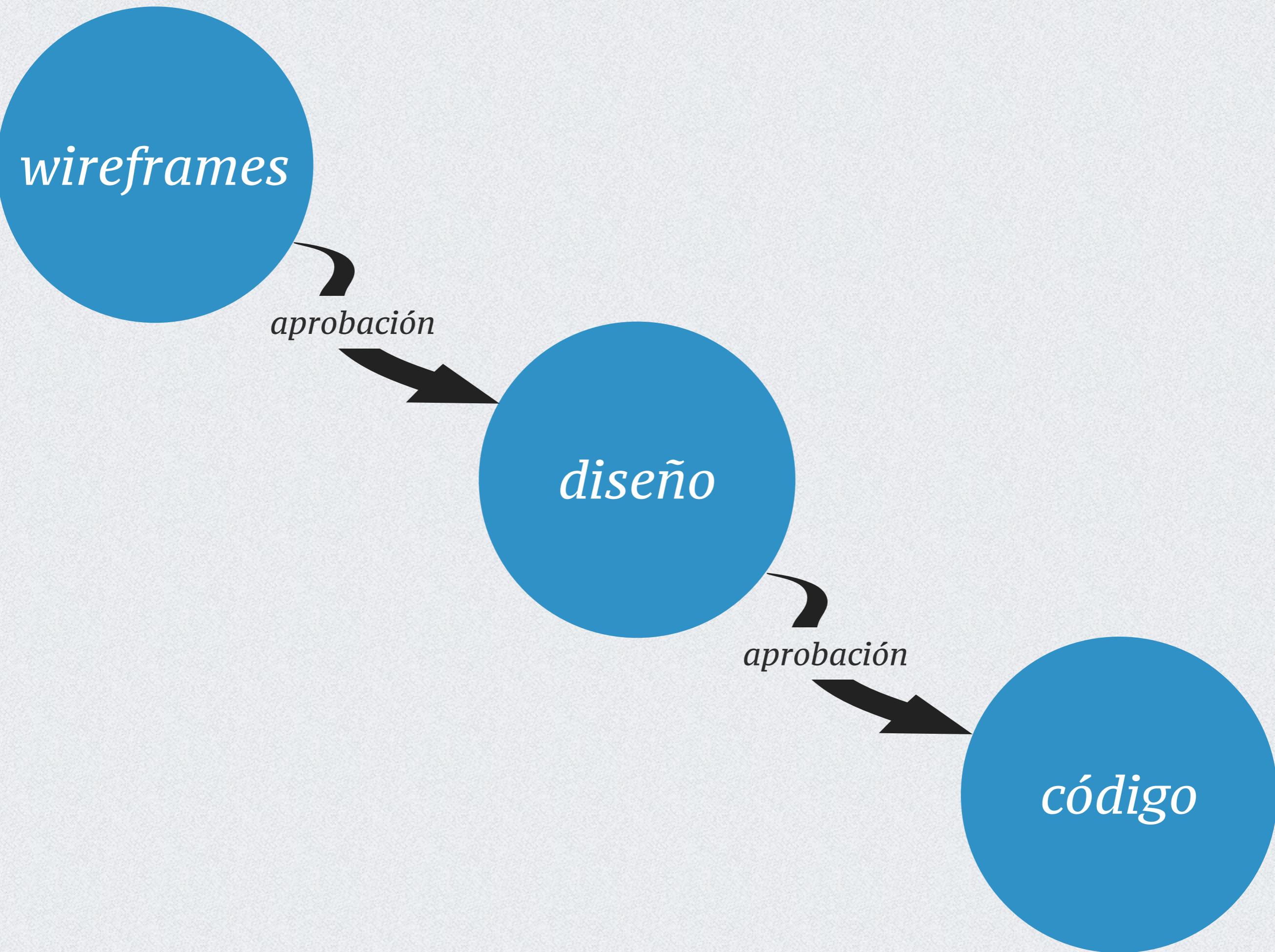
wireframes

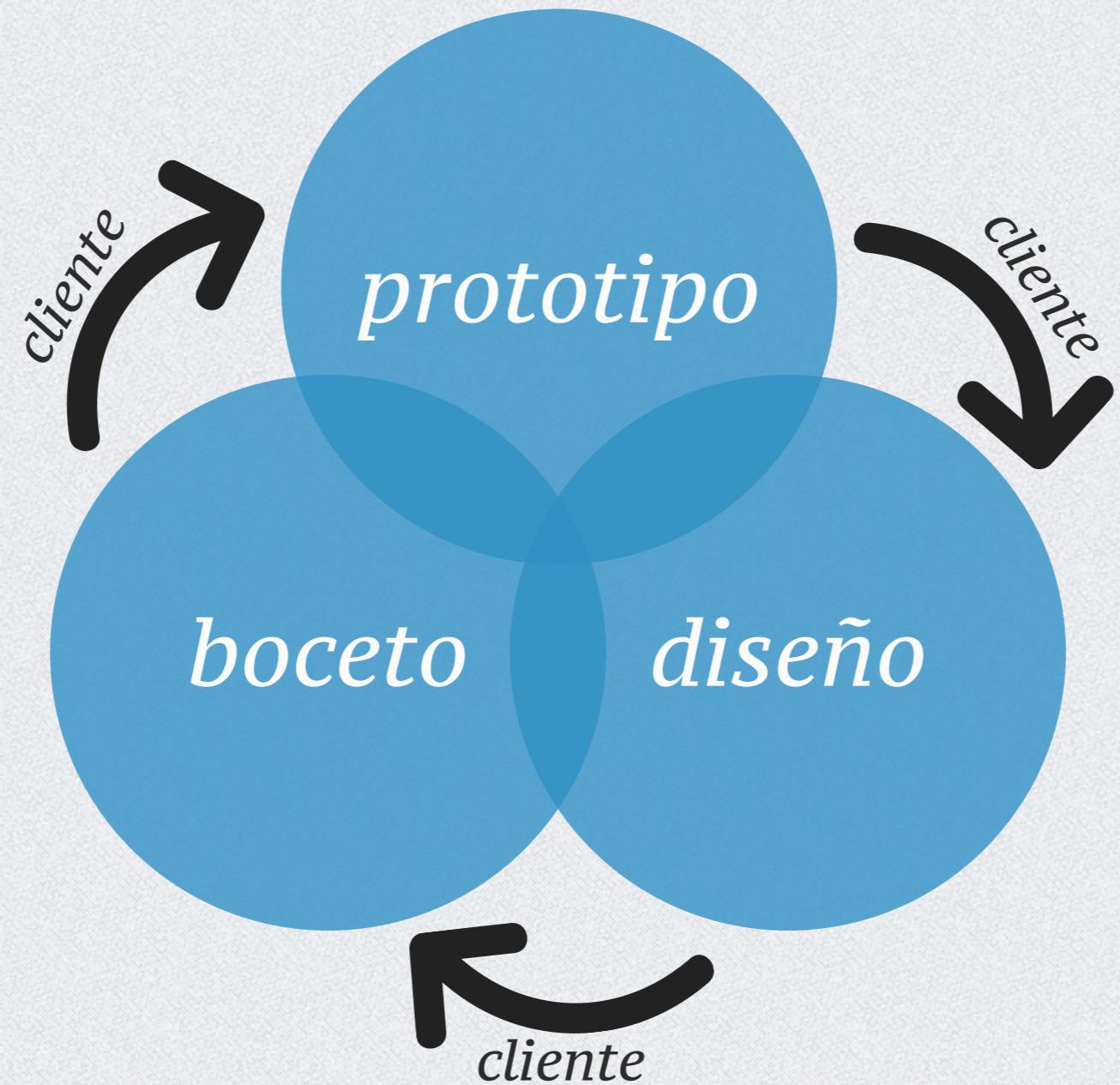
aprobación

diseño

aprobación

código





AGILE

“El desarrollo ágil es un marco de trabajo conceptual que promueve iteraciones en el desarrollo a lo largo de todo el ciclo de vida del proyecto.”

EL PAPEL DEL CLIENTE

- ❖ Involúcralo desde el principio.
- ❖ Evita la “gran revelación”.
- ❖ Habla con él a menudo.

3

A TRABAJAR

LAYOUTS PARA SWWWEEET FC

- ❖ Logo.
- ❖ Navegación: Inicio / Club / Entradas / Socios / El campo / Tienda.
- ❖ 3 noticias con foto (“El Cirque du Soleil visita el entrenamiento” / “Usobiaga: Venderemos cara la liga” / “Preparando la próxima temporada”).
- ❖ Banner anunciando la venta de entradas para el siguiente partido.
- ❖ Descripción de la historia del club, animando a hacerse socio (título: “Tirando balones fuera desde 2012”).
- ❖ Tabla con los próximos partidos, con fecha, hora, contrincante, y link para comprar entradas.
- ❖ Información legal y de copyright.

CONSIDERACIONES

- ❖ ¿Cómo debe fluir el contenido?
¿Cuál es el orden de importancia? ¿"Esto" va arriba o debajo de "aquellos"?
- ❖ ¿Cuándo debe “plegarse” el contenido?
¿Cómo debe plegarse? ¿Acordeón, carrusel o scroller?
- ❖ ¿Debería eliminarse este contenido?

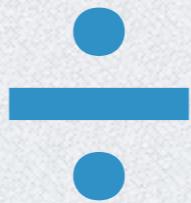
4

RESPONSIVE

- ❖ Retícula fluida.
- ❖ Imágenes (**media**) flexibles.
- ❖ **CSS3** Media queries.

RETÍCULA FLUIDA

target



context

RETÍCULA FLUIDA

1000px

250
px

```
#aside{  
    width: 25%;  
    /* 250px/1000px */  
    margin-right: 2%;  
    /* 20px/1000px */  
}
```

**140px =
14.893617%**

300px = 31.914894%

460px = 48.93617%

620px = 65.957447%

780px = 82.978723%

940px = 100%

RETÍCULA FLUIDA: TIPOGRAFÍA

16px \approx 1em

NUEVOS AMIGOS:

pxtoem.com

riddle.pl/emcalc

0, MÁS SENCILLO:

```
html {  
    font-size: 62.5%;  
}  
  
body{  
    font-size: 16px;  
    font-size: 1.6rem;  
}
```

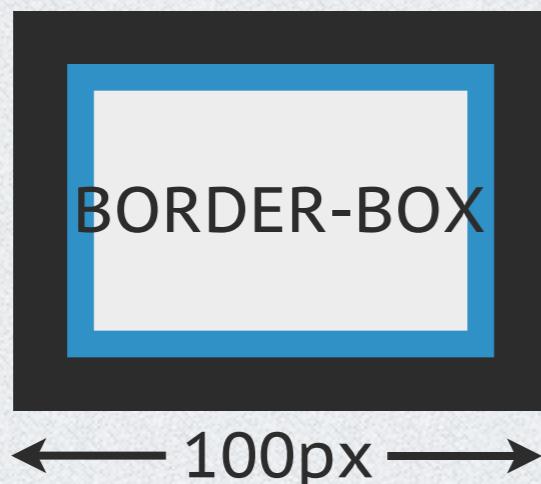
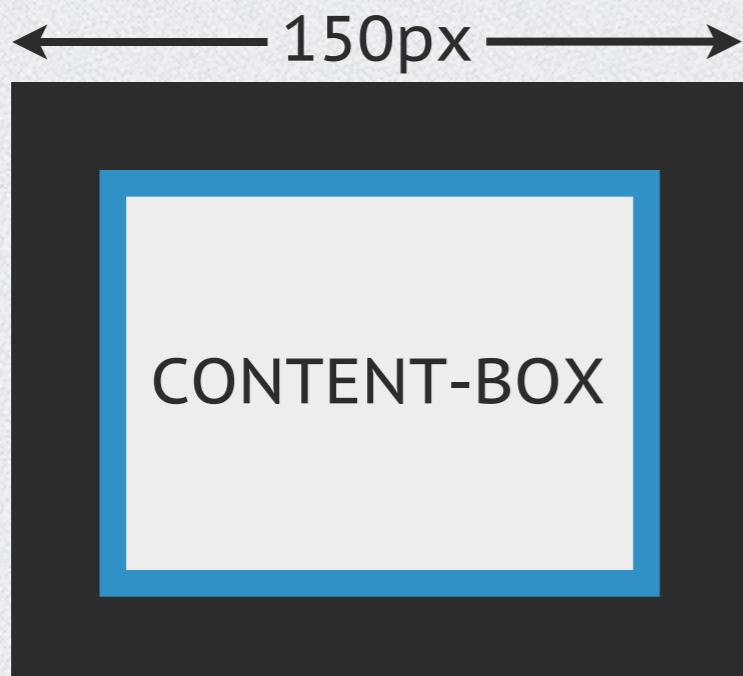
Y, ALGÚN DÍA...

- ❖ **vw**: viewport width
- ❖ **vh**: viewport height
- ❖ **vmin**: viewport minimum

DOMINANDO PADINGS Y BORDES

```
*{  
    -webkit-box-sizing: border-box;  
    -moz-box-sizing: border-box;  
    box-sizing: border-box;  
}
```

DOMINANDO PADINGS Y BORDES



```
.box{  
    width: 100px;  
    border: 5px solid;  
    padding: 20px;  
}
```

VIAJES

OBJETOS

EMPRESA

SEGURIDAD



TE TRAFMOS EL RELOJ DEL RISARUELO

EN PRÁCTICA

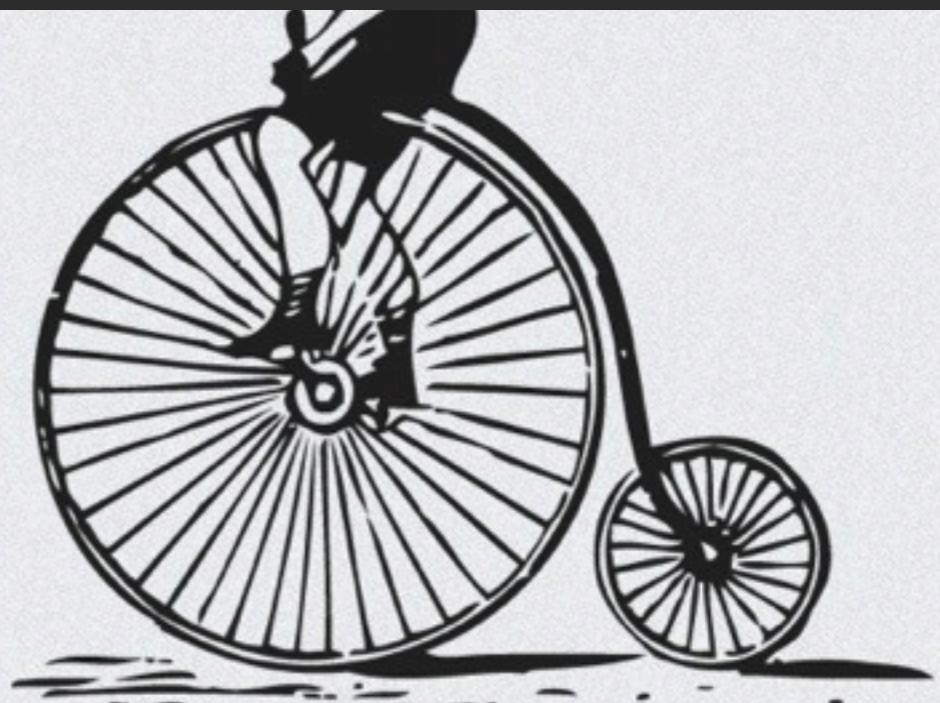
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nisi ut aliquip ex ea commodo consequat.

VIAJA A LA EDAD MEDIA CON TUS COLEGAS

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nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

CONTRATAR



IMÁGENES (MEDIA) FLEXIBLES

```
<span class="img-container">  
    
</span>
```

```
.img-container {width: 27.38%;}
```

```
.img-container img {max-width: 100%;}
```

TAMBIÉN SIRVE PARA

- ❖ vídeo
- ❖ iframe
- ❖ canvas
- ❖ object

IMÁGENES DE FONDO





```
hgroup{  
    max-width: 55%;  
    background: url(img.png) no-repeat  
        right 40%;  
    background-size: 47% auto;  
}
```

BACKGROUND-SIZE

- ❖ auto
- ❖ length
- ❖ cover
- ❖ contain

VIAJES

OBJETOS

EMPRESA

SEGURIDAD



TE TRAFMOS EL RELOJ DEL RISARUELO

EN PRÁCTICA

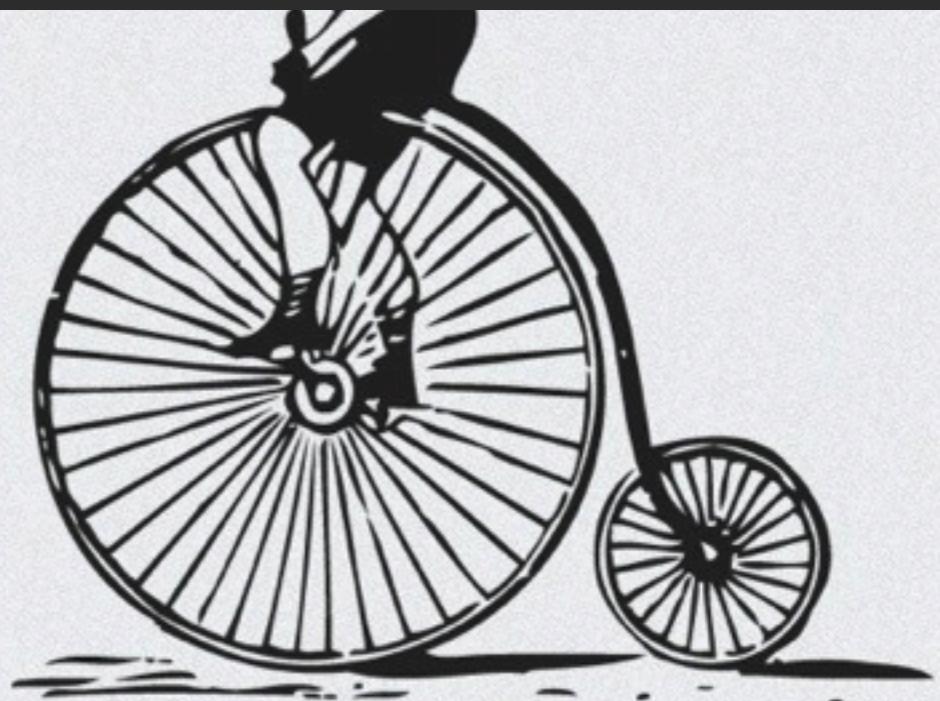
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris

nisi ut aliquip ex ea commodo consequat.

VIAJA A LA EDAD MEDIA CON TUS COLEGAS

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incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis
nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

CONTRATAR



CSS3 MEDIA QUERIES

```
@media screen and (max-width:320px){  
    #aside{  
        float: none;  
        width: 100%;  
    }  
}
```

¿MOBILE FIRST?

```
@media screen and (min-width:700px){  
    #aside{  
        float: right;  
        width: 30%;  
    }  
}
```

EN HOJAS DE ESTILO SEPARADAS

```
<link rel="stylesheet" href="phone.css"  
media="only screen and (min-width: 320px)  
and (max-width : 480px)">
```

META VIEWPORT

```
<meta name="viewport"  
      content="width=device-width,  
      initial-scale=1.0">
```

BREAKPOINTS POPULARES



320px
480px



768px
1024px



+1200px



+1800px

¡CUIDADO!

populares



future-proof

PREPARADOS PARA EL FUTURO

El uso de media queries debería estar dictado por el [contenido](#), no por los dispositivos. O, dicho de otra forma, pongamos la media query en el punto donde el diseño se rompa.

MEDIA QUERIES EN EMS

@media screen and (max-width: 35em)

NO SOLO PARA MAX-/MIN-WIDTH

- ❖ max-height / min-height
- ❖ device-width / device-height
- ❖ orientation(landscape / portrait)
- ❖ min-device-pixel-ratio

VIAJES

OBJETOS

EMPRESA

SEGURIDAD



TE TRAFMOS EL RELOJ DEL RISARUELO

EN PRÁCTICA

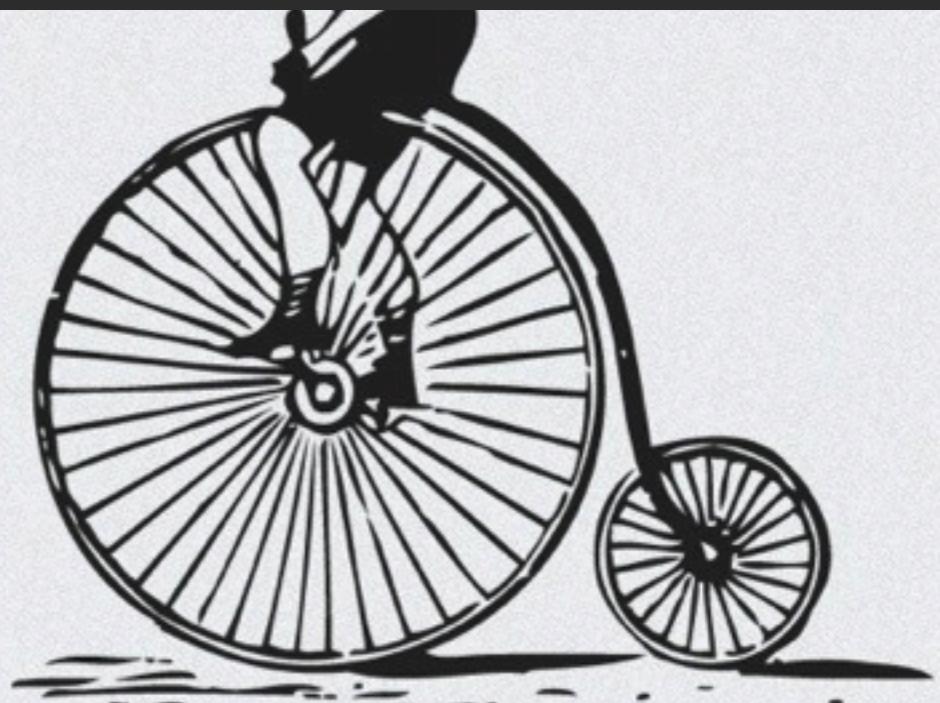
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris

nisi ut aliquip ex ea commodo consequat.

VIAJA A LA EDAD MEDIA CON TUS COLEGAS

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CONTRATAR



5

RETOS RWD

RETO 1: TIPOGRAFÍA

Aunque el font-size relativo nos permite cambiar el tamaño, la tipografía **no se escala** junto con el viewport.

RETO 1: TIPOGRAFÍA



A jQuery plugin for inflating web type

Download on Github

FitText makes font-sizes flexible. Use this plugin on your fluid or responsive layout to achieve scalable headlines that fill the width of a parent element.

RETO 2: VÍDEO EXTERNO

Los object o iframes externos
(Youtube, Vimeo...) y Flash no se
reescalan como deberían.

RETO 2: VÍDEO EXTERNO



RETO 3: NAVEGADORES VIEJUNOS

Los navegadores más antiguos
(IE8-) no tienen soporte para
media queries.

RETO 3: NAVEGADORES VIEJUNOS

respond.js

RETO 4: OPTIMIZAR IMÁGENES

Deberíamos ser capaces de servir imágenes adaptadas al dispositivo / resolución que las vaya a descargar.

RETO 4: OPTIMIZAR IMÁGENES

- ❖ ancho de banda
- ❖ plan de datos / roaming
- ❖ tethering / router 3G / MiFi
- ❖ velocidad de carga

RETO 4: OPTIMIZAR IMÁGENES

adaptive-images

RETO 4: OPTIMIZAR IMÁGENES

No existe ninguna solución perfecta. Una buena opción es descargar imágenes **pequeñas** y luego, si es necesario, sustituirlas vía JS.

RETO 4: OPTIMIZAR IMÁGENES

responsive-enhance

RETO 4: OPTIMIZAR IMÁGENES

picturefill.js

RETO 4: OPTIMIZAR IMÁGENES



Journal Links Articles About Contact

dConstruct optimisation

May 1st, 2012

When I was helping [Bevan](#) with making [the dConstruct site](#), I kept banging on to him about the importance of performance.

Don't get me wrong: I wanted the site to *look* great, but I also very much wanted it to *feel* great ...and nothing affects the feel of a site (the user's experience, if you will) more than performance. As [Jason wrote](#):

If you could only do one thing to prepare your desktop site for mobile and had to choose between employing media queries to make it look good on a mobile device or optimizing the site for performance, you would be better served by making the desktop site blazingly fast.

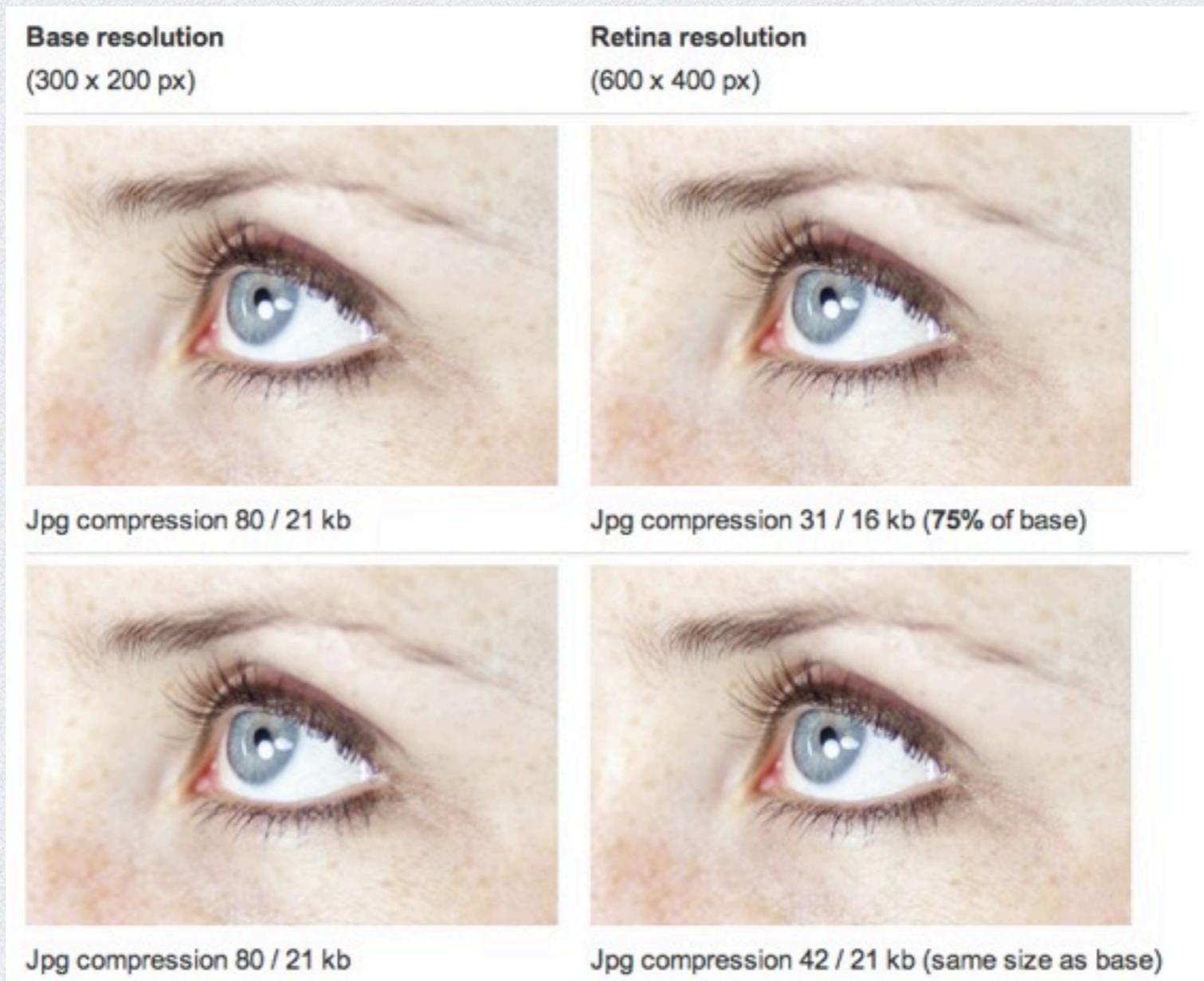
And yet this fundamental aspect of how performant a site is going to be is all too often left until the development phase. I'd really like to see it taken into account much earlier on, during the UX and visual design phases.

Anyway, as the dConstruct site came together, I just kept asking "What would [Steve Souders](#) do?"

RETO 5: RETINA DISPLAY

```
@media screen and  
(-webkit-min-device-pixel-ratio: 2){  
    .box{  
        background-image: url(img2x.png);  
    }  
}
```

RETO 5: RETINA DISPLAY



RETO 5: RETINA DISPLAY

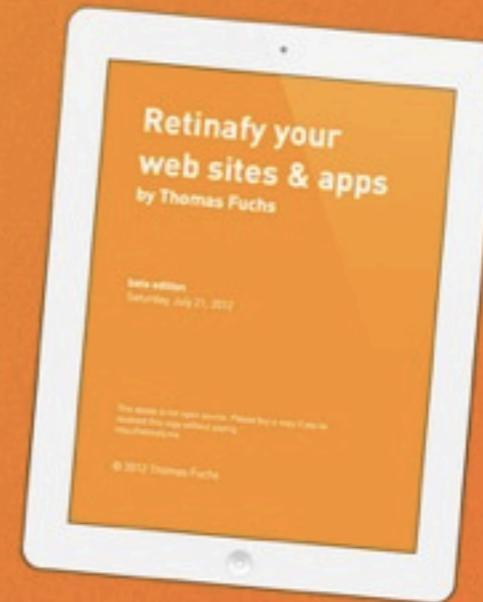
Retinify your web sites & apps



by Thomas Fuchs

Now that phones, tablets and laptops use high-resolution, “can’t tell it’s pixels” displays it’s time to take the plunge and [make your sites and apps ready for retina](#).

With my ebook you’ll be up to speed in no time, with [easy to follow step-by-step instructions on creating stunningly beautiful high-resolution websites](#), that load fast and work in any browser.



[Tweet](#)

RETO 5: RETINA DISPLAY

- ❖ CSS3
- ❖ SVG
- ❖ fuentes de iconos

RETO 5: RETINA DISPLAY

CSS3 Patterns Gallery

Click on a pattern to expand • Textareas are editable • Browser support • Submit a new one • Github repo • Enjoy!



RETO 5: RETINA DISPLAY

The screenshot shows the Smashing Magazine website layout. On the left is a sidebar with navigation links: Books, eBooks, Job Board, Shop, and social media icons for RSS, Facebook, Twitter, and Google+. Below these are sections for Coding (CSS, HTML, JavaScript, Techniques), Design (Web Design, Typography, Inspiration, Business), Mobile (Responsive, iPhone & iPad, Android, Design Patterns), and Graphics (Photoshop, Illustrator). The main content area features a large title 'Resolution Independence With SVG' in bold black font, followed by 'By David Bushell' and a timestamp 'January 16th, 2012'. It also includes category icons for CSS and 67 Comments. The article summary starts with 'In this article, we'll look at Scalable Vector Graphics (SVG), one of the most underused technologies in website development today.' The full article content follows.

Resolution Independence With SVG

By David Bushell

January 16th, 2012 • CSS • 67 Comments

In this article, we'll look at Scalable Vector Graphics (SVG), one of the most underused technologies in website development today.

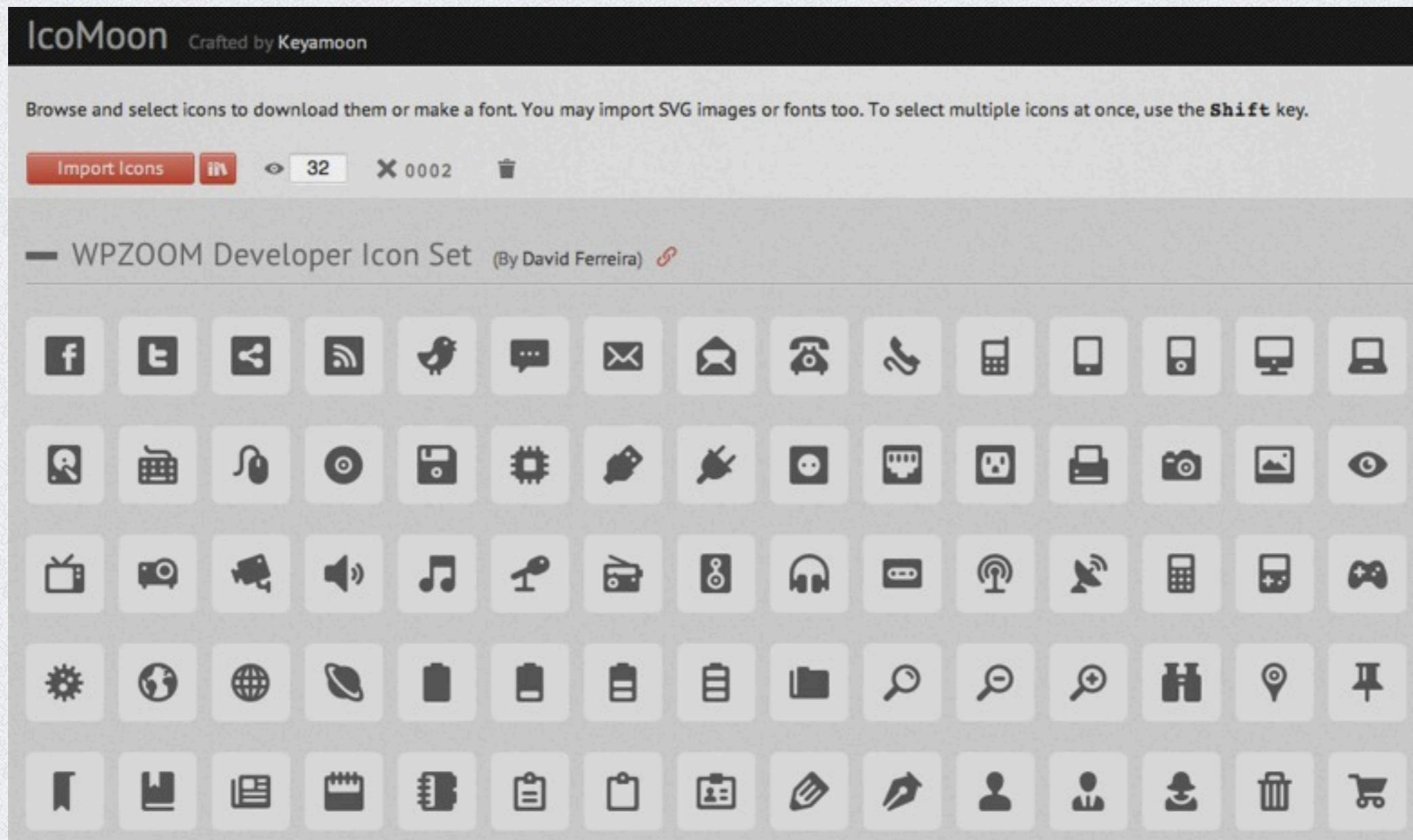
Before diving into an example, let's consider the state of the Web at present and where it is going. Website design has found new vigor in recent years, with the evolving technique of **responsive design**. And for good reason: essentially, responsive website design moves us away from the fixed-width pages we've grown accustomed to, replacing them with shape-shifting layouts and intelligent reflowing of content. Add to that a thoughtful content strategy and mobile-first approach, and we're starting to offer an experience that adapts across devices and browsers to suit the user's context.

When we look at the breadth of Web-enabled devices, responsive design is sure to provide a better user experience. Scrolling horizontally, panning and zooming the viewport have their place in user interface design, but forcing the user to do these things just to navigate a website quickly becomes tedious. Fitting the website to the viewport is about more than just layout: it's also about **resolution**. In this article, I'll demonstrate why SVG is a perfect addition to future-friendly Web development.

INTRODUCING SVG

SVG offers a truly resolution-independent technique for presenting graphics on the Web. SVG is a vector graphics format that uses **XML** to define basic properties such as paths, shapes, fonts and colors, and more advanced features such as gradients, filters, scripting and animation. Create the file once and use it anywhere, at any scale and resolution.

RETO 5: RETINA DISPLAY



RETO 5.5: ~~iPAD 3~~ NUEVO iPAD

“Las resoluciones de pantalla van a aumentar. Punto. En diseño web, el juego se llama adaptación. No es el fin del mundo.”

@robweychert

RETO 6: NAVEGACIÓN

“Content first. Navigation second.”

Luke Wroblewski

RETO 6: NAVEGACIÓN

EL EVENTO

EL LUGAR

ENTRE ACTOS

LUNA DE MIEL



EL EVENTO

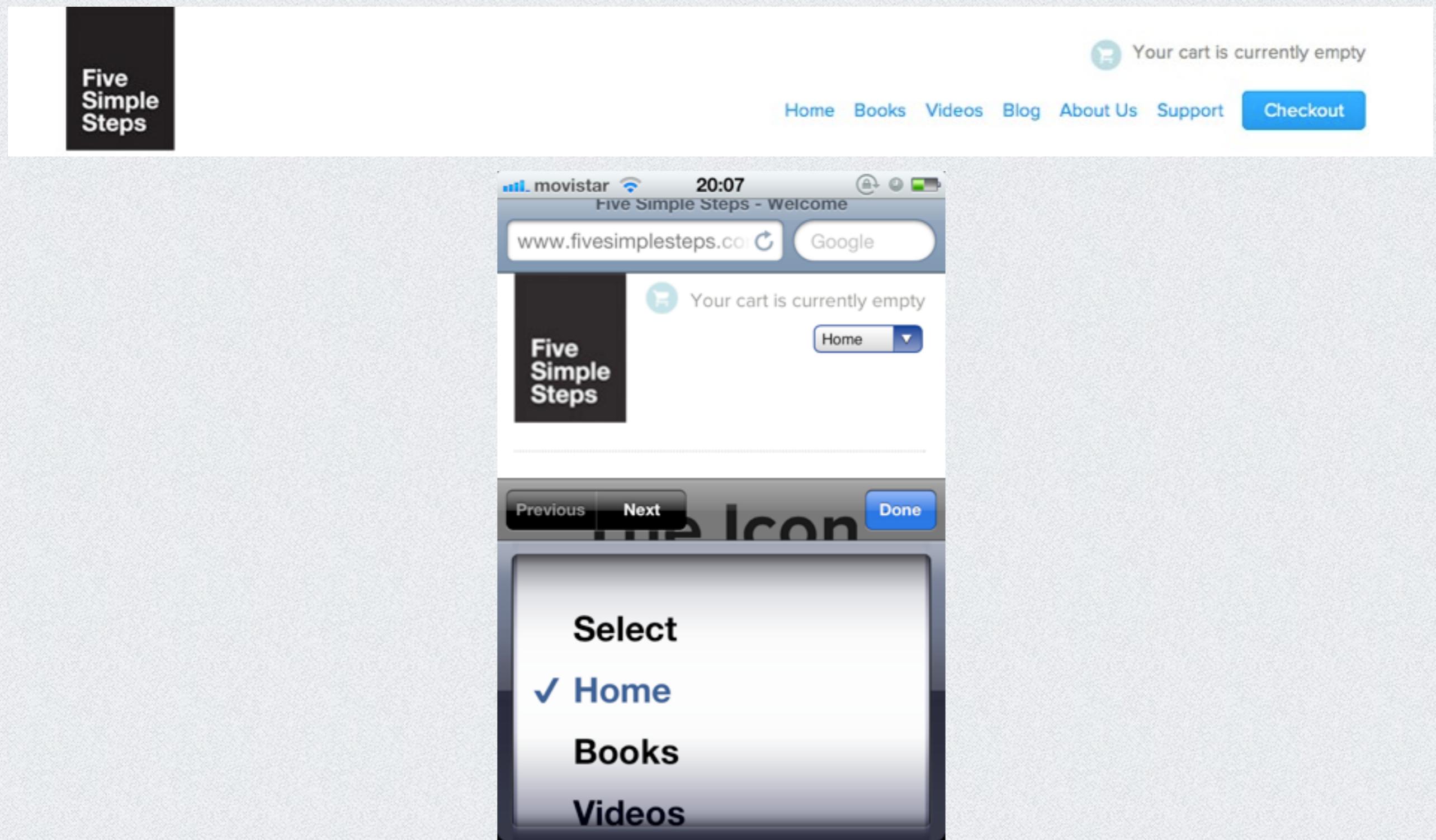
EL LUGAR

ENTRE ACTOS

LUNA DE MIEL

El evento

RETO 6: NAVEGACIÓN



RETO 6: NAVEGACIÓN

css-tricks.com/convert-menu-to-dropdown

RETO 6: NAVEGACIÓN

The image shows a screenshot of the Starbucks mobile website. On the left, a dark sidebar menu is visible with links for Coffee, Menu, Coffeehouse, Responsibility, Shop, and Card. An orange arrow points from this sidebar to the main content area on the right. The main content area features the Starbucks logo at the top, followed by navigation links for Sign In, Customer Service, Find a Store, and a search bar. Below this, there are five main categories: Coffee (Beans Blends Brewing), Menu (Drinks Food Nutrition), Coffeehouse (Music Wi-Fi Community), Responsibility (Ethical Local Global), and Shop (Search Compare Buy). A central video player displays a video about Starbucks Blonde Roast coffee, with a play button in the center. To the right of the video, there are four promotional cards: "Discover your perfect roast.", "What's your Everylove story?", "The story behind Blonde Roast.", and "Can we treat you to a drink?". At the bottom of the screen, a question is displayed: "Do you prefer Starbucks® Blonde Roast, Medium or Dark?".

RETO 6: NAVEGACIÓN

bradfrostweb.com/blog/web/responsive-nav-patterns

bradfrostweb.com/blog/web/complex-navigation-patterns-for-responsive-design

RETO 7: LAYOUT



RETO 7: LAYOUT

LUKEW
IDEATION + DESIGN



"The basis for success of [media] products, in addition to their usability and efficiency, is often the potential to arouse." — Reeves & Naas, 1999

15% off my book *Mobile First*. In the A Book Apart bundle.

ABOUT WRITINGS PRESENTATIONS

Multi-Device Layout Patterns

by Luke Wroblewski March 14, 2012

Through fluid grids and media query adjustments, responsive design enables Web page layouts to adapt to a variety of screen sizes. As more designers embrace this technique, we're not only seeing a lot of innovation but the emergence of clear patterns as well. I cataloged what seem to be the most popular of these patterns for adaptable multi-device layouts.

To get a sense of emerging responsive design layout patterns, I combed through all the examples curated on the Media Queries gallery site several times. I looked for what high-level patterns showed up most frequently and tried to avoid defining separate patterns where there were only small differences.

Mostly Fluid

The most popular pattern was perhaps surprisingly simple: a multi-column layout that introduces larger margins on big screens, relies on fluid grids and images to scale from large screens down to small screen sizes, and stacks columns vertically in its narrowest incarnations (illustrated below).



RETO 7: LAYOUT

appendAround.js

RETO 8: SLIDERS

Flexslider

An awesome, fully responsive jQuery slider plugin.

- ✓ Simple, semantic markup
- ✓ Supported in all major browsers
- ✓ Horizontal/vertical slide and fade animations
- ✓ Multiple slider support, Callback API, and more
- ✓ Hardware accelerated touch swipe support
- ✓ Custom navigation options
- ✓ Use any html elements in the slides

[DOWNLOAD FLEXSLIDER](#) OR [Live Demo](#)



• • • •

RETO 9: TABLAS

First Name	Last Name	Job Title	Favorite Color	Wars or Trek?	Porn Name	Date of Birth	Dream Vacation City	GPA	Arbitrary Data
James	Matman	Chief Sandwich Eater	Lettuce Green	Trek	Digby Green	January 13, 1979	Gotham City	3.1	RBX-12
The	Tick	First Name	James		John Smith	July 19, 1968	Athens	N/A	Edlund, Ben (July 1996).
		Last Name	Matman		Smurflane Smurfmutt	Smurfuary Smurfteenth, 1945	New Smurf City	4. Smurf	One
Jokey	Snork	Job Title	Chief Sandwich Eater		Lori Quivey	July 5, 1956	Paris	3.4	3451
Cindy	Bee	Favorite Color	Lettuce Green		Steve 42nd	December 13, 1982	Las Vegas	1.9	Under the couch
Captain	Cool	Wars of Trek?	Trek						
		Porn Name	Digby Green						
		Date of Birth	January 13, 1979						
		Dream Vacation City	Gotham City						
		GPA	3.1						
		Arbitrary Data	RBX-12						
		First Name	The						
		Last Name	Tick						
		Job Title	Crimefighter Sorta						

RETO 9: TABLAS

css-tricks.com/responsive-data-table-roundup

elvery.net/demo/responsive-tables

dyn.com/responsive-css-table-design-in-practice-web-development

6

RECURSOS

FRAMEWORKS



320 and up

The ‘tiny screen first’ boilerplate extension*

Responsibly responsive

‘320 and Up’ starts with a tiny screen stylesheet that contains only reset, colour and typography styles. Media Queries then load assets and layout styles progressively and only as they’re needed. Think of this as *responsible* responsive design. ‘320 and Up’ is a device agnostic, one web boilerplate.

‘320 and Up’ contains:

Five Media Query increments: 480, 600, 768, 992 and 1382px

Vertical grid based on Less Framework 4

Two versions: multiple linked stylesheets, or a single stylesheet with multiple Media Queries

Updated for HTML5
Boilerplate version 2

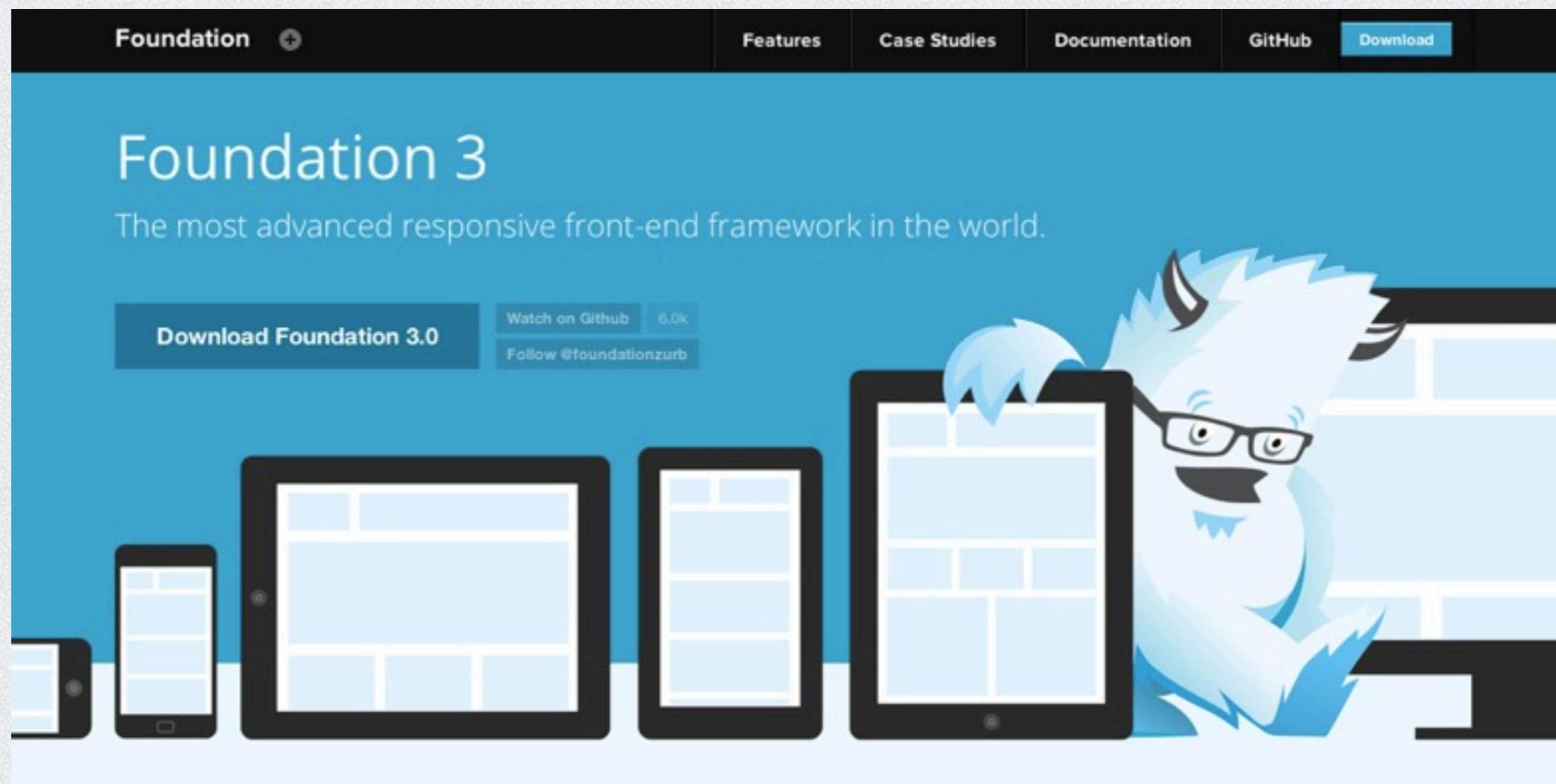


[Download ‘320 and Up’ from GitHub](#)

Download HTML5 Boilerplate
Choose either the standard or mobile boilerplate.

Replace these files and folders
404.html, index.html,
/css/, /img/ and /js/
from HTML5 Boilerplate
with ‘320 and Up’

FRAMEWORKS



FRAMEWORKS



twitter.github.com/bootstrap

FRAMEWORKS

The image shows the homepage of Gridset. At the top, there is a navigation bar with the Gridset logo, menu items (Features, Pricing, About, Help, Blog), and account links (Sign In or Sign up). Below the navigation is a large banner. The banner features a blurred background of a person working on a laptop and a close-up of a plant. Overlaid on the banner is the text "Web Layout Evolved." in large white letters, followed by "We're changing the way people think about layout on the web." in smaller white text. At the bottom of the banner are two buttons: "See it in action" (dark grey) and "Sign up for free" (blue). Below the banner, there are three small screenshots: a grid editor interface, a file browser, and a code editor showing CSS code for a sidebar.

```
sidebar {  
  float: left;  
  width: 36.61822886%;  
}
```

TESTING

<http://bostonglobe.com>

Width only
 Device sizes

240

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The Boston Globe

MARCH 9, 2012

SECTIONS

0 MY SAVED



Strength of US jobs data shows breadth of recovery

The country added 227,000 jobs in February, making the past three months the strongest period of pure job growth since the recession.

FDA considers putting more drugs over-the-counter

Faster drug approval and curtailing off-label use of certain drugs are among

320

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The Boston Globe

MARCH 9, 2012

SECTIONS

0 MY SAVED



Strength of US jobs data shows breadth of recovery

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FDA considers putting more drugs over-the-counter

Faster drug approval and curtailing off-label use of certain drugs are among several initiatives outlined by the US Food and Drug Administration.

 Campaign2012

480

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43° PARTLY SUNNY WEATHER | TRAFFIC | TEXT SIZE | LOG IN

The Boston Globe

MARCH 9, 2012

SECTIONS

0 MY SAVED



Strength of US jobs data shows breadth of recovery

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 Campaign2012

In ad, Scott Brown takes credit for spending pledge

Brown praises his Democratic opponent Elizabeth Warren on the agreement to curb outside spending, while taking full credit for initiating the pact.

TESTING

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The Boston Globe MARCH 9, 2012 SECTIONS 0 MY SAVED Q

Strength of US jobs data shows breadth of recovery

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Brown praises his Democratic opponent Elizabeth Warren on the agreement to curb outside spending, while taking full credit for initiating the pact.

TESTING

http://bostonglobe.com | Open Scrollbar visible? Width: ● 640 Height: ● 480 Share

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46° CLOUDY

The Boston Globe

SECTIONS TODAY'S PAPER 0 MY SAVED Search



BOB PACKERT

EXCLUSIVE SUNDAY PREVIEW | GLOBE MAGAZINE

Strength of US jobs data shows breadth of recovery

The country added 227,000 jobs in February, making the past three months the strongest period of pure job growth since the recession.

FDA considers putting more drugs over-the-counter

Faster drug approval and curtailing off-label use of certain drugs are among several initiatives

TESTING

Introducing
Adobe Edge Tools & Services
New tools and services for a beautiful, modern web.

An Rf Co In
Wf T Bd

Introducing
Adobe Edge Tools & Services
New tools and services for a beautiful, modern web.

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Wf T Bd

Introducing
Adobe Edge Tools & Services
New tools and services for a beautiful, modern web.

An Rf Co In
Wf T Bd

html.adobe.com/edge/inspect

DEBUGGING

Debugging CSS Media Queries

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MAY 11 · [PERMALINK](#) · READ MORE POSTS ABOUT [DESIGN](#) AND [CSS](#)

IN RESPONSIVE WEB DESIGN we're working with different states, widths, and viewport sizes. Fluidity and adaptive behavior is a hot subject nowadays, and it's perfectly justified when looking at today's mobile browser landscape. We achieve this with CSS's Media Queries. But sometimes it can be messy – I'm gonna share a quick tip for indicating (with pure CSS) which media query that has actually kicked in.

The problem

When I'm in the early markup stage of a site project I usually lay out a solid, fluid grid foundation to build upon. I'm carving out the different sections of the design in rough code and am also playing around with some media queries – deciding how many to use and how. Some debug stuff is used; boxes that change colour when different media queries fires, and so on. But I sort of wanted a more slick way of visually showing when the media queries fired, and I created one. It's dead simple – no fancy stuff – but it works. I also have no idea wether it's already been done or not.

[MEDIA QUERY DEBUGGER DEMO](#)

EMULADORES

iOS SDK

developer.apple.com/devcenter/ios

Android SDK

developer.android.com/sdk

Firefox Mobile

www.mozilla.org/es/mobile/#desktop

Opera Mini

opera.com/developer/tools/mini

Opera Mobile

opera.com/developer/tools/mobile

PÁGINAS



bradfrost.github.com/this-is-responsive

PÁGINAS

The screenshot shows the homepage of mobilewebbestpractices.com. At the top, there's a navigation bar with links: MOBILE WEB BEST PRACTICES, STRATEGY, USER EXPERIENCE, VISUAL DESIGN, DEVELOPMENT, FAQ, and @ RESOURCES. Below the navigation is a large section titled "MOBILE WEB BEST PRACTICES*". To the right of this title are four stylized smartphone icons, each labeled "WEB". Below this section is a "PICK YOUR POISON" area containing six categories, each with a playing card symbol: STRATEGY (spade), USER EXPERIENCE (club), VISUAL DESIGN (heart), DEVELOPMENT (diamond), FAQ (question mark), and @ RESOURCES (@ symbol). A large blue bracket groups the first three categories under "PICK YOUR POISON".

MOBILE WEB BEST PRACTICES*

"Best practices" is a loaded term when it comes to creating mobile web experiences. It's a unique context with its own challenges and opportunities. While there's no silver bullet, this site will help you ask the right questions and help solve problems so you can start creating future-friendly web experiences.

PICK YOUR POISON

STRATEGY USER EXPERIENCE VISUAL DESIGN

DEVELOPMENT FAQ @ RESOURCES

PÁGINAS

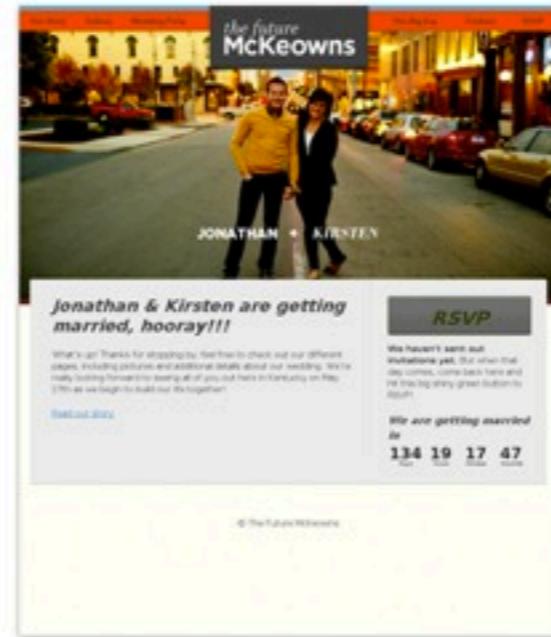
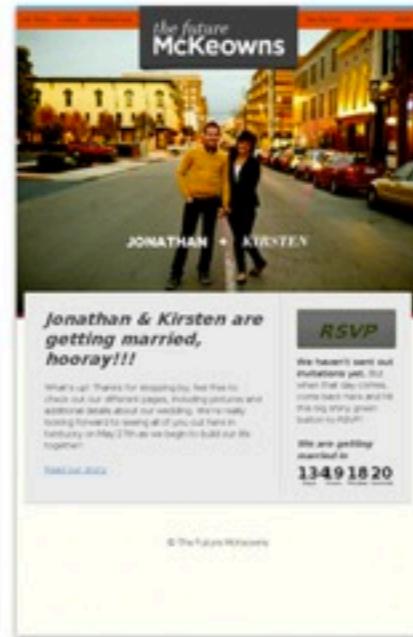
Media Queries

Beautiful, streamlined interface. Seamless invoicing.

TRACK TIME.
Invoice via your
accounting
system. So easy.

via Ad Packs

The Future McKeowns



PÁGINAS

FUTURE ★ FRIENDLY



In today's incredibly exciting yet overwhelming world
of connected digital devices, these are the truths we
hold to be self-evident:

*

Disruption will only accelerate. The quantity and diversity of connected devices—many of which we haven't imagined yet—will

PÁGINAS

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INTO THE WOODS



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www.smashingmagazine.com

www.alistapart.com

24ways.org

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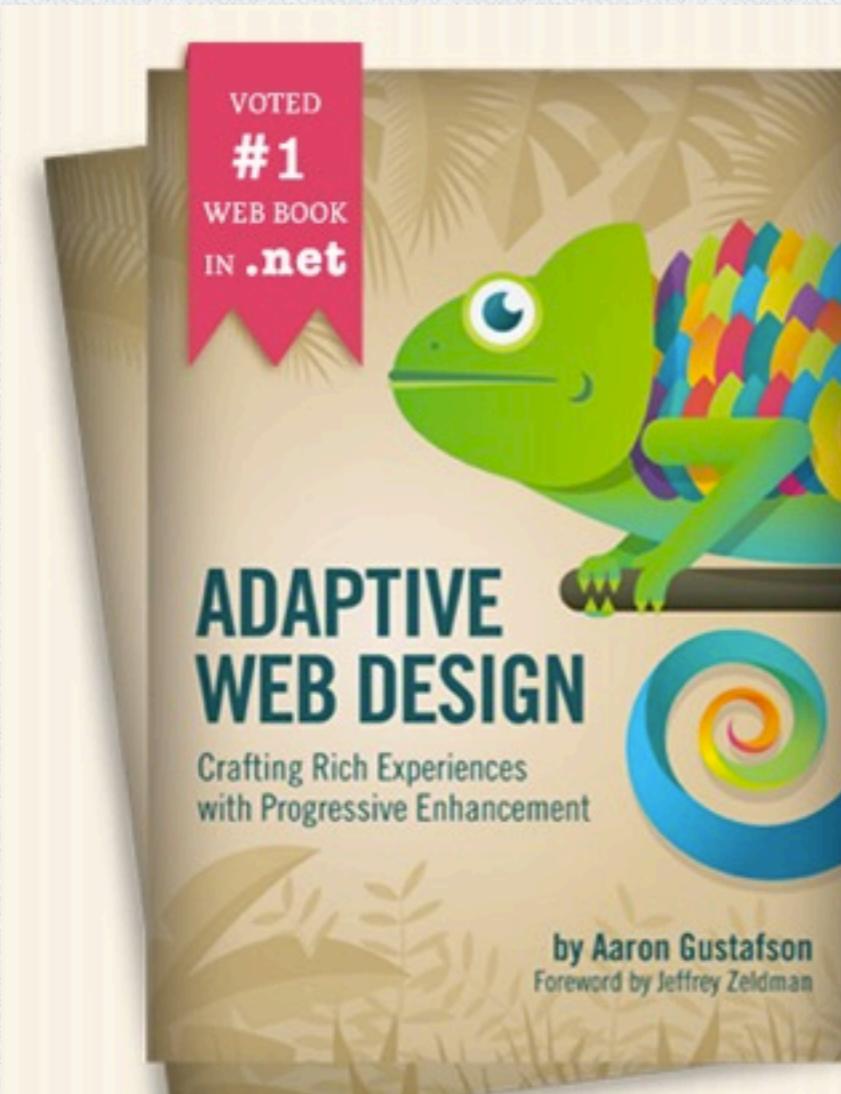


LIBROS

The collage illustrates the evolution of mobile web experiences across different platforms. It includes:

- Facebook (top right):** A screenshot showing a reduced number of navigation options on the mobile site, labeled as "Facebook's recent redesign cut down on the number of navigation options in their mobile web experience".
- YouTube (bottom right):** A screenshot of the YouTube mobile website showing a full page of navigation options accessible from the header, labeled as "YouTube's mobile web experience includes a full page of navigation options accessible from the header".
- Mobile First (left):** The front cover of the book "MOBILE FIRST" by Luke Wroblewski, published by A Book Apart.
- Mobile First (center):** A screenshot of the book's Table of Contents page, featuring a large green graphic of three nested brackets on the left.
- Mobile First (right):** A screenshot of a chapter page titled "CAPABILITIES". The page discusses mobile device constraints and capabilities, including a graph showing the exponential growth of mobile data traffic from 2000 to 2010, and a story about finding the London Underground (Tube) stations closest to the user.

LIBROS



Adaptive Web Design

Crafting Rich Experiences with
Progressive Enhancement

by **Aaron Gustafson**

Foreword by **Jeffrey Zeldman**

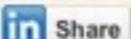
“Adaptive Web Design *not only provides the clearest, most beautiful explanation of progressive enhancement I've ever read, it's also packed full of practical know-how pumped directly into your neocortex through Aaron's warm and friendly writing style. If you aren't already using progressive enhancement to build websites, you soon will be.*

— Jeremy Keith, Author, *HTML5 for Web Designers*

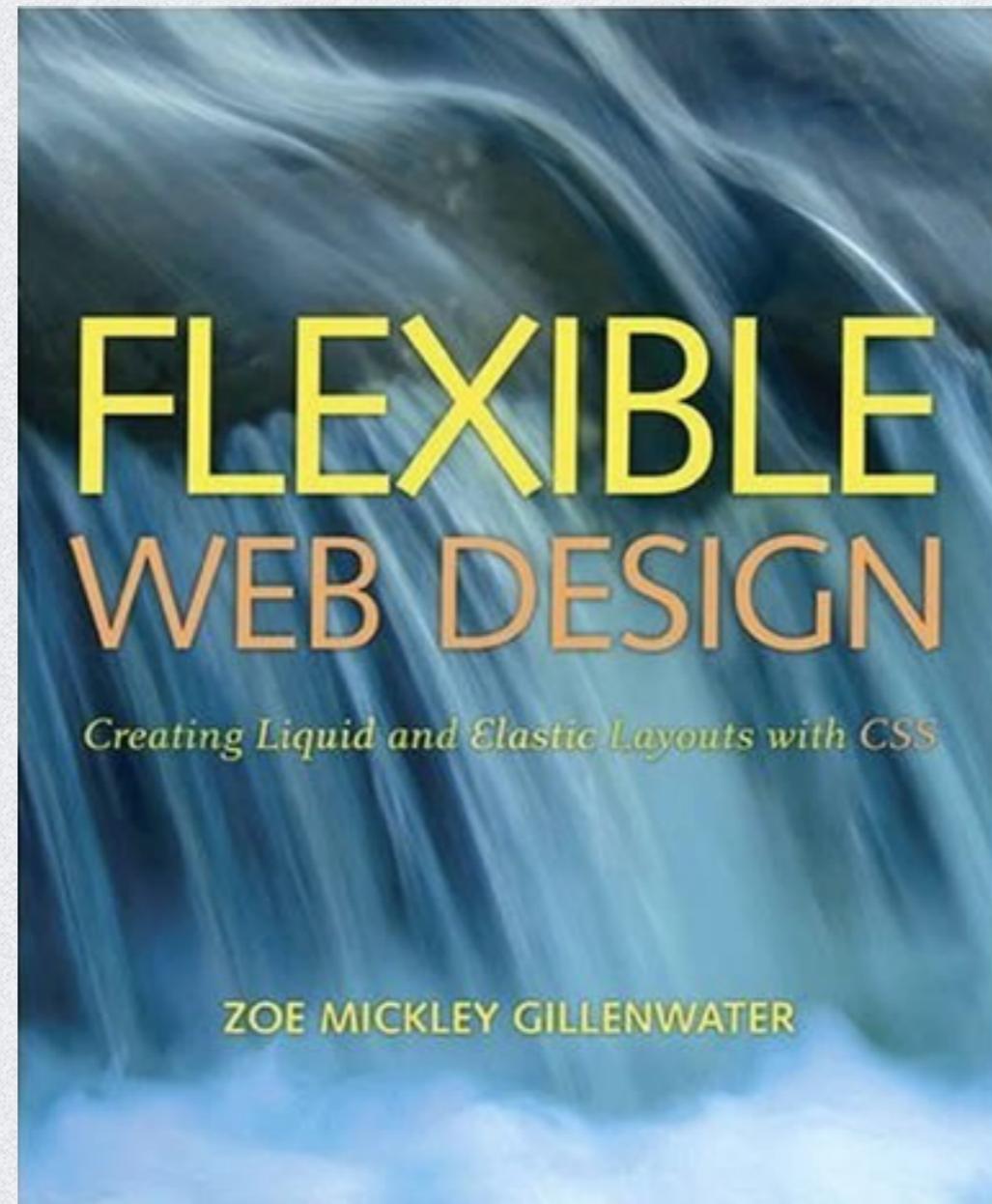
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