

DSGN-270

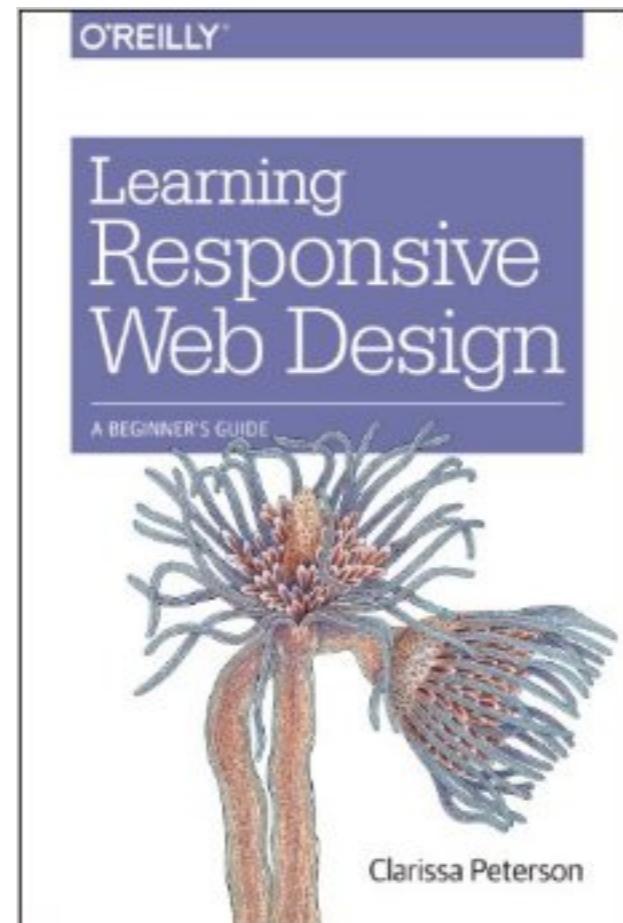
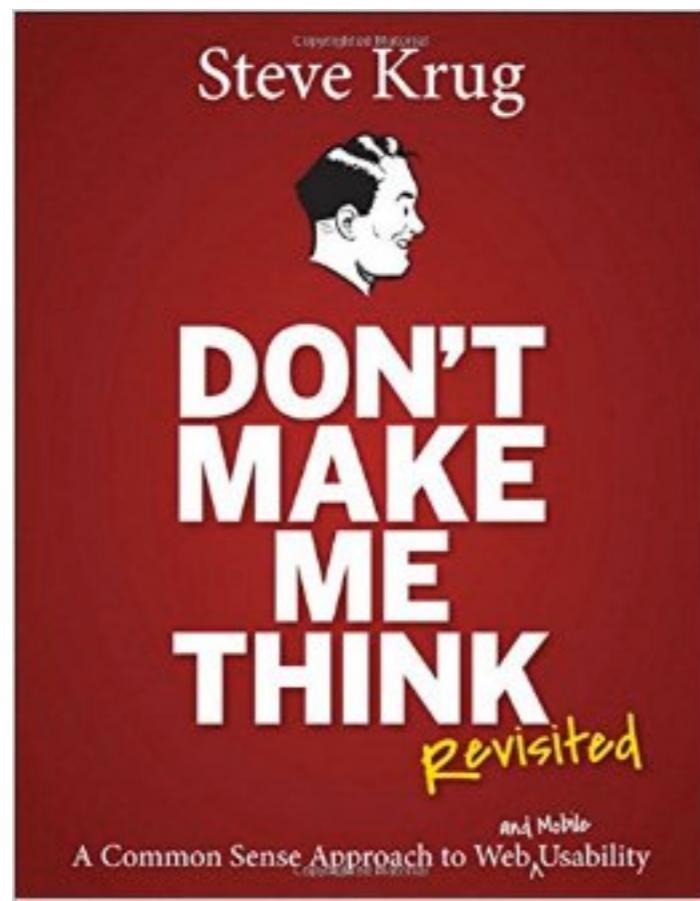
Day #1

Introductions

Class Information

Heather Tovey
heather@htovey.com

htovey.com/dsgn-270



General Schedule

- 8:00-3:00 every day
- lunch is 11:30-12:30
- 15-minute morning & afternoon
breaks

Course Overview

Over the next 4 days we'll cover:

- a brief intro to the web & responsive design
- user experience design
- accessibility
- workflow, discovery, research,
- content, copyright, information architecture
- privacy and legal issues
- wireframing & layout
- visual design: typography, color, navigation
- diversity in tech

Attendance & Participation

(Professionalism)

Course Grading

50% Social Media

50% Web Design Theory

25% Attendance & Participation

25% Website Review Assignment

50% Sitemap/Wireframes

Assignment

Tips for Learning

Keep Learning

**You Can't Know
Everything**



Laurie Voss

@seldo

Follow



If anyone ever gets access to my Google search history they'll discover that I actually don't know how to program at all.

12:23 AM - 31 Jul 2017

631 Retweets 2,216 Likes



64

631

2.2K



Resources for Learning

Google

Google CSS rounded corners Clarissa

All Videos Images Maps Shopping More ▾ Search tools

About 406,000 results (0.44 seconds)

CSS3 Borders - Rounded Corners - W3Schools
www.w3schools.com/css/css3_borders.asp ▾ W3Schools ▾
With CSS3, you can give any element "rounded corners", by using the border-radius property.
[CSS3 Border Images - Try it yourself - Exercise 2 - Border-top-left-radius](#)

Rounded Corners | CSS-Tricks
css-tricks.com › Code Snippets › CSS ▾
Nov 5, 2009 - You can use PIE.js to get rounded corners in IE Browsers. PIE currently adds full or partial support to IE 6 through 8 for the following CSS3 ...

Border-radius: create rounded corners with CSS! - CSS3 . Info
www.css3.info › CSS3 Previews ▾
The CSS3 border-radius property allows web developers to easily utilise rounder corners in their design elements, without the need for corner images or the use ...

Rounded corner generator : css3 or images & css
cssround.com/ ▾
Tool that makes cool rounded design with 2 methods. A lot of css options are customizable.

border-radius - CSS | MDN
developer.mozilla.org › ... › CSS ▾ Mozilla Developer Network ▾

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Top Questions

interesting	417	featured	hot	week	month
0	0	7	Repaint method in swing timer causing JTextField too reset constantly	modified 1 min ago	Ashwin Gupta 347
votes	answers	views	<small>java swing graphics2d repaint</small>		
0	0	3	Is there any string manipulation commands/libraries I can use in bash/fishshell?	modified 1 min ago	Freewind 45.7k
votes	answers	views	<small>string bash shell command-line fish</small>		
0	0	7	How can I avoid too much recursion error when trying to extend a javascript function?	modified 1 min ago	user234567890 123
votes	answers	views			


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<http://stackoverflow.com/>

Twitter

Home Notifications Messages

Search Twitter

Chris Karlo @ckarlo · 8h

The evolution of pattern-driven design is interesting. [@beep](http://ow.ly/XeGka) via @Medium #RWD

View summary

CallbackWomen Retweeted

Linuxfest Northwest @lfnw · 9 Dec 2015

Announcing the 2016 LFNW Call for Papers and Community Tracks! Due: Feb 10th 2016... fb.me/4eWPjUj4q

net magazine @netmag · 7h

5 ways to speed up your design with UI kits: buff.ly/1OZKipt

Nixon Desert Queen

BRAND: NIXON

Item ipsum dolor sit amet, consectetur adipiscing elit. Fusce cursus leo orci, id pharetra odio varius ac. Integer accumsan posuere erat ac porttitor.

COLORS: R: 247 G: 77 B: 37

BUY FOR \$239

Adjust Styles Layers Paths

OK Cancel Add to Swatches Color Libraries

H: 363 S: 69% B: 37% R: 247 G: 77 B: 39

L: 59 A: 96 T: 97% C: 0 M: 85% Y: 51% K: 0

f74a82

Propagate Frame 1

Lock: brand text fill stroke fill button base layer

NET

View summary

Meetups

web development x within 50 miles of Calgary, Alberta, CA Groups Calendar

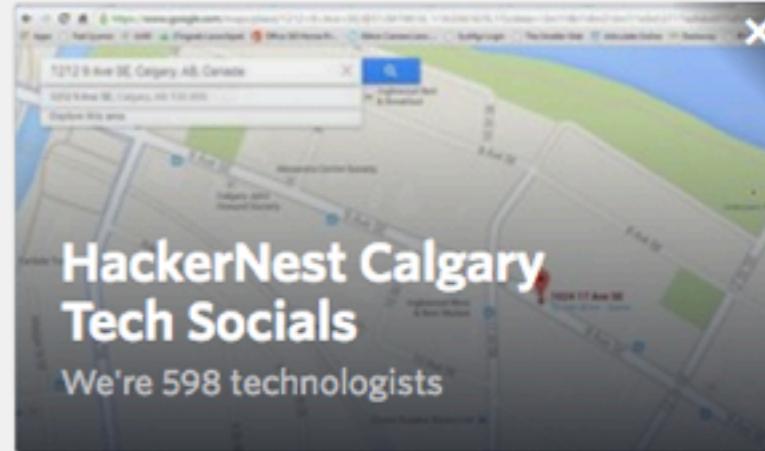
Sort by Recommended



Calgary Oracle Developers
We're 35 Oracle Developers



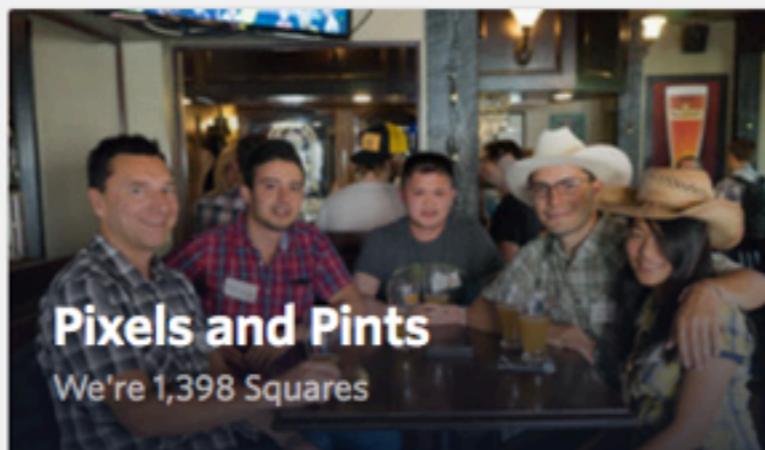
The Calgary Web Design Meetup Group
We're 185 Web Designers



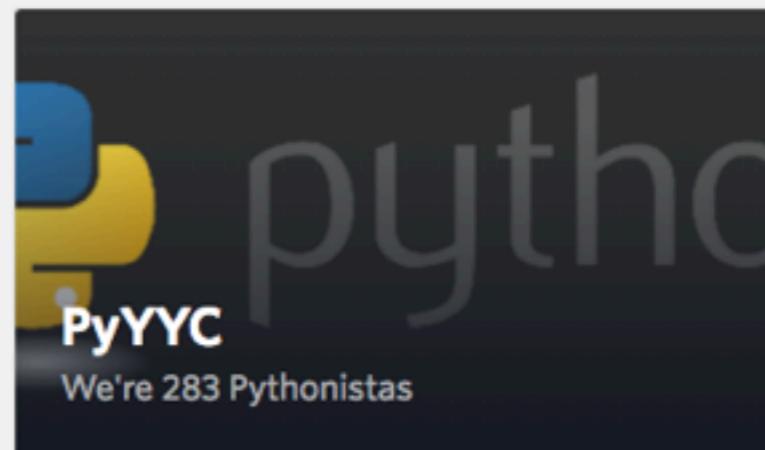
HackerNest Calgary Tech Socials
We're 598 technologists



Join us for the Accessibility Forum
Accessibility Calgary (A11yYYC)
We're 7 Accessibilityists
Three world-class experts are stopping through
Marketers & Owners
reach a massive market
save time and money. What if you could



Pixels and Pints
We're 1,398 Squares



pyyyyc
PyYYC
We're 283 Pythonistas

<http://www.meetup.com/>

Conference Talks

YouTube CA

web development conference

Upload  

Home My Channel Trending Subscriptions History Watch Later 2

Playlists I sent AJ Music Interesting Things Show more

Add channels Popular on YouTube Music Sports Gaming

Browse channels Manage subscriptions

Filters About 247,000 results

Fluent Conference 2015: The Web Platform
by O'Reilly
How Users Perceive the Speed of The Web - Paul Irish (Google) keynote 21:24
Making Badass Developers - Kathy Sierra (Serious Pony) keynote 23:04
View full playlist (27 videos)

The future of Web Design with Christopher Butler
HOW Interactive Design Conference
1 year ago • 6,004 views
It's time we reframed our entire concept of web development. First, in terms of widening the scope of what websites do today and ...

Front-End Design Conference 2013: Cameron Moll
Cameron Moll
2 years ago • 2,399 views
Selfie Q&A, for the most part. Filmed in St. Petersburg, Florida.

Web Development Conferences (Keynotes)
by Joshua Canfield
Design Patterns for JavaScript Web Apps – JavaScript Conference 2012 35:16
Prototyping Responsive HTML5 Web Apps with Matt Kelly 40:19
View full playlist (58 videos)

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Grade 3 Grade 9
Grade 4 Grade 10
Grade 5 Grade 11

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Filter Results by... Sort By: Relevance ▾ grid list print 1 - 25 of 211 items < >

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Format Books

 **Web Development With JQuery**
By York, Richard
Book - 2015
005. 2762 JAV Y All copies in use. [Availability details](#) Place a Hold

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<http://calgarylibrary.ca/>

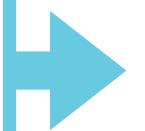
Lynda.com

(free with Calgary Library card)

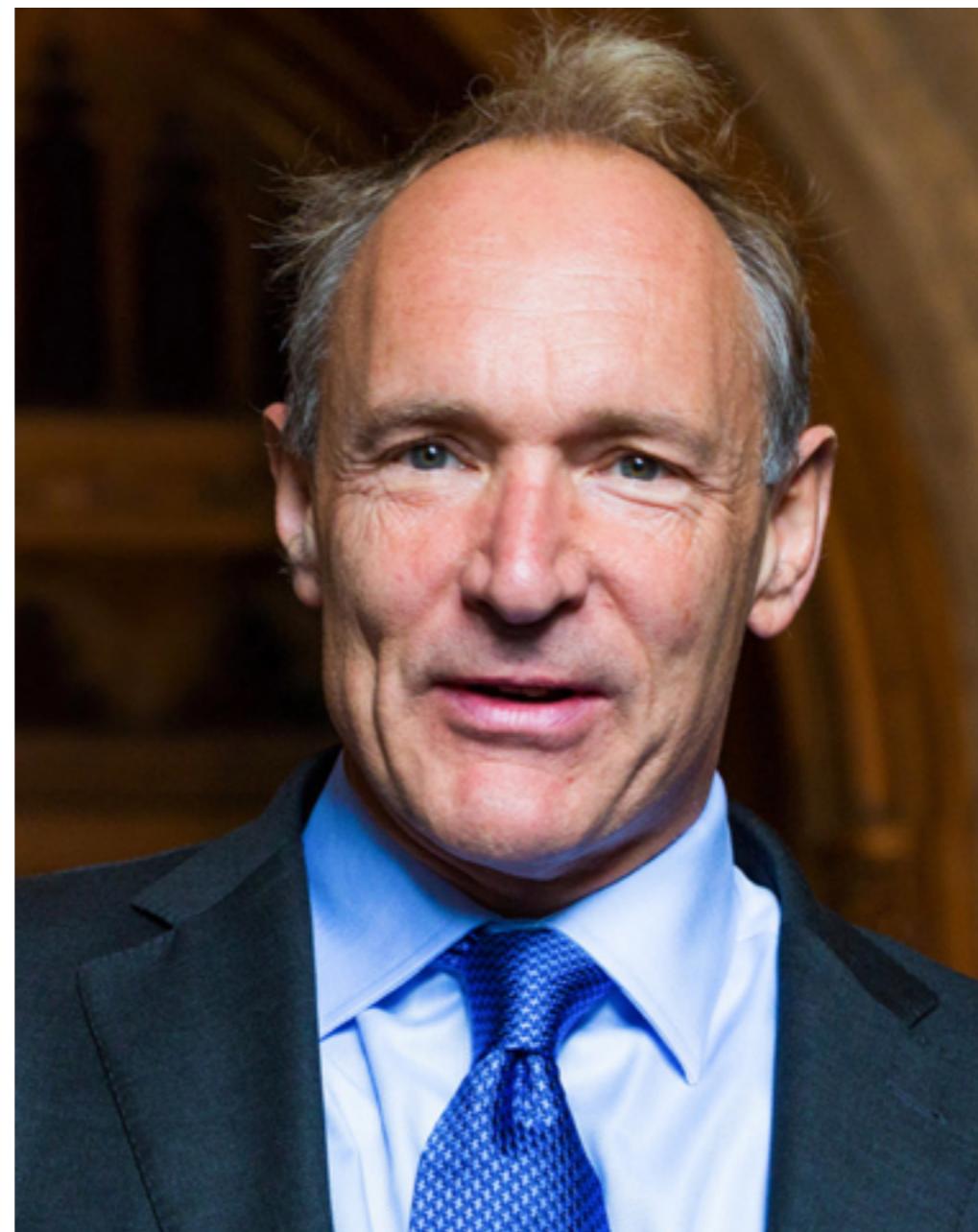
The screenshot shows the top navigation bar of the Lynda.com website. It includes the Lynda.com logo, a "LIBRARY" dropdown menu, a search bar with placeholder text "Search for the software or skills you want to learn", and a magnifying glass icon. To the right are "Sign In" and "Sign Up" buttons. Below the navigation is a secondary header with links for "Start a Free Trial" and "Reactivate". A "Solutions for:" dropdown menu lists "Business", "Higher Education", "Government", and "Buy For My Team". The main banner features a woman smiling while looking at a laptop screen, with the text "Learn a new skill online, on your time" and "6,234 courses in Business, Technology and Creative Skills taught by industry experts.". A yellow button says "Try Lynda.com free for 30 days." and another yellow button says "Start My Free Trial". Below the banner are six smaller cards representing different skill categories: "Software Development" (over 600 courses), "Design" (over 700 courses), "Business" (over 1,200 courses), "Web Development" (over 700 courses), and "Photography" (over 700 courses). Each card has a corresponding image of people working on their respective skills.

<https://calgarylibrary.ca/news/free-online-courses-with-lynda-com/>

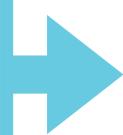
History of the World Wide Web



1989 - Tim Berners-Lee



Source: [Paul Claarke via Creative Commons](#)



1990 - First Website

World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

[What's out there?](#)

Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

[Help](#)

on the browser you are using

[Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#) , [X11 Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#))

[Technical](#)

Details of protocols, formats, program internals etc

[Bibliography](#)

Paper documentation on W3 and references.

[People](#)

A list of some people involved in the project.

[History](#)

A summary of the history of the project.

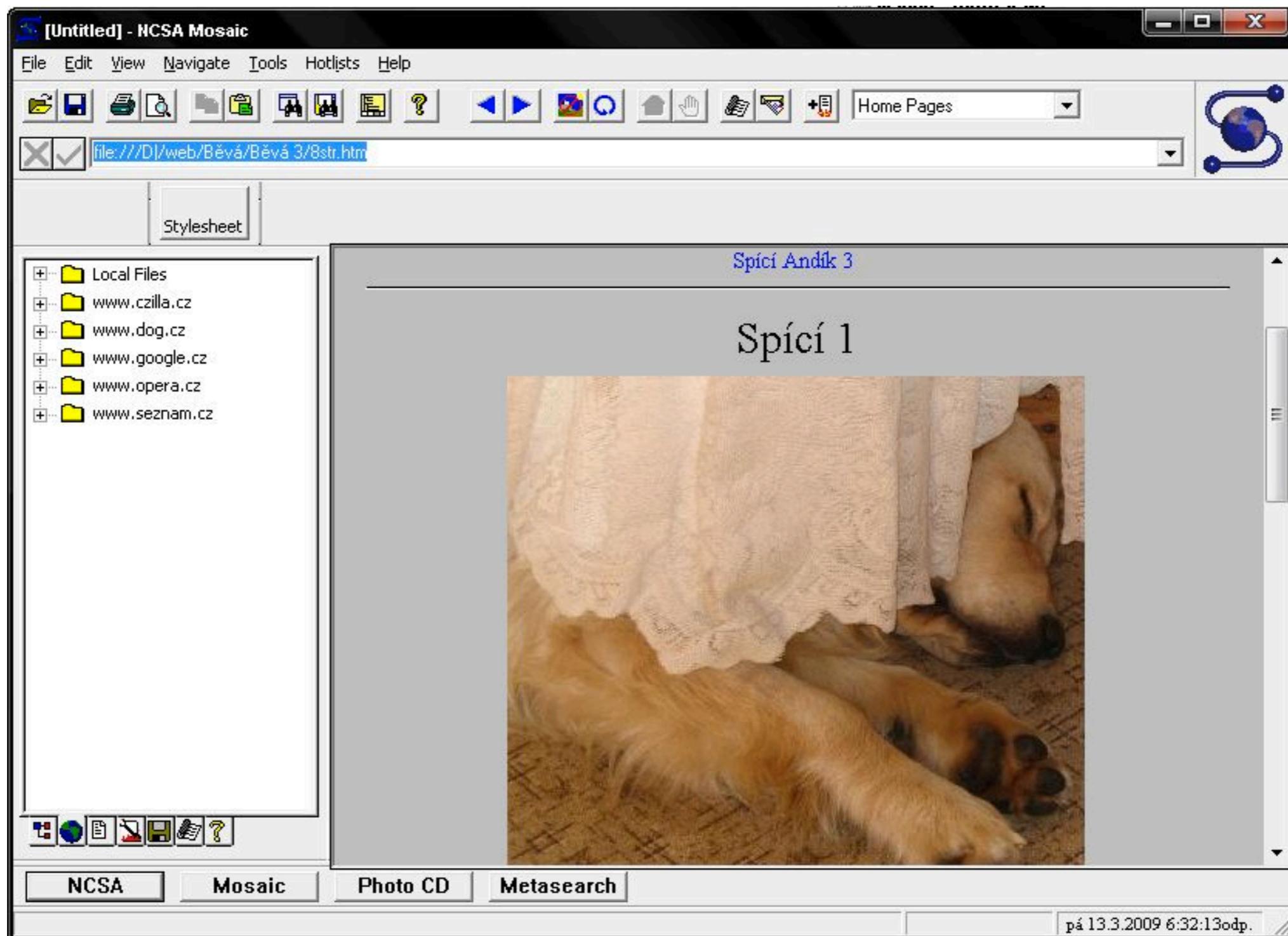
[How can I help ?](#)

If you would like to support the web..

[Getting code](#)

Getting the code by [anonymous FTP](#) , etc.

1993 - Mosaic



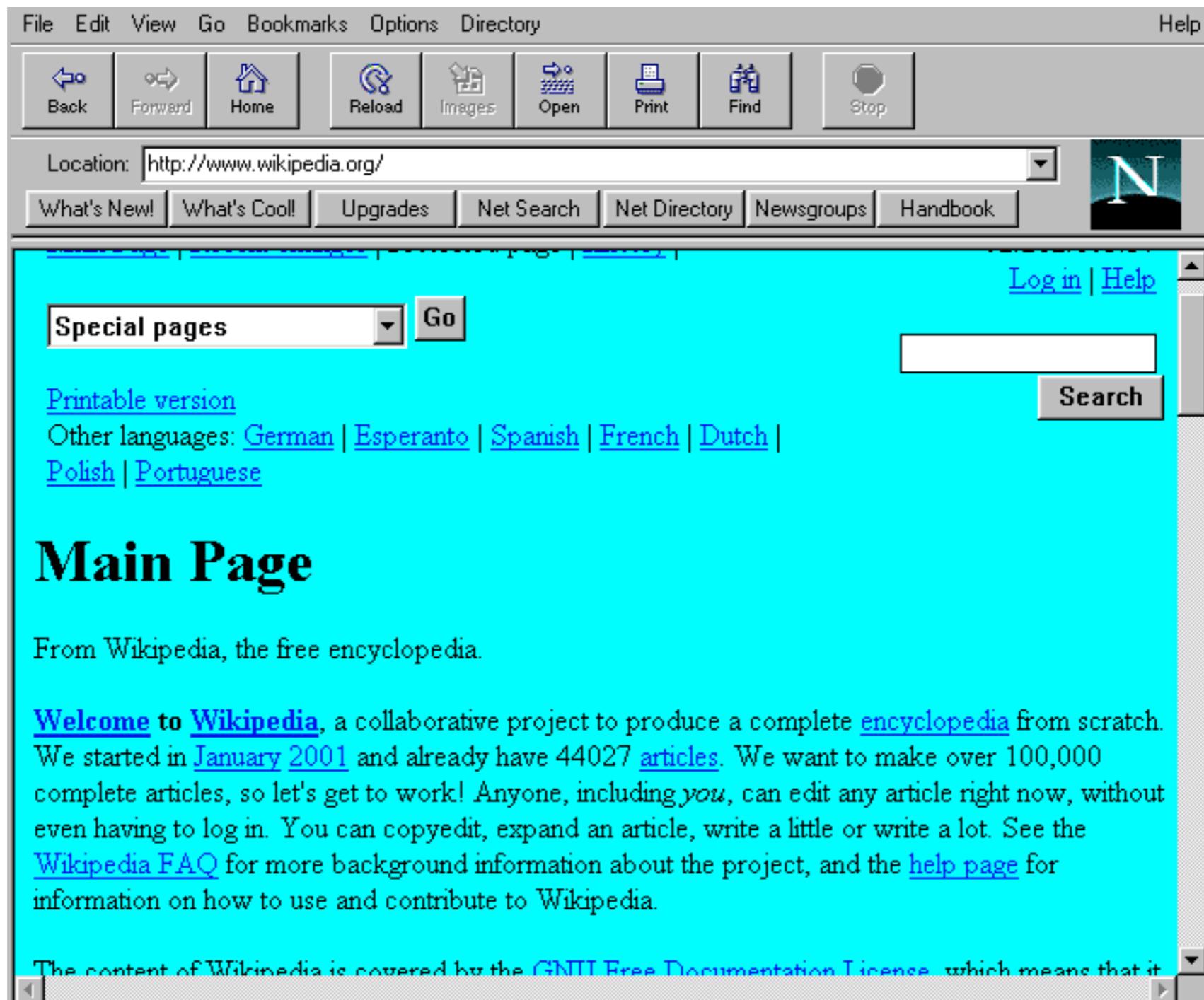
Source: [Daewoo via Creative Commons](#)

1994 - World Wide Web
Consortium (W3C)



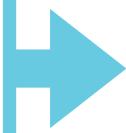
<https://www.w3.org/>

1994 - Netscape Navigator



1995 - Internet Explorer





1998 - Web Standards



2004 - Firefox



Source: [Fsf02 via Creative Commons](#)

→ Current Day - Browsers

The screenshot shows the homepage of the Federal Aviation Administration (FAA) website, www.faa.gov. The page features a blue header with the FAA logo and navigation links for FAA Home, Jobs, News, About FAA, A-Z Index, and FAA for You... (highlighted in yellow). Below the header is a search bar. The main menu includes Aircraft, Airports, Air Traffic, Data & Research, Licenses & Certificates, Regulations & Policies, and Training & Testing. A central news article discusses drone registration. To the right are sections for looking up N-numbers and checking airport status.

Federal Aviation Administration

FAA Home Jobs News About FAA A-Z Index **FAA for You...**

Search

Aircraft Airports Air Traffic Data & Research Licenses & Certificates Regulations & Policies

Training & Testing

FAA: Think Twice about "Drone Registration" Firms

November 16 - Unmanned aircraft users probably won't need help registering their drones when system is in place.

Look Up N-Numbers

N-number Go
N-number format

Check Airport Status and Delays

Airport Code Go

Airport Closures 0

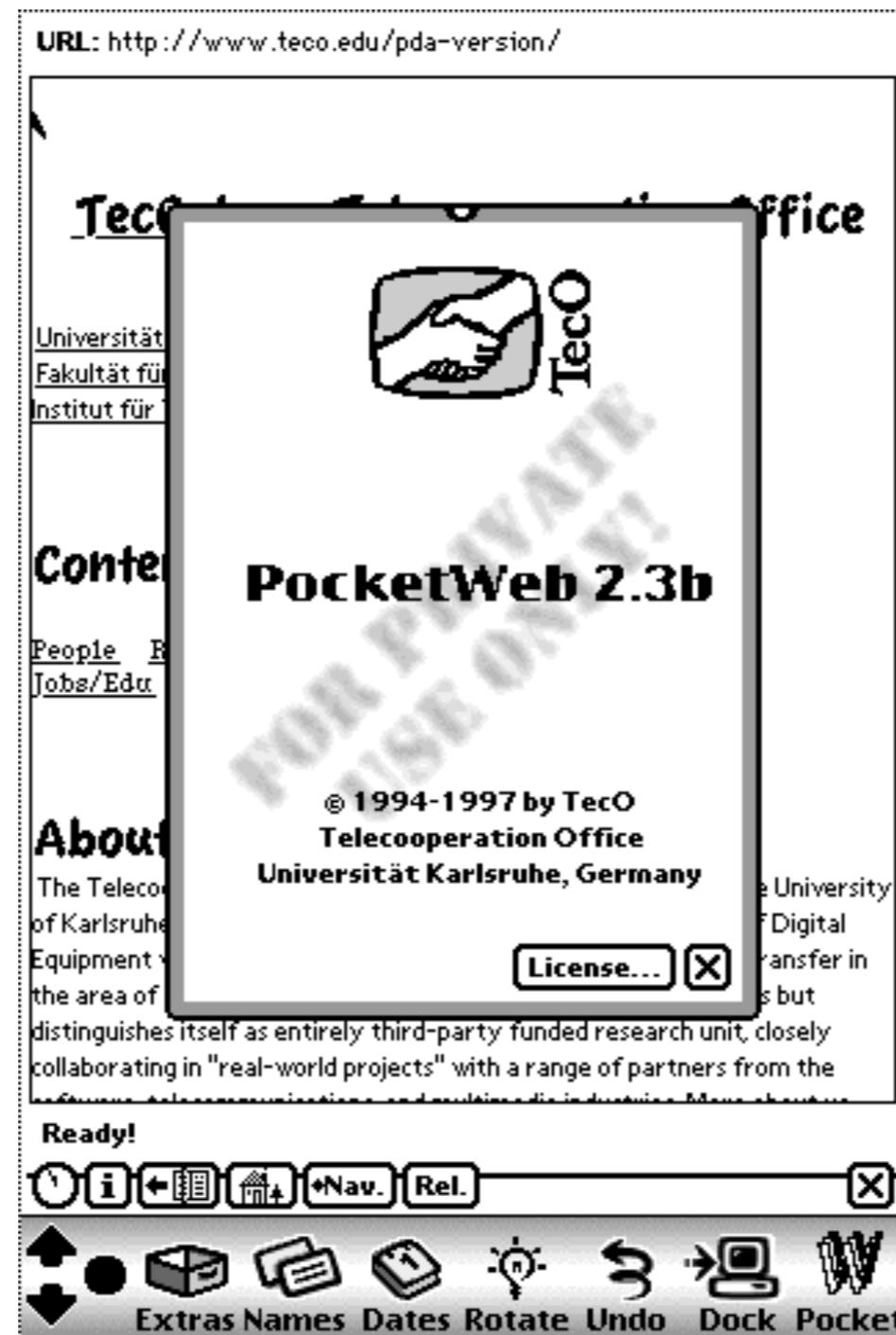
Regulations and Guidelines

- Advisory Circulars
- Orders & Notices
- Recent Rulemaking Documents

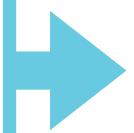
www.faa.gov

Mobile Browsers

1994 - PocketWeb



Source: Von TECO, KIT - Eigenes Werk, CC BY-SA 3.0



2007 - iPhone



Source

**How does
the internet work?**

Client-Side

- **HTML** - Structure Layer
- **CSS** - Presentation Layer
- **JavaScript** - Behaviour Layer

Server-Side

- **Programming** - C#, Visual Basic, .Net, Java, Perl, PHP, Python, Ruby, etc.
- **Database** - Apache, MySQL, Oracle

Web Developer

- Front-end Developer
 - HTML, CSS, JavaScript
- Back-end Developer
 - Programming languages
- Full Stack Developer
 - all of the above

Related Jobs You May Do

- Visual design
- User experience design
- Coding (HTML/CSS)
- Programming (PHP/Python/Ruby)
- Content Strategy
- Multimedia
- Project Management
- Social Media

What is Design?

“Design is not just what it looks like and feels like. **Design is how it works.**”

Steve Jobs

**Design Solves
Problems**



Credit: [Warren Layton via Creative Commons](#)



Credit: [Cindy Funk vis Creative Commons](#)



Photo credit: Design Matters



Photo credit: Gabriele Diamanti

Design Disciplines

- Applied arts
- Architecture
- Automotive design
- Biological design
- Communication design
- Configuration design
- Design management
- Engineering design
- Experience design
- Fashion design
- Game design
- Graphic design
- Information architecture
- Information design
- Industrial design
- Instructional design
- Interaction design
- Interior design
- Landscape architecture
- Lighting design
- Modular design
- Motion graphic design
- Organization design
- Product design
- Process design
- Service design
- Software design
- Sound design
- Spatial design
- Strategic design
- Systems architecture
- Systems design
- Systems modeling
- Urban design
- User experience design
- Visual design
- Web design

Source: <https://en.wikipedia.org/wiki/Design>

Learn From Other Designs

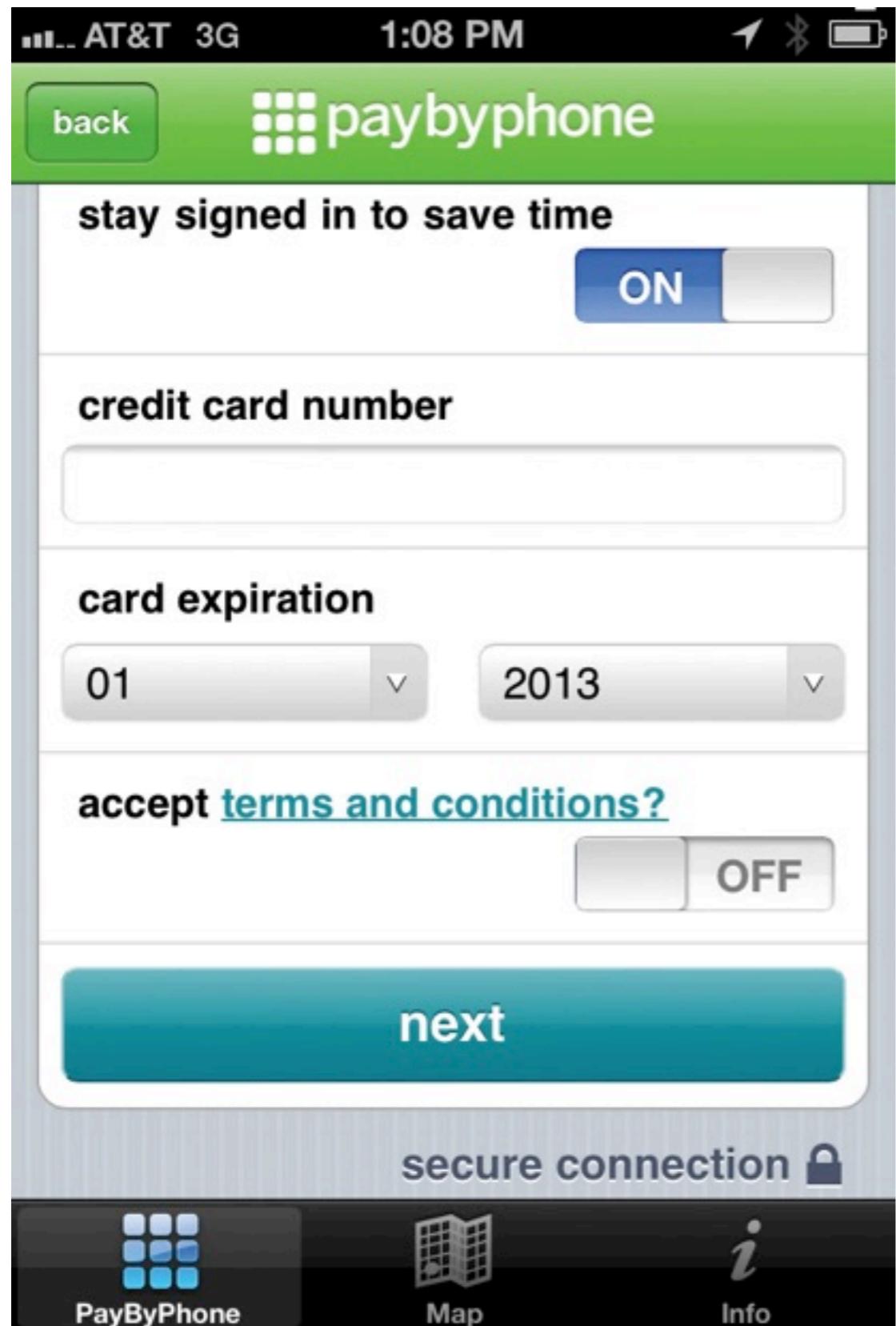
- When you find website designs you like, save them for future inspiration
- Take screenshots or bookmark them
- Don't just focus on visual design, but how the websites solves problems

Activity: Design

- Visit a few different websites.
- What problem are they trying to solve overall?
- How do they approach solving that problem?
- Look at different parts of the site and look at what works well and what doesn't work well.

User Experience Design (UX)

User Interface (UI)



Credit: [Rosenfeld Media](#) (Creative Commons) from *The User Experience Team of One*

Usability

“A person of average (or even below average) ability and experience can figure out how to use the thing to accomplish something without it being more trouble than it’s worth.”

- Steve Krug, *Don’t Make Me Think*

OK. This looks like the product categories...



Laptops,
Memory...
There it is:
Monitors.
Click



The screenshot shows the TigerDirect.com homepage. At the top, there are links for 'Find Store', 'Local Ad', 'Daily Deal', 'For Business', 'My Account', 'Track Order', 'Gift Cards', 'Catalog', 'Help', and a 'Hello' sign-in link. A search bar is present with a 'Go' button. The main navigation menu includes 'Shop All Products', 'Deals & Gifts', 'Services', 'Sign Up Today', and a 'Red Zone Clearance! Save Up To 50%' banner. The 'Computers' category is expanded, showing sub-categories like 'All-in-One Computers', 'Barebone Kits', 'Chrombooks', 'Desktops', 'Gaming PCs', 'Laptops / Notebooks', 'Servers', 'Tablets & eReaders', 'Ultrabooks™', and 'Workstations'. Below this is the 'Accessories' section with sub-categories such as 'Bags & Cases', 'Computer Accessories', 'Computer Speakers', 'Keyboards & Mice', 'Monitors', 'Monitor Accessories', 'Networking', 'Ink & Toner', 'Projectors & Screens', 'Printers, Scanners & Fax', 'Wireless Networking', 'Tablets & eReaders', 'Ultrabooks™', 'Workstations', 'Barebone Kits', 'Chrombooks', 'Desktops', 'Gaming PCs', 'Laptops / Notebooks', 'Servers', 'Tablets & eReaders', 'Ultrabooks™', and 'Workstations'. The central content area features a grid of products under the heading 'Shop Computer Deals', including 'All-in-One Computers', 'Barebone Kits', 'Desktops', 'Gaming PCs', 'Laptops / Notebooks', 'Servers', 'Tablets / E-readers', and 'Ultrabooks™'. Below this is another grid under the heading 'Accessories', featuring 'Bags & Cases', 'Accessories', 'Computer Speakers', 'Keyboard & Mice', 'Monitors', 'Monitor Accessories', 'Networking', 'Ink & Toner', 'Projectors & Screens', 'Printers & Fax', 'Scanner', and 'Wireless Networking'. At the bottom of the page is a promotional banner for 'SEE THE VIDEO AND GET YOUR FREE TRIAL BLADE.' from UPBLADE by LENOX, along with links to 'Company Info', 'Security & Privacy', 'Services & Support', 'Shipping & Returns', and 'Email Deal Alerts'.



...and these
are today's
special deals.

Credit: Steve Krug, *Don't Make Me Think*

Hmm. Pretty busy. Where should I start?

Hmm. Why did they call it that?

Can I click on that?



Is that the navigation? Or is that it over there?

Why did they put that there?

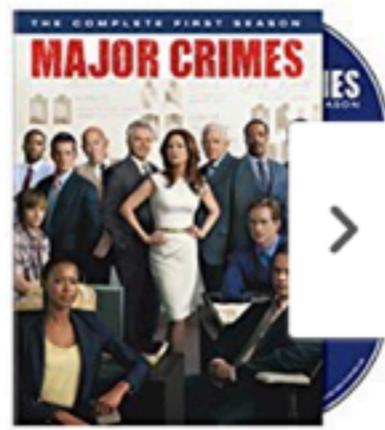
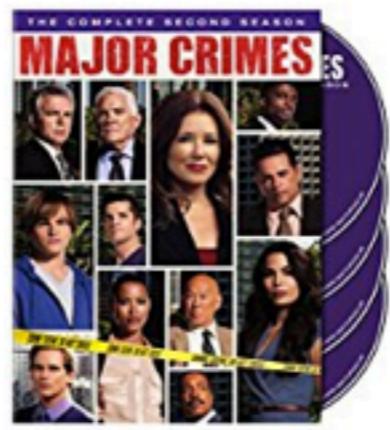
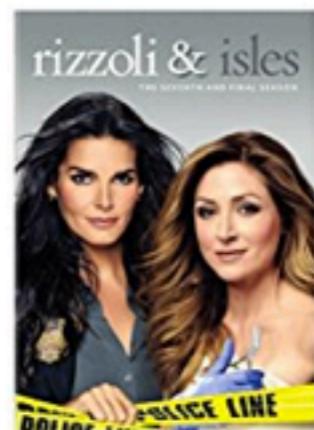
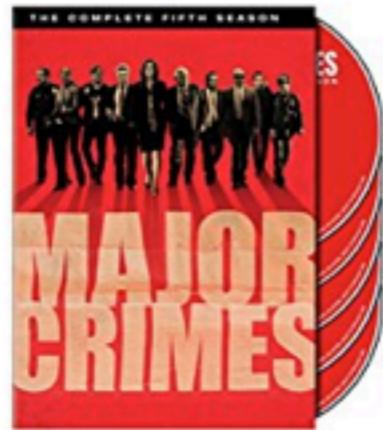
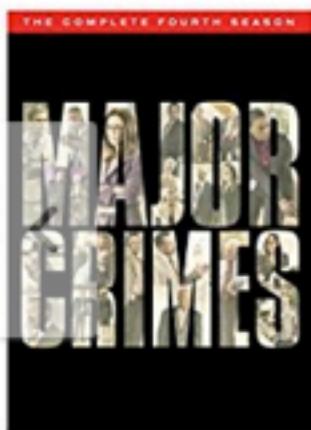
Those two links seem like they're the same thing. Are they really?

Credit: Steve Krug, *Don't Make Me Think*

Convention



Related to items you've viewed [See more](#)



Ad feedback

Inspired by your shopping trends



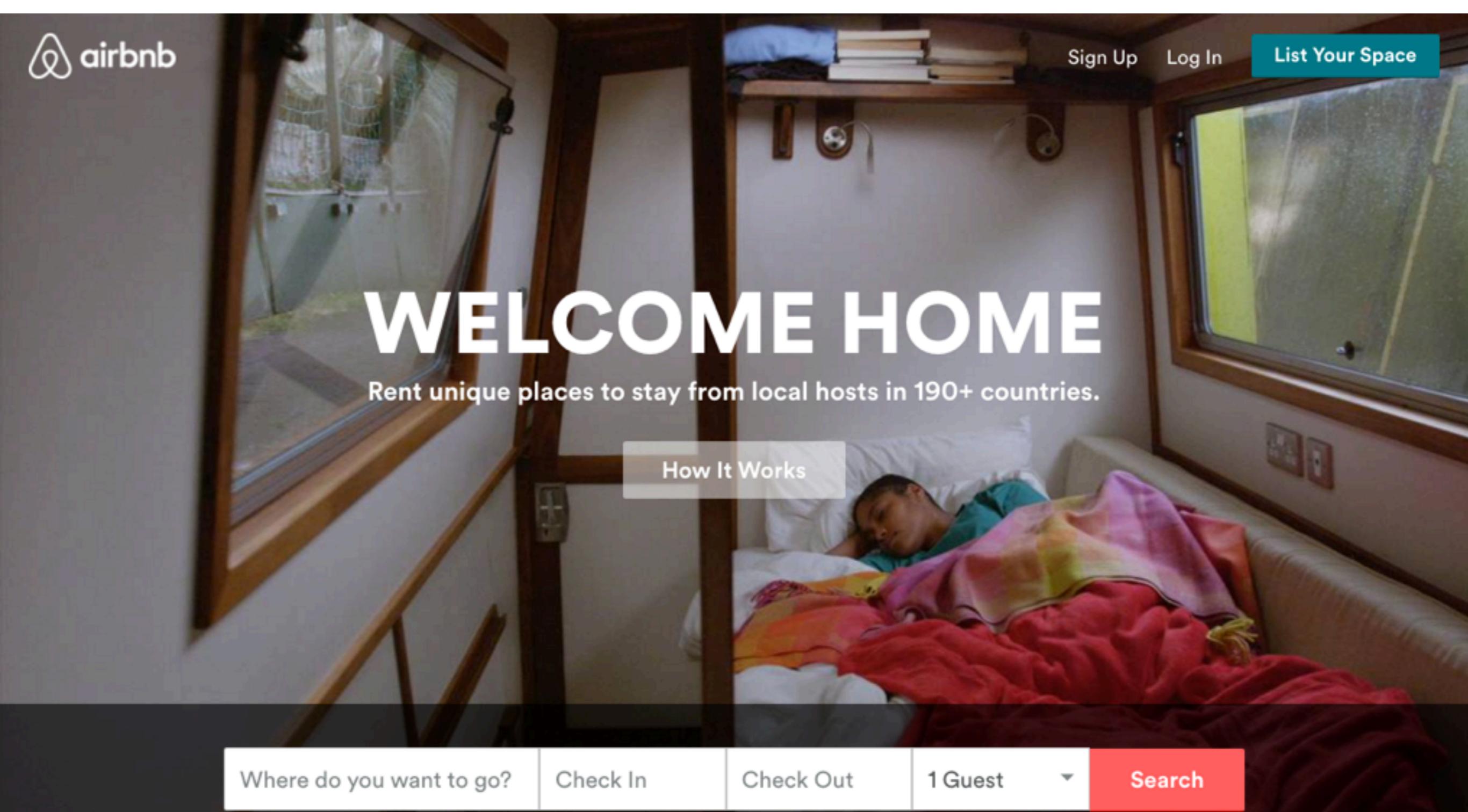
Off to University



[Trickyboy via Creative Commons](#)

Links

What is this site for?



The image shows the homepage of the Airbnb website. The top navigation bar includes the Airbnb logo, Sign Up, Log In, and List Your Space buttons. The main visual is a photograph of the interior of a train carriage, featuring a person sleeping in a bed covered with colorful, patterned blankets. Large white text "WELCOME HOME" is overlaid on the image, followed by the subtitle "Rent unique places to stay from local hosts in 190+ countries." Below the image is a search bar with fields for "Where do you want to go?", "Check In", "Check Out", "1 Guest", and a red "Search" button.

airbnb

Sign Up Log In List Your Space

WELCOME HOME

Rent unique places to stay from local hosts in 190+ countries.

How It Works

Where do you want to go? Check In Check Out 1 Guest Search

[My Account](#)  0 Items



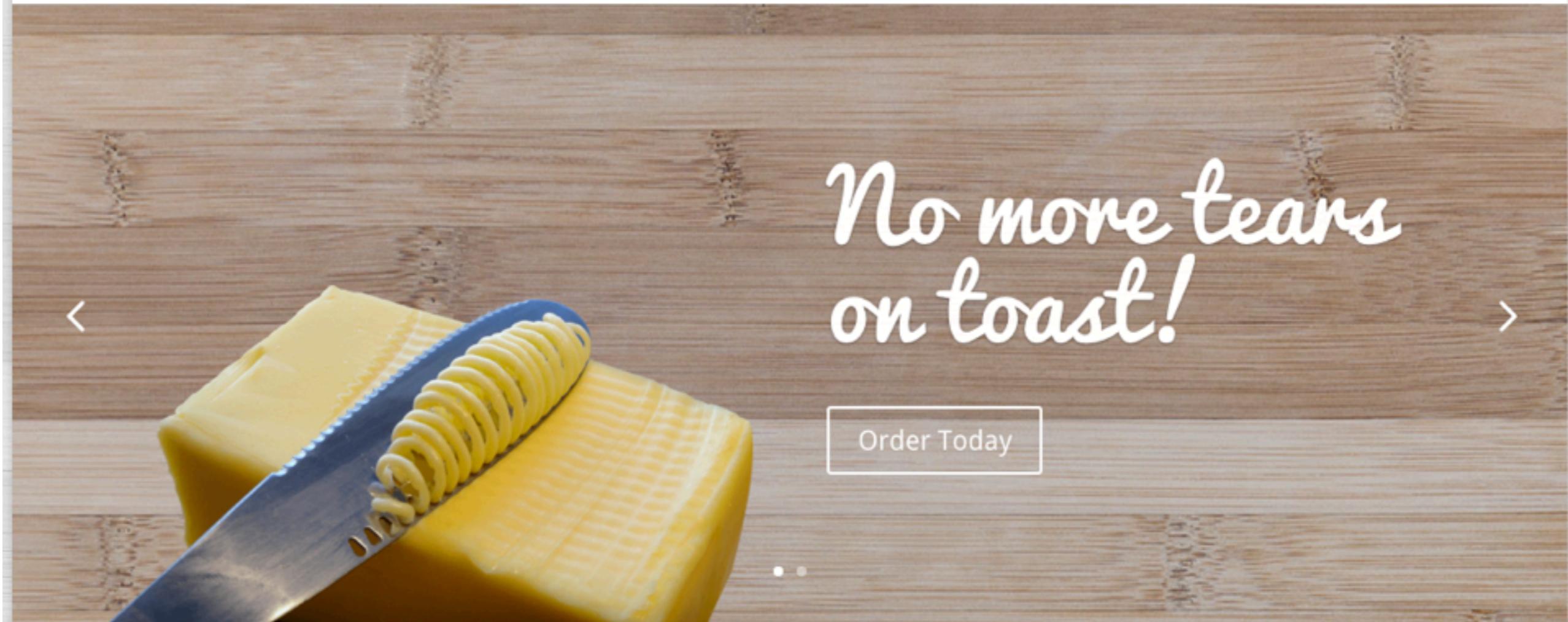
[Home](#) [Our Story](#) [News](#) [Contact](#)

[Buy Now](#)

 See it to Believe it

No more tears
on toast!

[Order Today](#)



Accessibility

“Like usability, accessibility is a quality—in this case, it means how easily and effectively a product or service can be accessed and used.”

- A Web for Everyone

Types of Disabilities

“Universal design is the design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design.”

- Ron Mace

Google

Get directions My places Print Go

Driving directions to Provincetown, MA

Boston, MA

A

1. Head southwest on Tremont St toward School St
2. Take the 1st left onto School St
3. Turn left onto Washington St
4. Turn right onto Water St
5. Take the 2nd right onto Congress St
6. Turn right onto Purchase St
7. Take the I-93 S ramp on the left to I-90 W/ Quincy/Worcester
8. Slight left onto I-93 S
9. Take exit 7 on the left toward Cape Cod
10. Merge onto MA-3 S
11. Continue onto U.S. 44 E
12. Continue onto MA-3 S
13. Continue onto US-6 E

194 ft
0.1 mi
105 ft
449 ft
0.3 mi
49 ft
0.5 mi
9.0 mi
0.8 mi
26.7 mi
0.9 mi
14.6 mi

B

Map data ©2012 Google - Edit in Google Map Maker Report a problem

Credit: [Rosenfeld Media via Creative Commons](#)



W3C Home

Web Accessibility Initiative (WAI) Home

Getting Started

Designing for Inclusion

Guidelines & Techniques

» **Web Content (WCAG)**

WCAG 2.0 technical

- [How to Meet \(Quick Reference\)](#)

- [WCAG 2.0](#)

- [Techniques](#)

- [Understanding](#)

- [Conformance Logos](#)

- [Translations](#)

WCAG 2.0 educational

- [The WCAG Documents](#)

- [WCAG at a Glance](#)

- [WCAG 2 FAQ](#)

- [Applying to Non-Web ICT](#)

Transition to 2.0

- [How 2.0 Differs from 1.0](#)

- [Comparison of 1.0 to 2.0](#)

Web Content Accessibility Guidelines (WCAG) Overview

Web Content Accessibility Guidelines (WCAG) is developed through the [W3C process](#) in cooperation with individuals and organizations around the world, with a goal of proving a single shared standard for web content accessibility that meets the needs of individuals, organizations, and governments internationally.

The WCAG documents explain how to make web content more accessible to people with disabilities. Web "content" generally refers to the information in a web page or web application, including:

- natural information such as text, images, and sounds
- code or markup that defines structure, presentation, etc.

Who WCAG is for

WCAG is primarily intended for:

- Web content developers (page authors, site designers, etc.)
- Web authoring tool developers
- Web accessibility evaluation tool developers
- Others who want or need a standard for web accessibility

Related resources are intended to meet the needs of many different people, including policy makers, managers, researchers, and others.

WCAG is a technical standard, not an introduction to accessibility. For introductory material, see [Where should I start?](#) in the

Quick links:

- [How to Meet WCAG 2.0 \(Quick Reference\)](#)
- [WCAG 2.0 Technical Standard](#)
- [WCAG 2.0 at a Glance](#)

Page Contents

- [Who WCAG is for](#)
- [What is in WCAG 2.0](#)
- [WCAG 2.0 is ISO/IEC 40500](#)
- [WCAG with other guidelines](#)
- [Who develops WCAG](#)
- [More Information](#)

WCAG 2.0 Four Principles

1. **Perceivable** - Information and user interface components must be presentable to users in ways they can perceive.
2. **Operable** - User interface components and navigation must be operable.
3. **Understandable** - Information and the operation of user interface must be understandable.
4. **Robust** - Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies.

Assistive Technology

- Screen reader
- Screen magnification software
- Text reader
- Speech input software
- Alternative input devices
 - Head pointer
 - Motion tracking/eye tracking
 - Single switch entry device

Screen Readers



Screen Reader Demo by Blind InspirationCast

Screen Reader Demo
Blind Inspirationcast - Windows Internet Explorer

http://www.blindinspirationcast.com/

File Edit View Favorites Tools Help

Search | Share More

POSTED ON SEP 16 IN DOCTOR WHO

NO COMMENTS

Subscribe

Matt Smith debuts as The Doctor! Colleen and Cheryl discuss this new doctor and how he differs from David Tennant, Regeneration jokes, the obvious and not-so-obvious changes to Season 5, the new opening credits, logo, theme, and pretty much everything, Amy, her choice of career, Rory, and much more.

What was your first reaction to the Eleventh Doctor? Were you still missing Tennant, or were you ready for a change?

Send your feedback to: blindinspirationcast@gmail.com

[Subscribe on iTunes](#)

[Subscribe with RSS and others](#)

Join the [Facebook Group](#)

A promotional image for Doctor Who featuring Matt Smith as the Eleventh Doctor and Karen Gillan as Amy Pond. They are standing in a dark, futuristic setting with glowing blue energy fields and a TARDIS in the background.

Subscribe in a reader

Subscribe by Email

Tag Cloud

Acting Appearance Bad Wolf BBC

Blind Blindness Cane Christmas

Special Companions Cone-Rod Dystrophy

Creepy Cybermen Daleks David

Tennant death Disability

Doctor Who Donna

Noble Ease of Access Elbow Harry

Start

10:40 PM
9/17/2013

7:32 / 13:15

CC HD

<https://www.youtube.com/watch?v=2PMuBQ7LyOw>

**Alt Text
(Alternate Text)**





English ▾

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Fri, Mar 14, 2014

Anytime ▾

Adults
(16-61)Seniors
(62+)Children
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(under 2)

1 ▾

0 ▾

0 ▾

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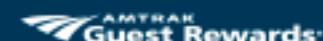
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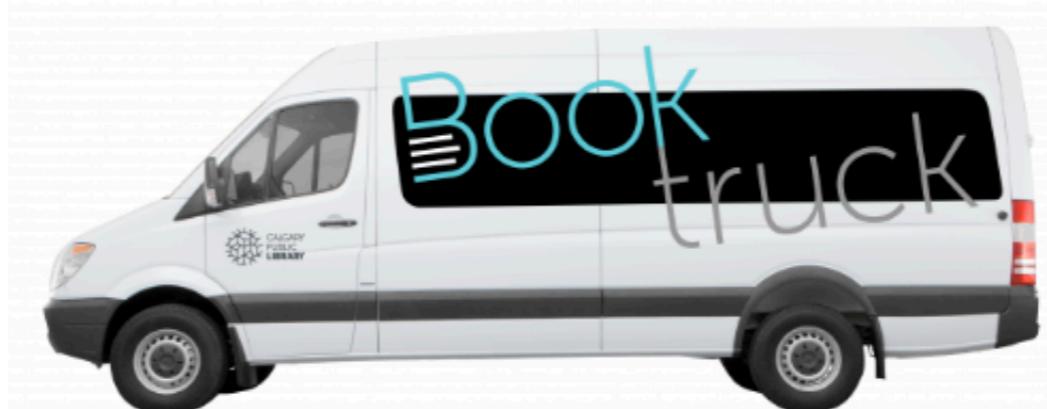
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Image GIF List Location 140 Tweet

DreamHost • @DreamHost · 9m Swing by DreamHost for an open house this Thursday during the

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Image description



Describe this photo for the visually impaired

Apply

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Alt Text Tester

offered by Chitranjan Jaiswal

★★★★★ (27)

[Developer Tools](#)

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Additional Information

Version: 1.3.2

Updated: August 4, 2016

Size: 42.03KiB

Language: English

Developer

Email: cjaiswal60@gmail.com

[Alt Text Tester](#)

Link Text

Sherbrook Street Underground Garage

- Height 6'3"

For rates, [click here](#)

Sherbrook Street Underground Garage

Entrance: 820 Sherbrook Street

- Limited space available
- Tunnel and elevator access to Children's Hospital, Thorlakson Building and Rehab/Respiratory Hospital
- Height 6'8"

For rates, [click here](#)

Rehab Underground Garage

Entrance: McDermot Avenue at Olivia Street

- Limited space available
- Connected to HSC by tunnel
- Close to Rehab/Respiratory Hospital, CancerCare Manitoba
- Height 9'5"

For rates, [click here](#)

Emily Street Parkade

Entrance: 10 Emily Street

- Connected to HSC by tunnel
- Close to 707 McDermot Avenue Entrance, Women's Hospital, Lennox Bell Lodge, John Buhler Research Centre, U of M and CancerCare Manitoba
- Height 7'

For rates, [click here](#)

Colour Blindness



Normal



Deuteranopia



Protanopia



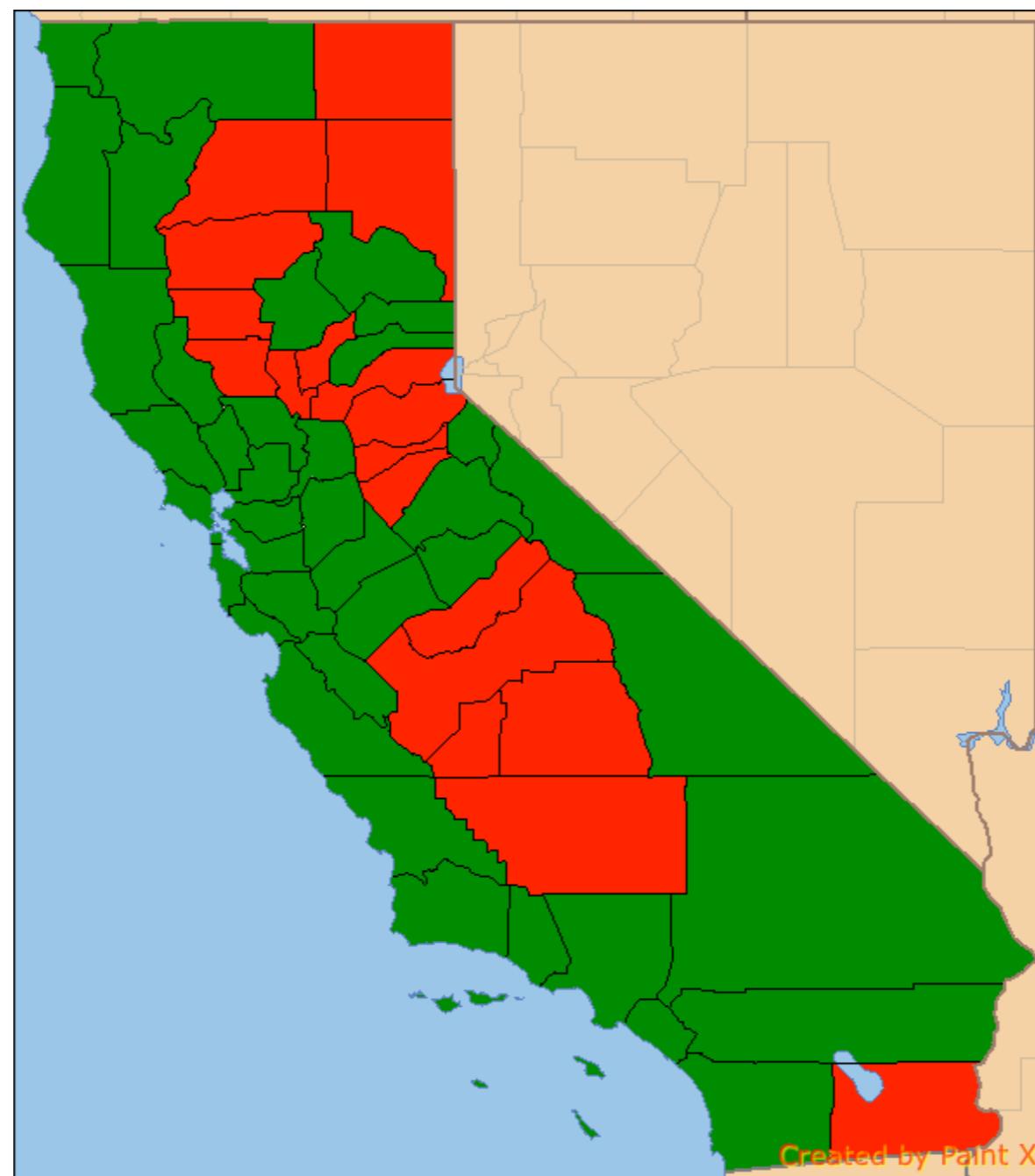
Tritanopia



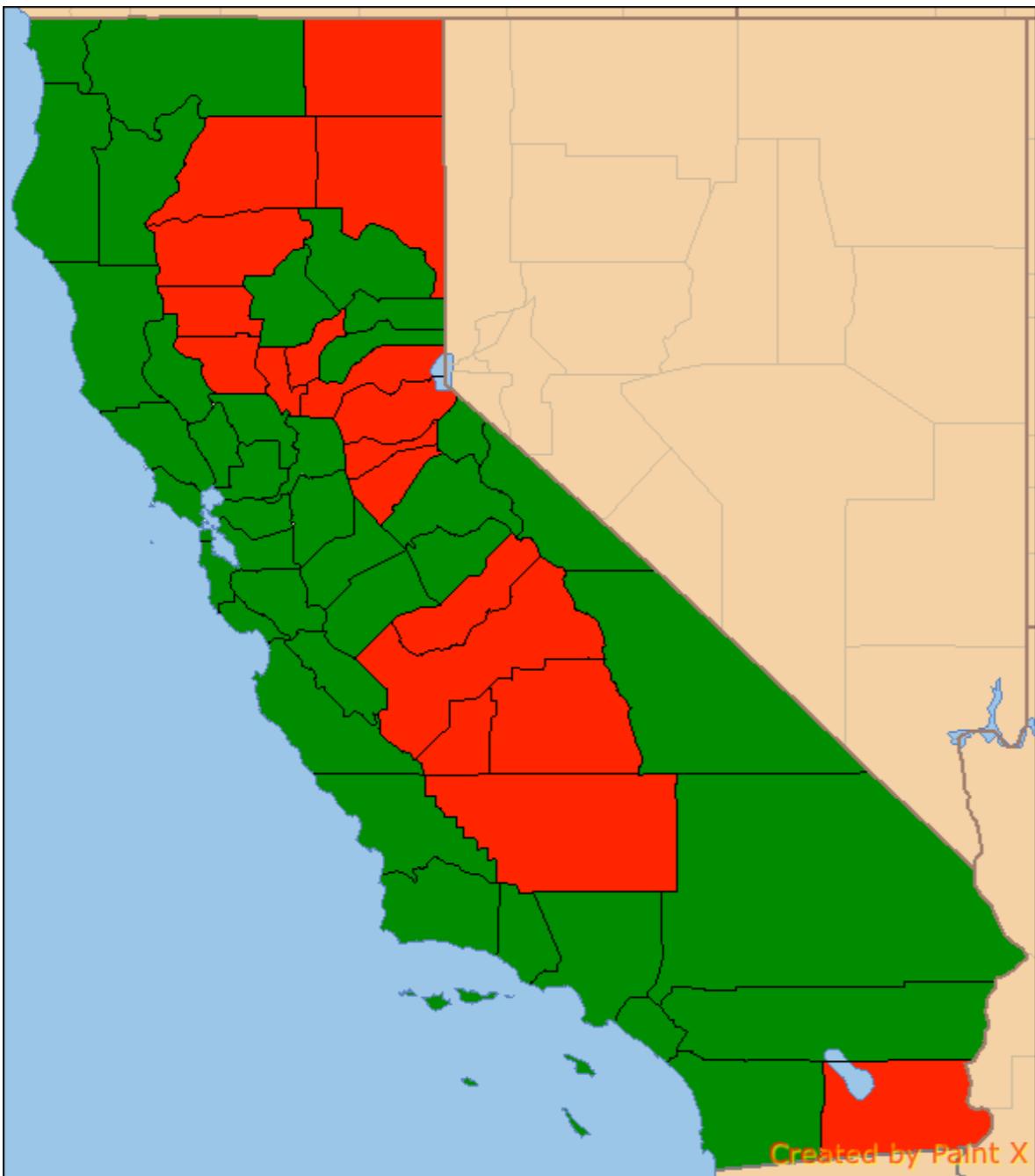




Credit: thecrazyfilmgirl <https://flic.kr/p/5X3ixX>



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Intercontinental ballistic missile - Wikipedia, ... 10:20



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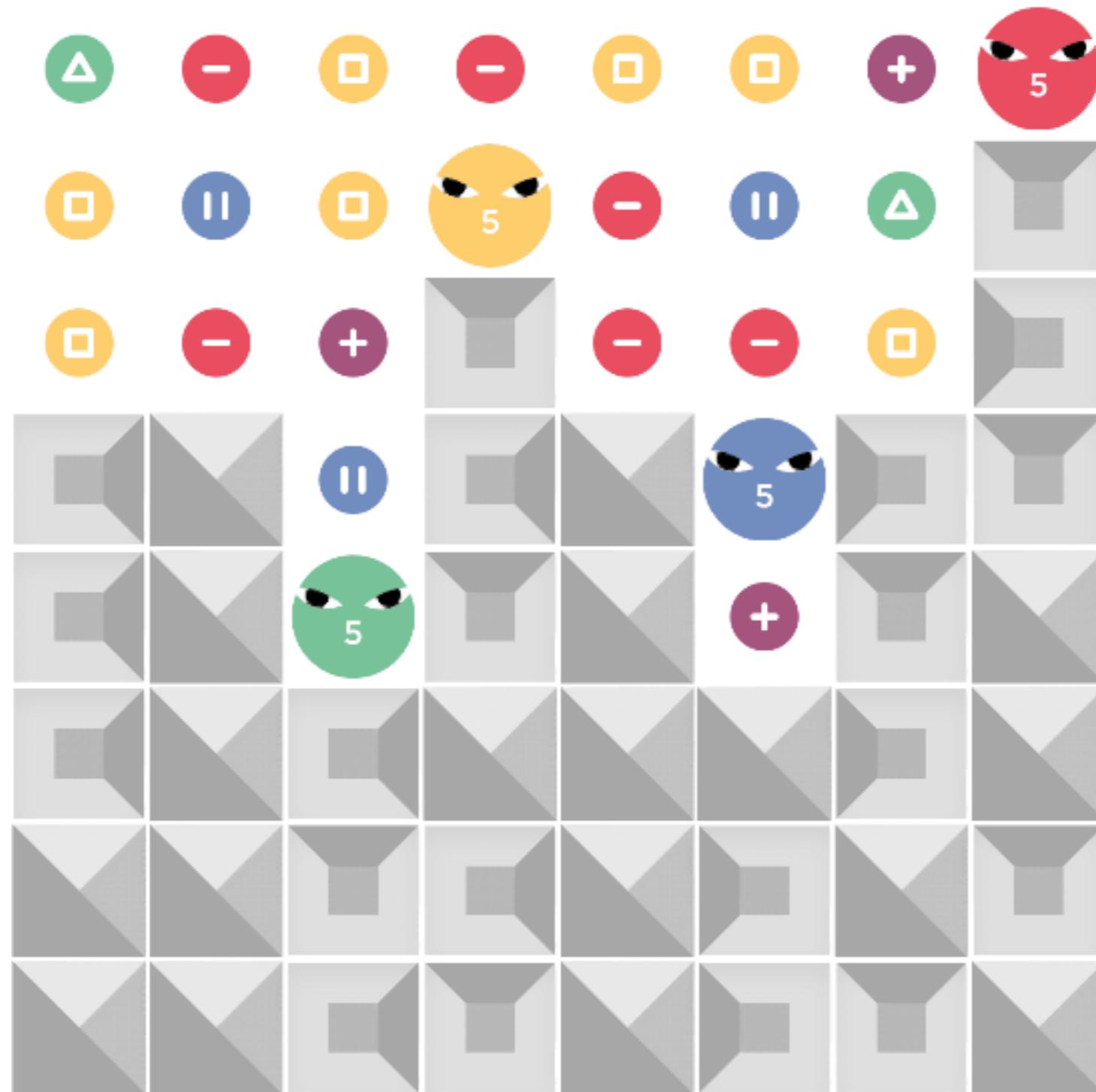
Intercontinental Ballistic Missile - Wikipedia, The Free Encyclopedia



An intercontinental ballistic missile (ICBM) is a [ballistic missile](#) with a long range (greater than 5,500 km or 3,500 miles) typically designed for [nuclear weapons delivery](#) (delivering one or more [nuclear warheads](#)). Most modern designs support [multiple independently targetable reentry vehicles](#) (MIRVs), allowing a single missile







jcpenney > back to search results



St. John's Bay® Short-Sleeve Crewneck
Tee

web ID: 8451633

SIZE OPTIONS

select a size range

MISSES PETITES

select a size

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♡ St. John's Bay® Short-Sleeve Crewneck Tee

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SAVE FOR LATER

COLOR OPTIONS

select a color:



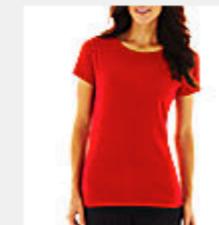
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COLOR OPTIONS

select a color:

Persian Jewel



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Like 0



Tools

 Toptal connects the top 3% of freelance designers all over the world.

Colorblind Web Page Filter

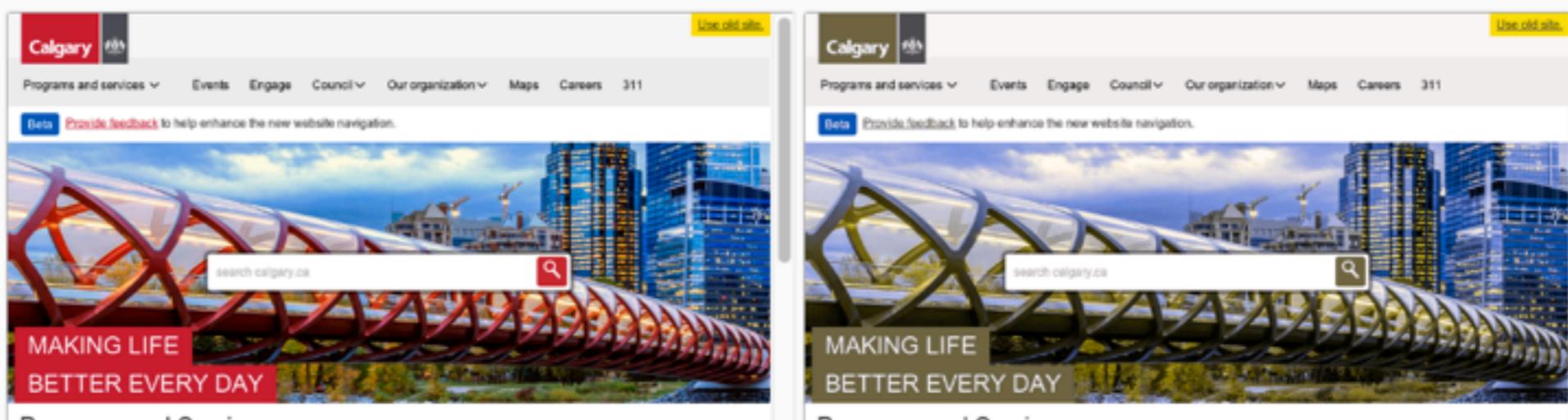
What are color blind anomalies? ⓘ

Please indicate a resource to be viewed, and a color filter to be applied to that resource.

Type a URL:
<http://www.calgary.ca/SitePages/cocis/Scripts/D>

And then pick a color filter:
Protanopia

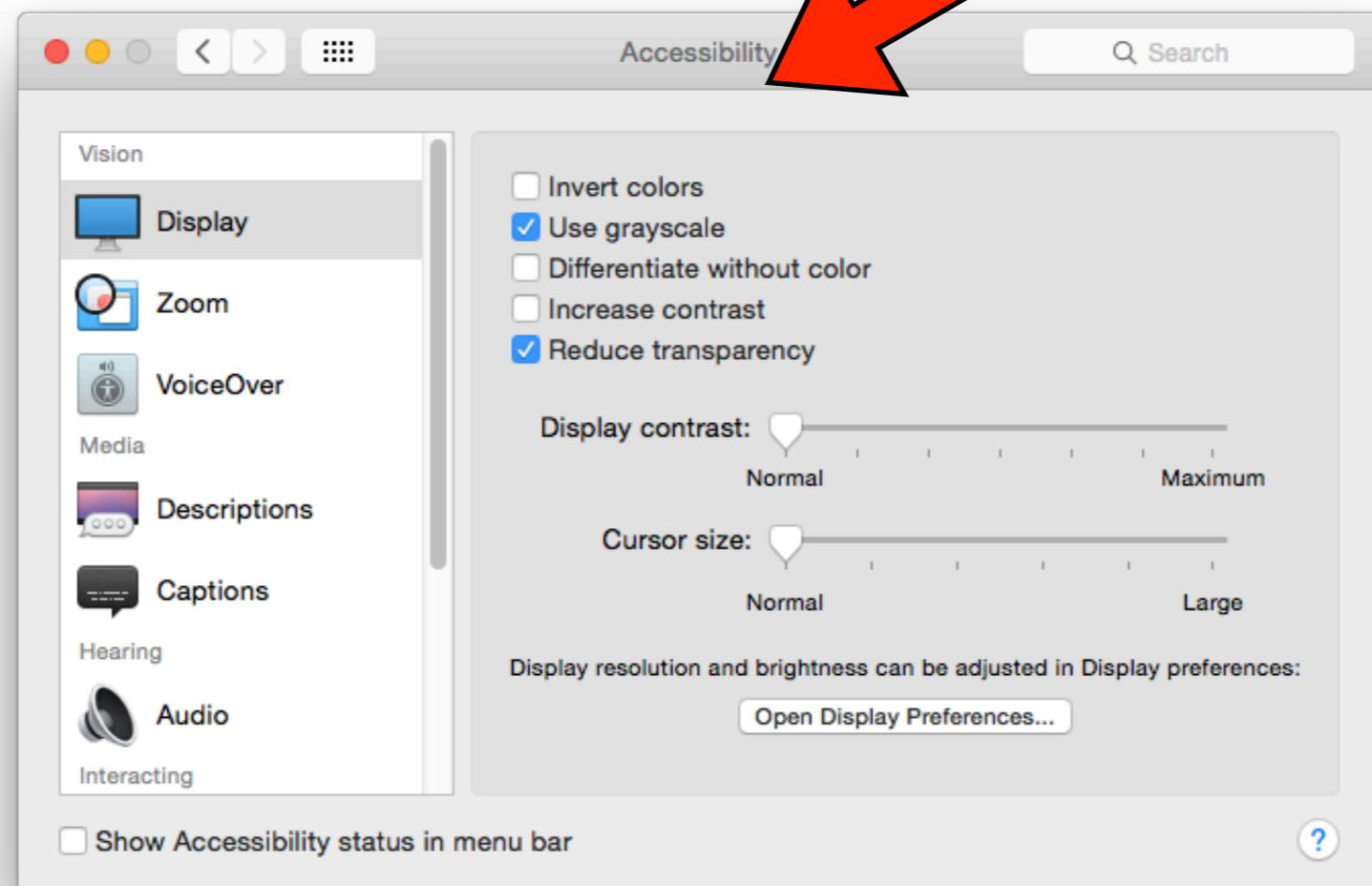
FETCH AND FILTER!

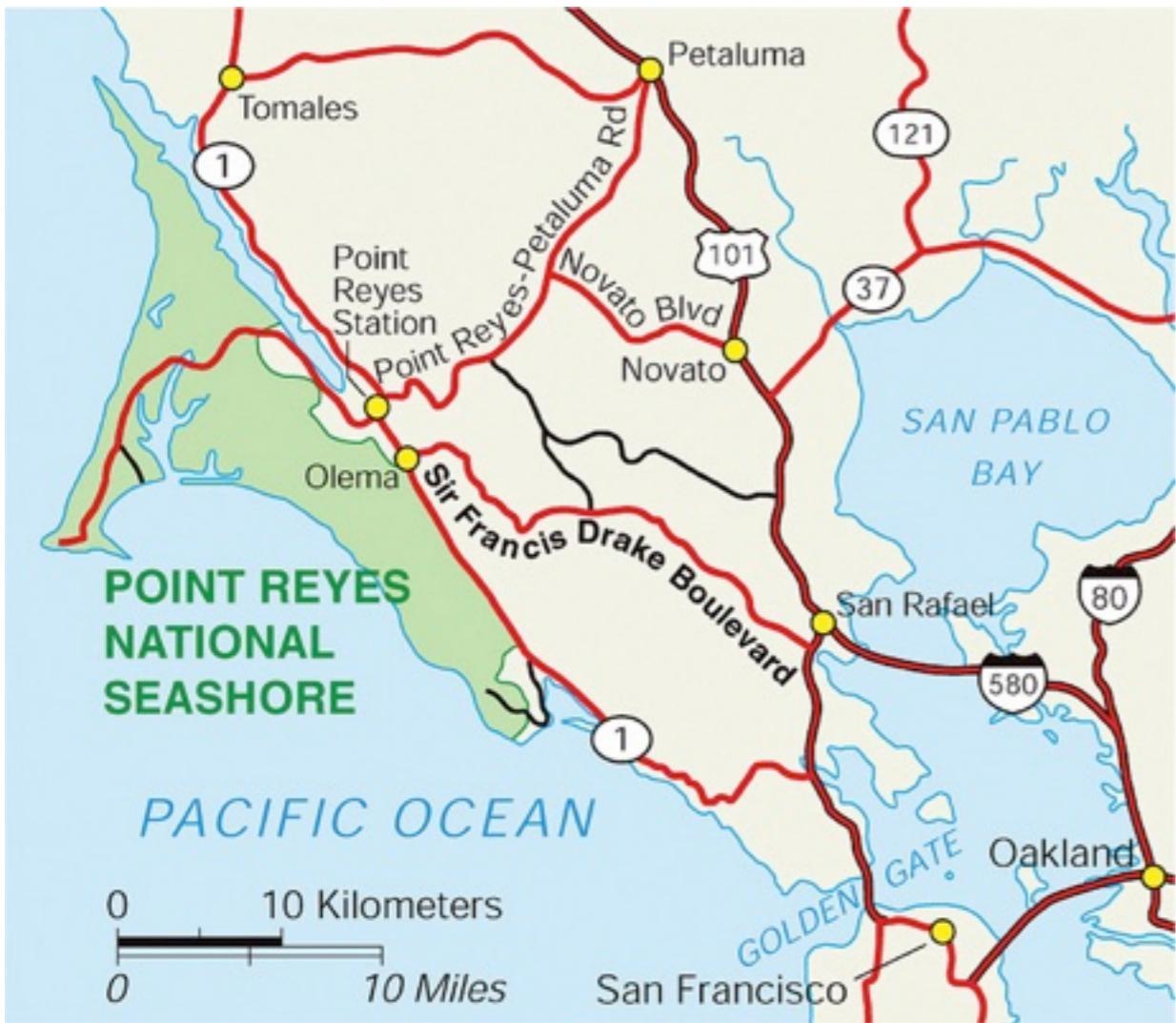


The image shows two side-by-side screenshots of the Calgary website homepage. The left screenshot shows the original site with a red header bar and a red search bar containing the text "search calgary.ca". The right screenshot shows the same site after applying the Protanopia color filter, where the red colors have been converted to shades of yellow and orange, making the red header bar and search bar appear less distinct.

<https://www.toptal.com/designers/colorfilter>

Grayscale





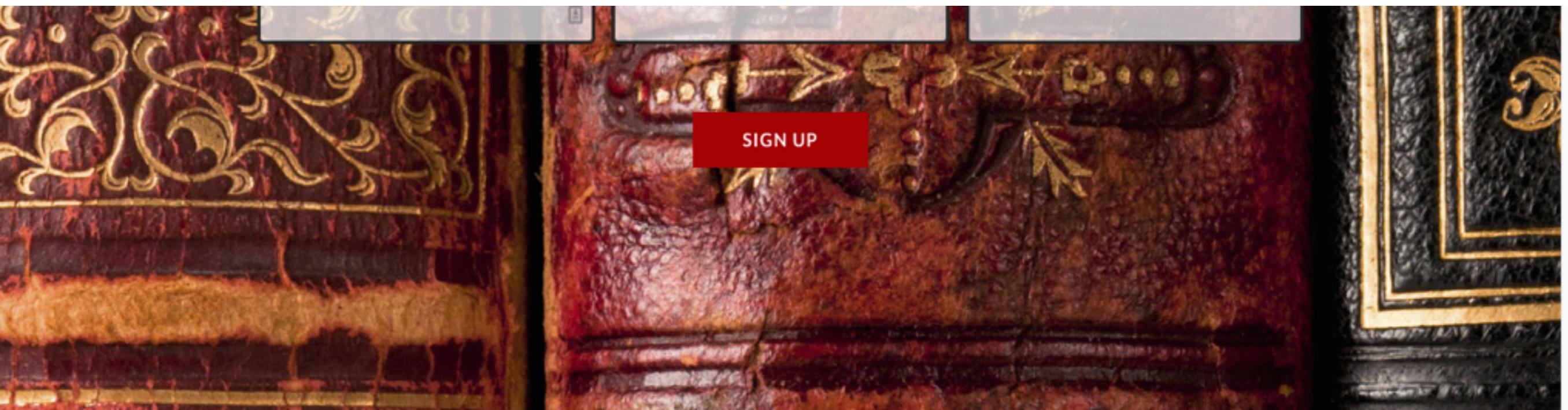
Credit: [Rosenfeld Media via Creative Commons](#)

**Contrast (Low
Visibility)**



Credit: [Yahoo! Accessibility Lab](#) / CC BY SA

Foreground & Background



Address:

The Shakespeare Company
PO Box 22401
RPO Bankers Hall
Calgary, AB - T2P 4J1

Social Media





Techniques for WCAG 2.0

[Contents](#)[Intro](#)[Previous: Technique
G17](#)[Next: Technique G19](#)

G18: Ensuring that a contrast ratio of at least 4.5:1 exists between text (and images of text) and background behind the text

Important Information about Techniques

See [Understanding Techniques for WCAG Success Criteria](#) for important information about the usage of these informative techniques and how they relate to the normative WCAG 2.0 success criteria. The Applicability section explains the scope of the technique, and the presence of techniques for a specific technology does not imply that the technology can be used in all situations to create content that meets WCAG 2.0.

On this page:
Important Information about Techniques
Applicability
Description
Examples
Resources
Related Techniques
Tests

Applicability

Any technology that produces visual output.

[This technique relates to:](#)

<https://www.w3.org/TR/WCAG20-TECHS/G18.html>

Grey Level	WCAG Ratio
#000000 (Black)	21 : 1 (pass)
#333333	12.6 : 1 (pass)
#666666	5.7 : 1 (pass)
#777777	4.5 : 1 (fail)
#7777777 (large)	OK for large text
#999999	2.8 : 1 (fail)
#CCCCCC	1.6 : 1 (fail)

Colors	WCAG Ratio
sea green on green #DDFFEE on #82C1B4	1:9:1 (fail)
sea green on darker green #DDFFEE on #32796D	4.8:1 (pass at AA)

Credit:[Accessibility and Usability at Penn State](#)

Colour Contrast Checker



The screenshot shows the 'Color Contrast Checker' page from the WebAIM Training website. At the top, there's a navigation bar with 'WebAIM Training' and several other menu items. Below the header, the main title 'Color Contrast Checker' is displayed. A breadcrumb trail shows 'Home > Resources > Color Contrast Checker'. The page features two color pickers: one for the foreground color (#3503ff) and one for the background color (#ffffff). Each picker has a 'lighten' and 'darken' button next to it. Below the pickers, the 'Contrast Ratio' is shown as '8.05:1'. To the right, there's a 'Related Resources' sidebar with links to 'Quick Reference: Testing Web Content for Accessibility', 'Constructing a POUR Website', and 'Web Accessibility for Designers'. The main content area is divided into sections for 'Normal Text' (WCAG AA: Pass, AAA: Pass, sample text 'I am normal text') and 'Large Text' (WCAG AA: Pass, AAA: Pass, sample text 'I am large text'). An 'Explanation' section at the bottom provides instructions on how to use the tool.

Color Contrast Checker

Home > Resources > Color Contrast Checker

Foreground color: #3503ff [lighten](#) | [darken](#)

Background color: #ffffff [lighten](#) | [darken](#)

Contrast Ratio: 8.05:1

Normal Text

WCAG AA: **Pass**
WCAG AAA: **Pass**
Sample: **I am normal text**

Large Text

WCAG AA: **Pass**
WCAG AAA: **Pass**
Sample: **I am large text**

Explanation

Simply select or enter a foreground and background color in RGB hexadecimal format (e.g., #fd3 or #f7da39). Select the lighten and darken options to modify the colors slightly. You can use the color picker to change colors or change luminosity.

<http://webaim.org/resources/contrastchecker/>



Credit: ClearFrost flic.kr/p/o9mSXd



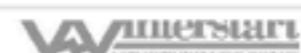
WELCOME TO THE TECH SHOP

The Tech Shop is Alberta's original running and walking store.

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[EVENTS](#)



Focus Indicators

- Links
- Buttons
- Form Fields
- Menu Items
- Anything you can hover on (like tooltips)
- Widgets

Usability & Accessibility

Video Captions

The image shows a screenshot of a YouTube video player. At the top, there's a navigation bar with a menu icon, the YouTube logo, a search bar containing the text "Search", and several icons for sharing, notifications, and user profile. The main content area features a large white title card with the text "2. KEEP HOUSE PLANTS OUT OF REACH" in bold black letters. Below the title is a photograph of a brown guinea pig sitting in a white wire cage. The cage contains a clear water bottle, a green bowl, a cardboard box filled with toys, and a tan container filled with hay. A blue and pink plastic climbing structure is also visible. In the bottom left corner of the video frame, there is a black rectangular box containing white text that reads: "this is super important because there are lots of". The video player interface at the bottom includes a progress bar showing "1:48 / 4:21", a play button, volume controls, and other standard video controls.

this is super important because there
are lots of

Accessible PDFs

“Web accessibility is ultimately about **building a better quality product** that reaches a broader audience.”

- Denis Boudreau

ADHD and learning disabilities

Accessibility Guidelines

Making work accessible creates a better experience across the board. Use this checklist to help build accessibility into your process no matter your role or stage in a project.

The Checklist

Check the boxes of the guidelines that apply to your project

Preview and copy the checklist to your clipboard

Paste the checklist into a document, Slack, Trello—or however else your team organizes projects



WAVE Evaluation Tool

offered by WebAIM

★★★★★ (47)

[Accessibility](#)

46,329 users

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52

The screenshot shows the Utah State University Homecoming 2014 website with the WAVE evaluation tool overlay. The WAVE interface on the left lists various accessibility issues found on the page, such as errors, alerts, features, and structural elements. The main content area displays the website's banner for the October 6-11, 2014, Homecoming, featuring a football field graphic and text about the 5K Parade, Ag Day BBQ, and pre-game. Below the banner are sections for About USU, Academics, Student Life, and Apply. The WAVE analysis icons are placed over these sections, indicating specific accessibility findings.



Compatible with your device

Evaluate web accessibility within the Chrome browser.

WAVE is a web accessibility evaluation tool developed by WebAIM.org. It provides visual feedback about the accessibility of your web content by injecting icons and indicators into your page. No automated tool can tell you if your page is accessible, but WAVE facilitates human evaluation and educates about accessibility issues. All analysis is done entirely within the Chrome browser allowing secure valuation of intranet, local, password protected, and other sensitive web pages.

Report Abuse

Additional Information

Version: 1.0.1

Updated: March 21, 2016

Size: 423KiB

Language: English (United States)

<https://chrome.google.com/webstore/detail/wave-evaluation-tool/jbbplnpkjmmeebjpijfedlgcdilocfh>

Why Responsive Design?

(A little history)

Fixed-Width

This screenshot shows the MSN homepage with a fixed-width layout. The top navigation bar is a horizontal bar with various links and social media icons. Below it is a search bar with the Bing logo. A blue navigation bar contains links for NEWS, ENTERTAINMENT, SPORTS, MONEY, LIVING, WEATHER, AUTOS, JOB SEARCH, VIDEO, and MORE. Underneath this bar are several small text links: resume advice, interview tips, who's hiring, and video. The main content area features a large headline "The 10 most haunted places in the world" with a dark background image of a haunted house. To the right is a weather widget for Montreal, CAN, showing -9°/-17° F/C. At the bottom right is a red Toyota advertisement for "#1 for everyone sales event".

This screenshot is identical to the one above, showing the same fixed-width layout for the MSN homepage. It includes the top navigation bar, search bar, blue navigation bar with category links, and the "The 10 most haunted places in the world" headline. The weather widget for Montreal, CAN, and the Toyota advertisement are also present at the bottom right.



Credit: [Carl Berkeley via Creative Commons](#)

The New York Times - Breaking News, World...

www.nytimes.com/



Google

HOME PAGE

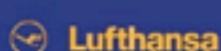
TODAY'S PAPER

VIDEO

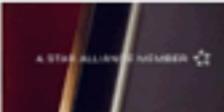
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Event Guide
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By DAVID D. KIRKPATRICK
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By ANNE BARNARD and HWAIDA SAAD
Airstrikes sent up dust and rubble and crushed several dozen people who had returned to what they thought was a new haven in a country mired in civil war, witnesses said.

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By JOHN SCHWARTZ
A federal appeals court ruled that gay Americans are a class of people who deserve the same kinds of constitutional protections as many other victims of discrimination.

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By MATTHEW ROSENBERG
Western observers fear the next election might not be "acceptable," let alone "free and fair," if Afghanistan's president and Parliament cannot agree on new laws.



Adriana Zehbrauskas for The New York Times

Mexico played Kyrgyzstan in the Homeless World Cup last week.

MEXICO CITY JOURNAL

On Soccer Fields, a Respite from Violence

By DAMIEN CAVE
This year's Homeless World Cup, in Mexico City, drew young people whose lives have been affected by the particular pain of the country these days: drug violence.

ELECTION 2012

Amid Brutal Campaign, a Respite. With Jokes.

By RICHARD A. OPPEL Jr. 11:33 PM ET
President Obama and Mitt Romney mixed gentle jabs and self-deprecation at a fundraiser for Catholic charities.

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11:22 PM ET
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On 'Daily Show,' Obama Talks of Libya

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Op-Ed: Among the Snipers of Aleppo

For all the horrors on the ground, it seems unlikely that intervention could help.

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- Room for Debate: Less Inequality, More Growth?

State Farm

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FTSE 100	DAX	CAC 40
5,912.30	7,422.48	3,536.80
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The housing market in England varies widely, but has recently picked up in Somerset County, the site of this house.



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on Thursday evening at a crowded

hotel, sipping mango juice on a balcony, he was asked about the threats coming from the American governments.

Enlarge This Image



Esam Omran Al-Fetori/Reuters

A man near the American Mission in Benghazi, Libya, after the attack last month.

Related

[Clearing the Record About Benghazi](#) (October 18, 2012)

[Attack on U.S. Mission in Benghazi Becomes Subject of Strongest Words](#) (October 17, 2012)

Libya's fledgling "national chic" Khattala said, rhyme. Asked responsibility mission's attack the idea that the government can And he accused



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The Washington Post



60° Washington, DC

March 15, 2014

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Kiev denounces 'invasion' by Russian forces

Anthony Falola and Will Englund 7:25 PM ET

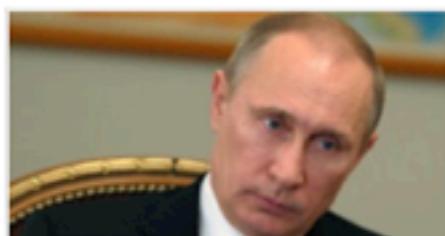
Russia's military stages a new act of aggression, occupying a natural gas distribution center and Ukrainian village.

• Russia vetoes U.N. resolution

In Moscow, thousands rally to show support for Ukraine

Will Englund

Tens of thousands of demonstrators waving Ukrainian, Russian and European Union flags chanted "No war!"



Putin wanted Ukraine. But he's getting Crimea.

Will Englund

Focus on foul play in search for Malaysia Airlines flight

Chico Harlan, Ashley Halsey III and Annie Gowen 8:00 PM ET



Rescue team searches in the Andaman Sea. (Reuters)

Police search the homes of the pilots as the Malaysian prime minister says the plane's disappearance was "deliberate."

• Malaysian PM: 'Deliberate action' in missing jet | Transcript

Map shows possible areas jet last made contact



Chico Harlan

WORLDVIEWS | Based on new analysis of satellite data, officials say the plane may have made last contact along one of two corridors.

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Update on the snow that almost nobody wants (including map and timeline)



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Crimea as consolation prize: Russia faces some big costs over Ukrainian region



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Jet was hijacked, Malaysian official tells AP

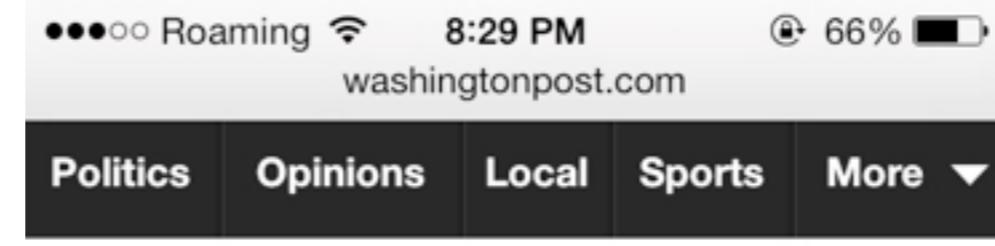


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(Vadim Ghirda / AP)

Kiev denounces 'invasion' by Russian forces

Anthony Faiola and Will Englund

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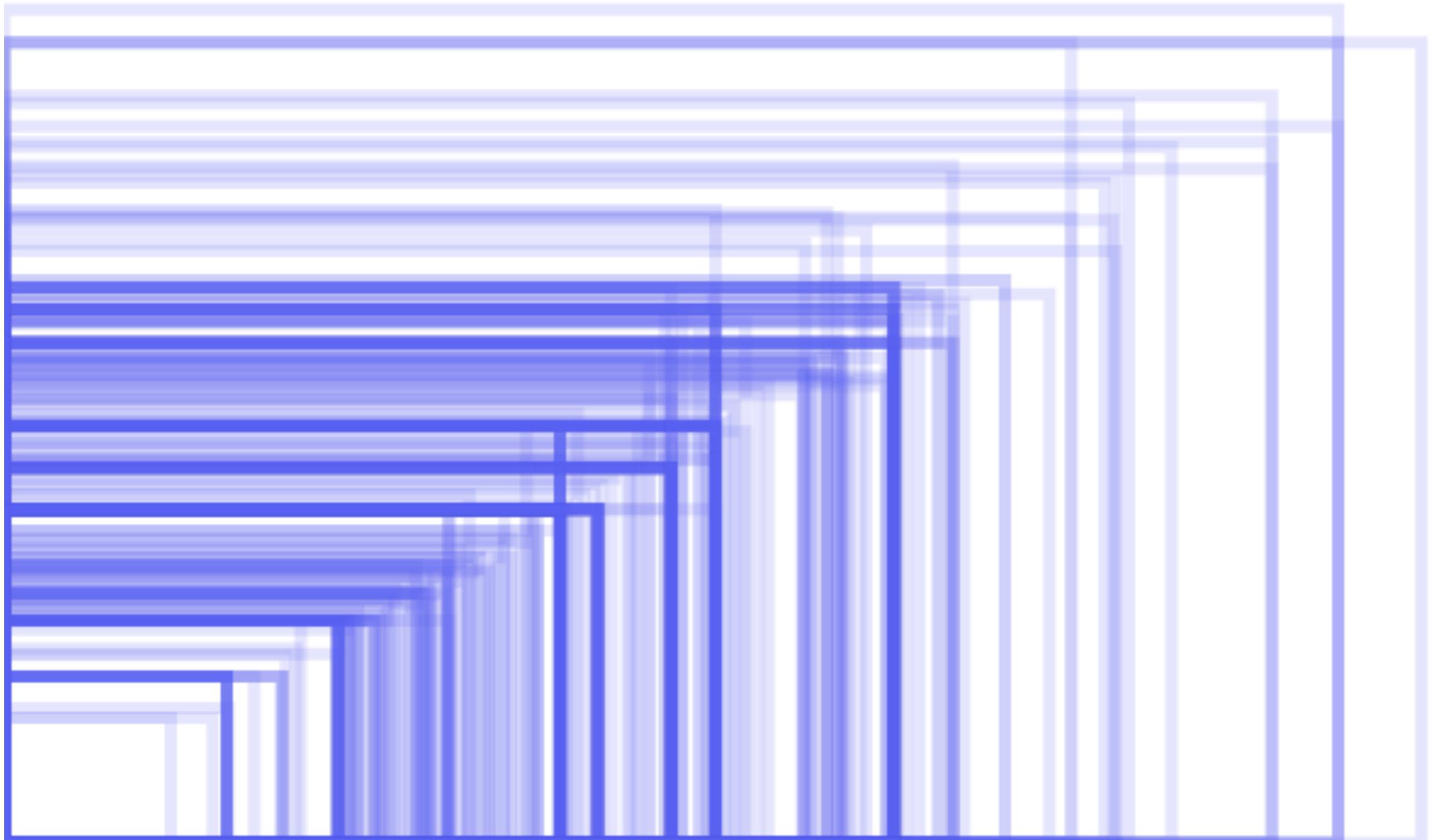
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Photo: Brad Frost <https://flic.kr/p/cfQwL7>



Source: <http://opensignal.com/reports/fragmentation.php>

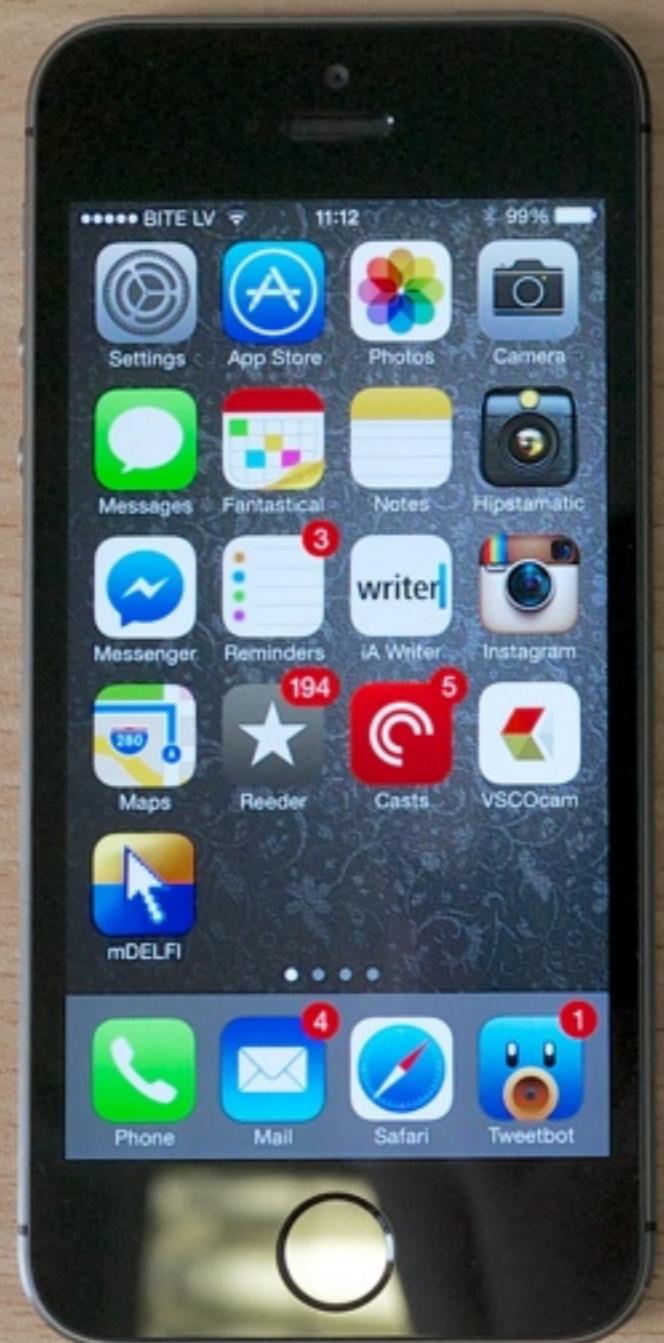
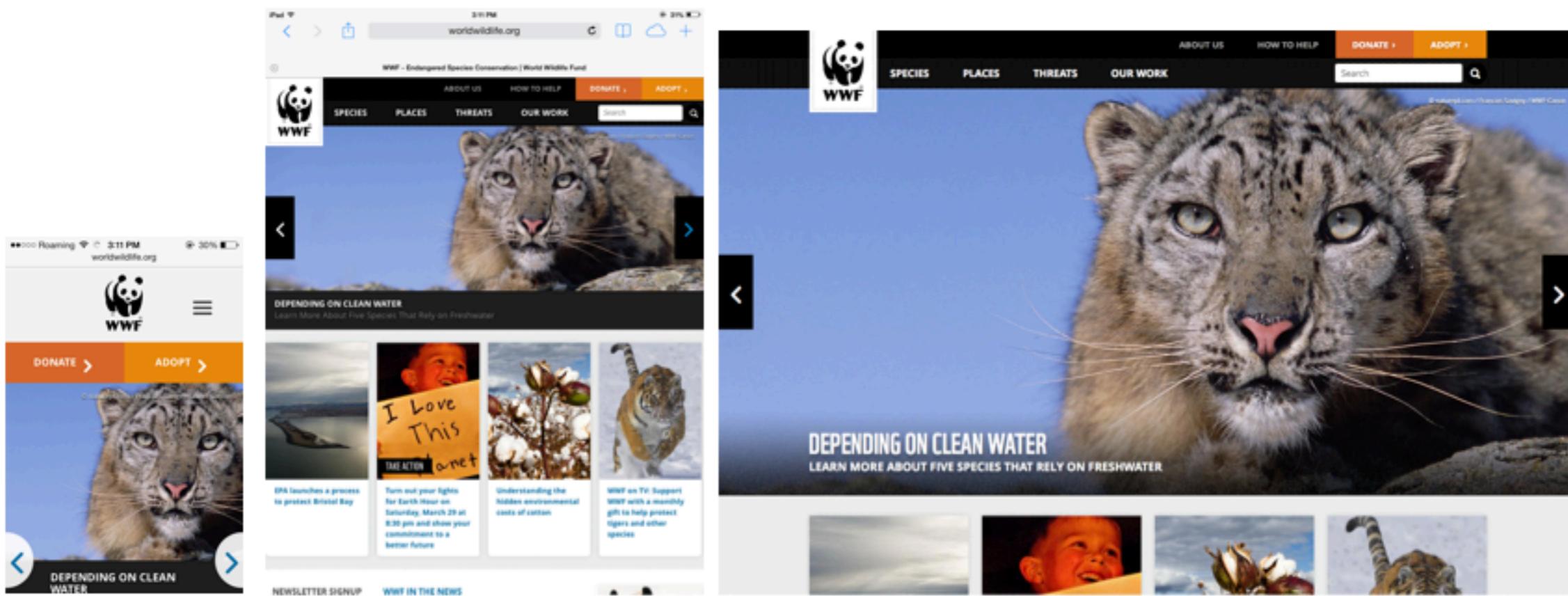


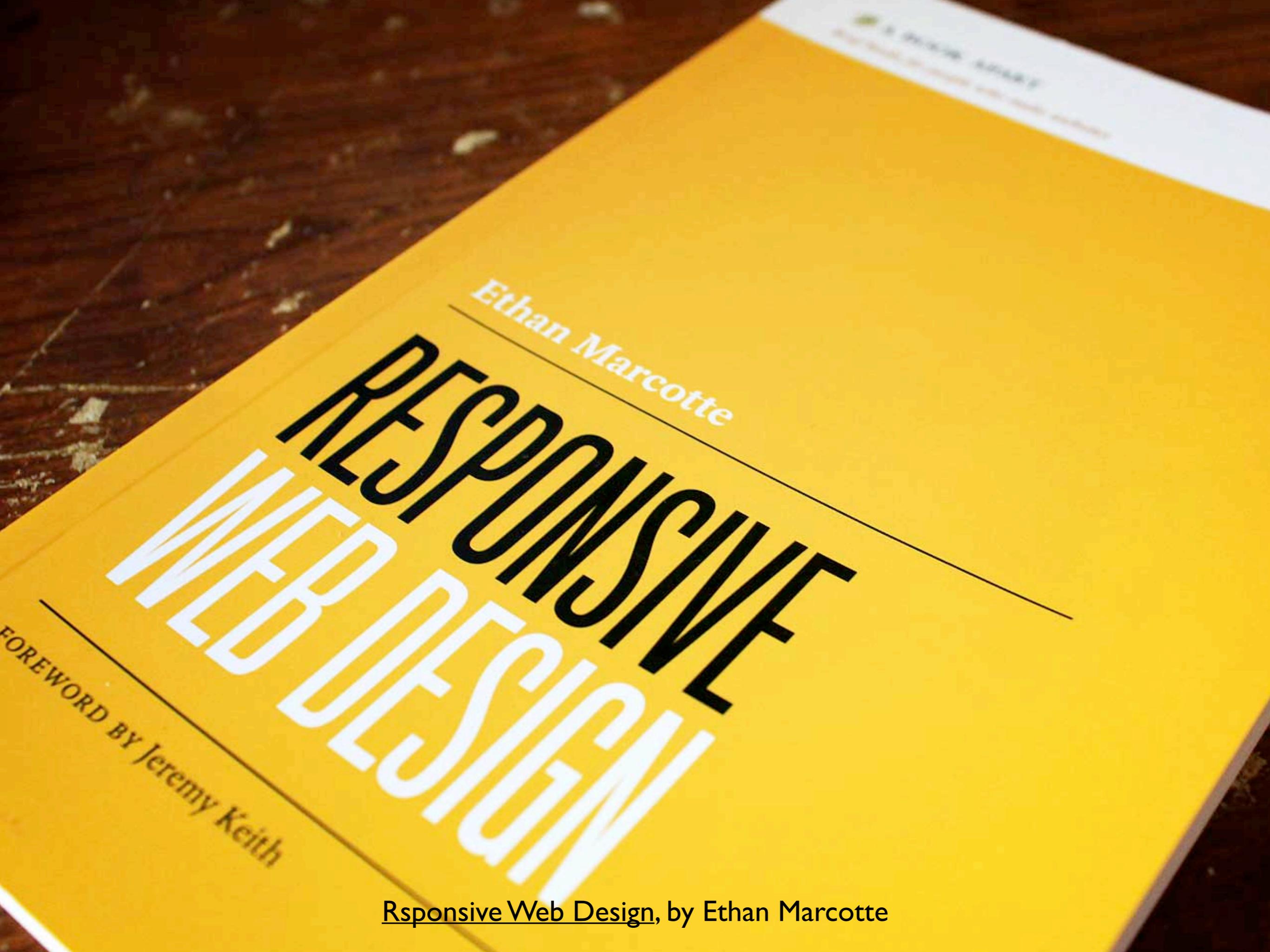
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Rsponsive Web Design, by Ethan Marcotte

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 SUZANNE KREITER/GLOBE STAFF

The Boston Globe

Search

Obama vows justice for beheadings of US reporters

President Obama didn't give a timeline for deciding on a strategy to go after the Islamic State group's operations in Syria. [58 minutes ago](#)

- Zest for journalism began in N.H.
- Militants execute 2d US hostage

Obama calls Russia a threat to peace in Europe

President Obama promised to come to the defense of NATO allies that fear they could be Vladimir Putin's next target. [34 minutes ago](#)

- Ukraine retracts announcement of cease-fire with Russia

Files show months of woe in Mass. jobless system



Beacon Hill activist seeks handicap ramps' replacement

A Beacon Hill Civic Association member urged the state to redo the ramps with materials "appropriate" to Beacon Hill.

- **Discuss:** What do you think of the ramps?
- **Harmon:** Residents have right idea on ramps
- **Farragher:** No empathy for disabled

**Wes Welker says he didn't knowingly take drugs**

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**Marian Ryan for Middlesex District Attorney**

The Globe's editorial board writes that Ryan should be given the opportunity to show that she can be the DA that her admirers envisioned.

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In the News Ukraine Nude photo hack Apple 4chan Home Depot Steven Sotloff

Ukraine: Truce progress made after Putin chat

Michael Birnbaum and Annie Gowen 8:12 AM ET

The Ukrainian president's office said a "process for achieving a cease-fire" had been reached in a phone call with Putin. But Russia stressed no deal had been made since it is not a party to the conflict.

Obama to Islamic State: 'We will not be intimidated'

Katie Zezima 8:32 AM ET

The president sharpened his tone against the terrorist group that released a video showing the execution of U.S. journalist.

- U.S. concludes video is authentic
- Did Obama refer to IS as a 'JV' team?

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Obama's unnerving happy talk

Dana Milbank

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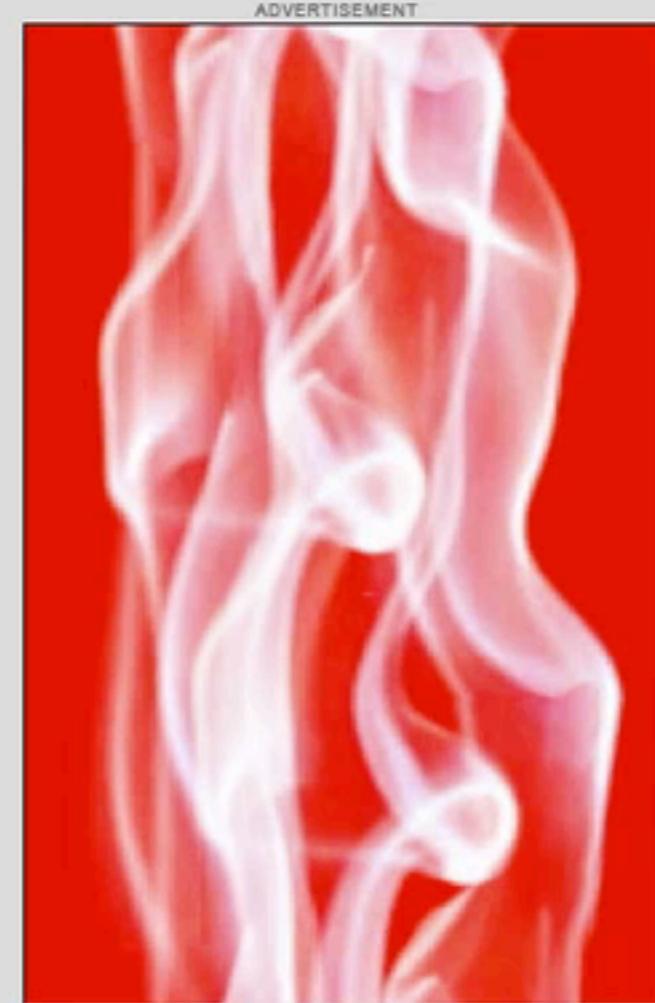
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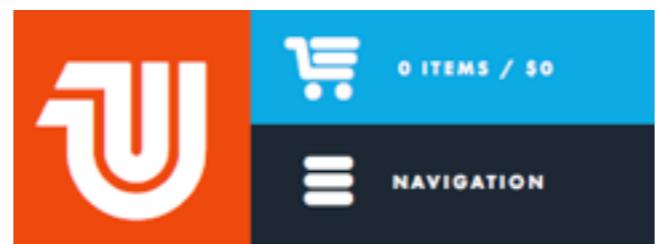
SEARCH



Michelle Nunn greets supporters last month in Macon, Ga. (AP)



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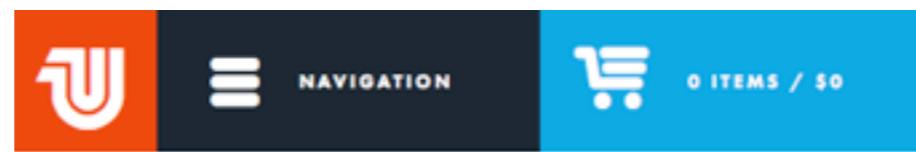


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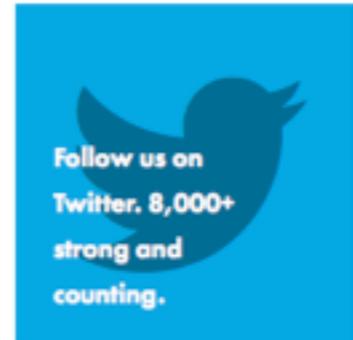
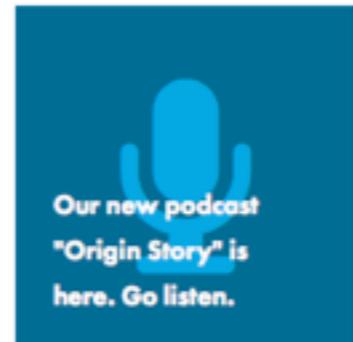
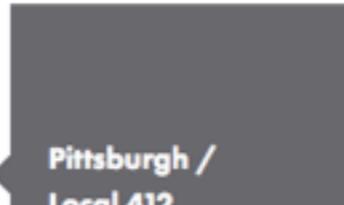
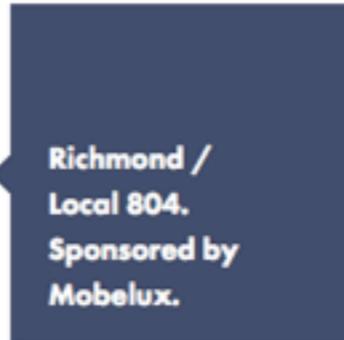
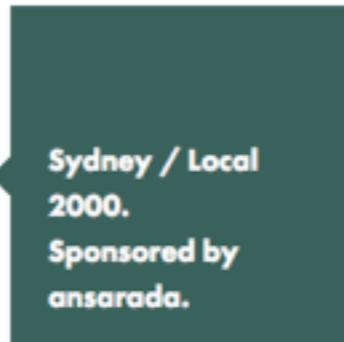
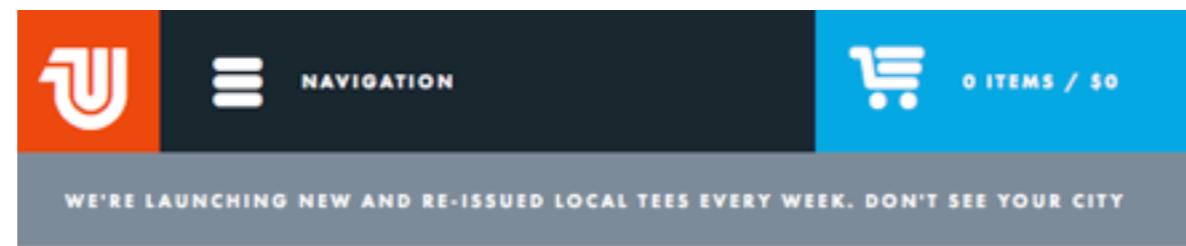
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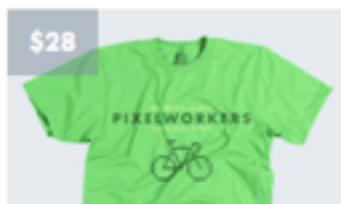
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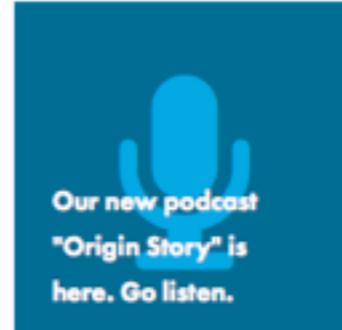
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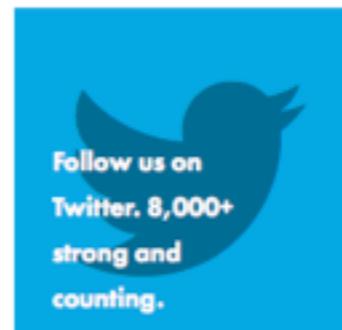
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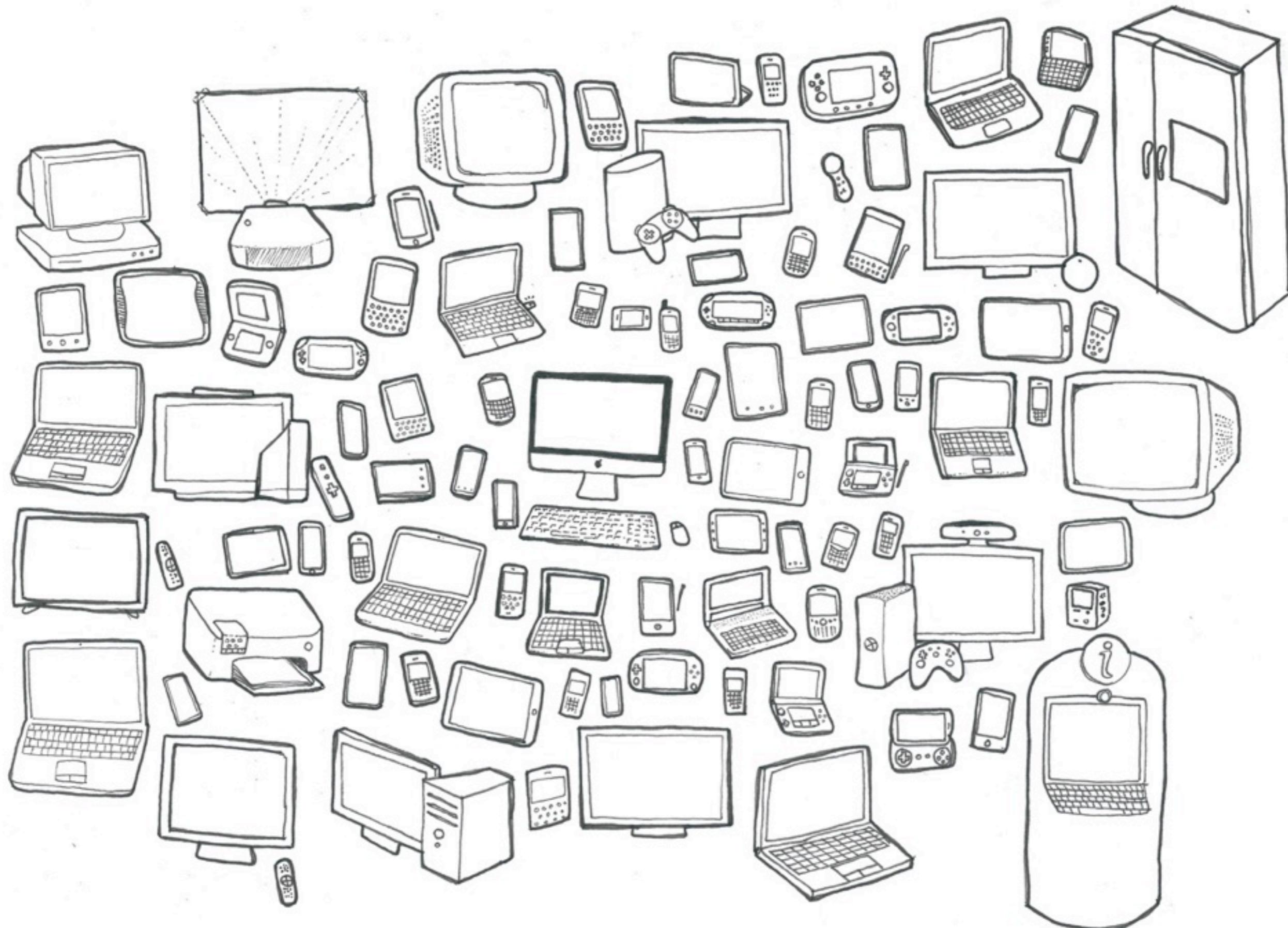
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Alternatives to Responsive Design

Devices & Capabilities



Credit: Anna Debenham / CC BY NC



Credit:[WOCinTech Chat](#) / CC BY

Activity: Responsive

- Go to several different websites
- Change the width of your browser window
- Is the site responsive?
- What parts of the site change for different screen widths (besides the obvious like number of columns)?
- For non-responsive sites, try viewing them on your phone/tablet.

Workflow

Project Management Methodologies

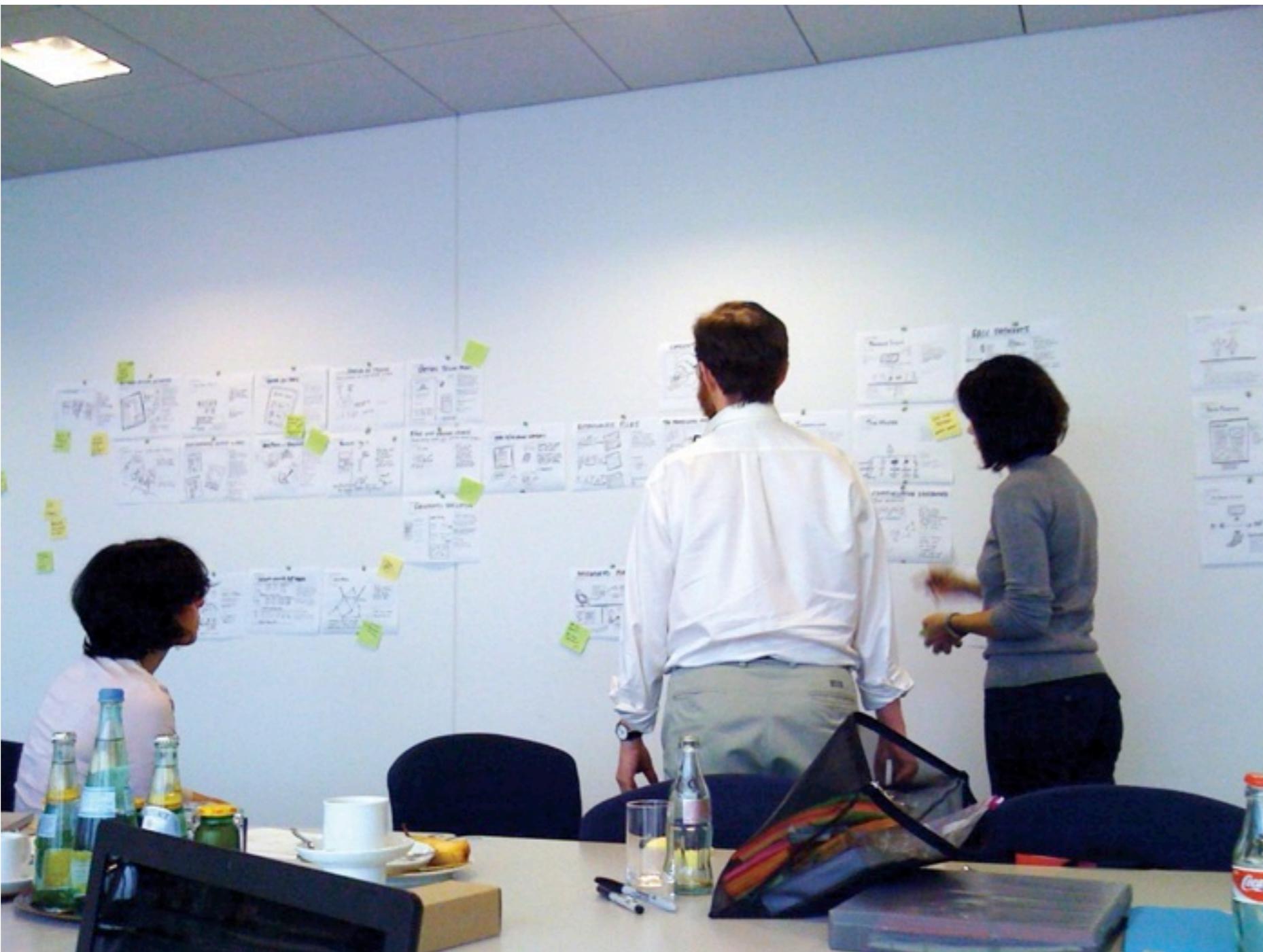
Waterfall

Design —————→ **Develop**

Agile

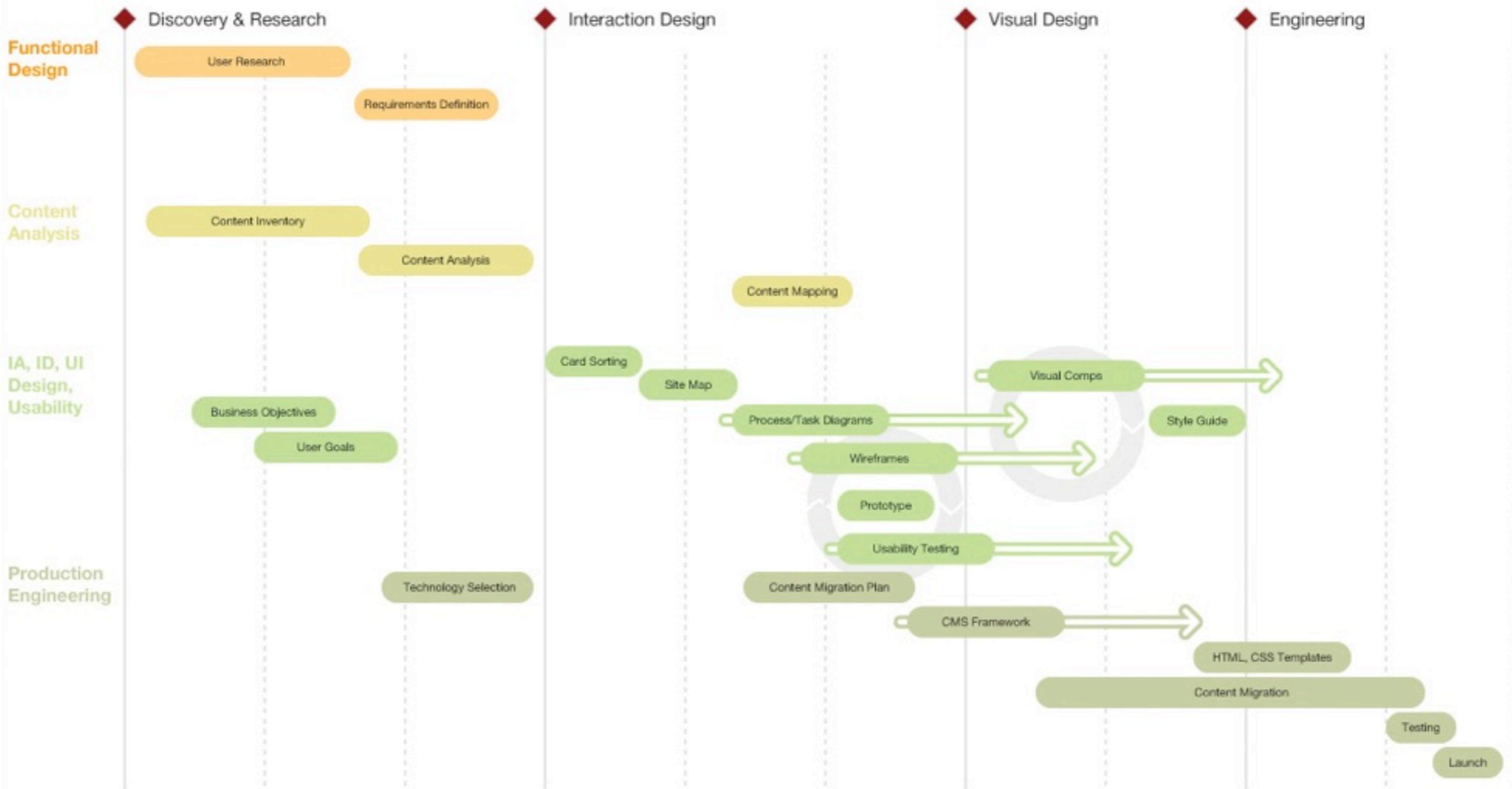


Cross-Functional



Credit: [Rosenfeld Media via Creative Commons](#)

Design Process Diagram



Todd R. Warfel
Principal User Experience Architect
© Message First Corp.

1

Credit: [Rosenfeld Media \(Creative Commons\)](#) from *The User Experience Team of One*

Discovery & Research

**Talk to the
Team & Stakeholders**

Identify Project Goals & Strategy

**Audit the
Current Site**

**Research the
Industry &
Competition**

**Create a
Project Plan**

User Research



Source: Phil via Creative Commons

Field Research

Surveys

Activity: Research

- Imagine you have been hired to build a website for the Calgary Candy Emporium, a new business.
- They are a store in the North Hill Centre (by SAIT) and they sell all different kinds of candy.
- Who are the potential users of this website? What are their goals?
- Who is the competition for this business? Your answer may be types of businesses and/or particular stores.
- Compare the features of competitor's websites. What do you think you should include on your site?
- What do you think your site could do better than the competitors?