

# Progressive eEnhancement

by Aaron Gustafson  
[@aarongustafson](https://twitter.com/aarongustafson)  
<http://slideshare.net/AaronGustafson>

?

**TECHNOLOGICAL  
RESTRICTIONS**



# ZERO GRAVITY TOILET

PASSENGERS ARE ADVISED TO  
READ INSTRUCTIONS BEFORE USE

1

The toilet is designed to be used in a seated position.  
Please do not stand over the toilet when using it.

2

Please do not flush the toilet when you have just  
used it. This will cause the toilet to overflow.

3

Please do not flush the toilet when you have just  
used it. This will cause the toilet to overflow.

4

Please do not flush the toilet when you have just  
used it. This will cause the toilet to overflow.

5

Please do not flush the toilet when you have just  
used it. This will cause the toilet to overflow.

6

Please do not flush the toilet when you have just  
used it. This will cause the toilet to overflow.

7

Please do not flush the toilet when you have just  
used it. This will cause the toilet to overflow.



MCM~~LXXVII~~  
**(that's 1977)**

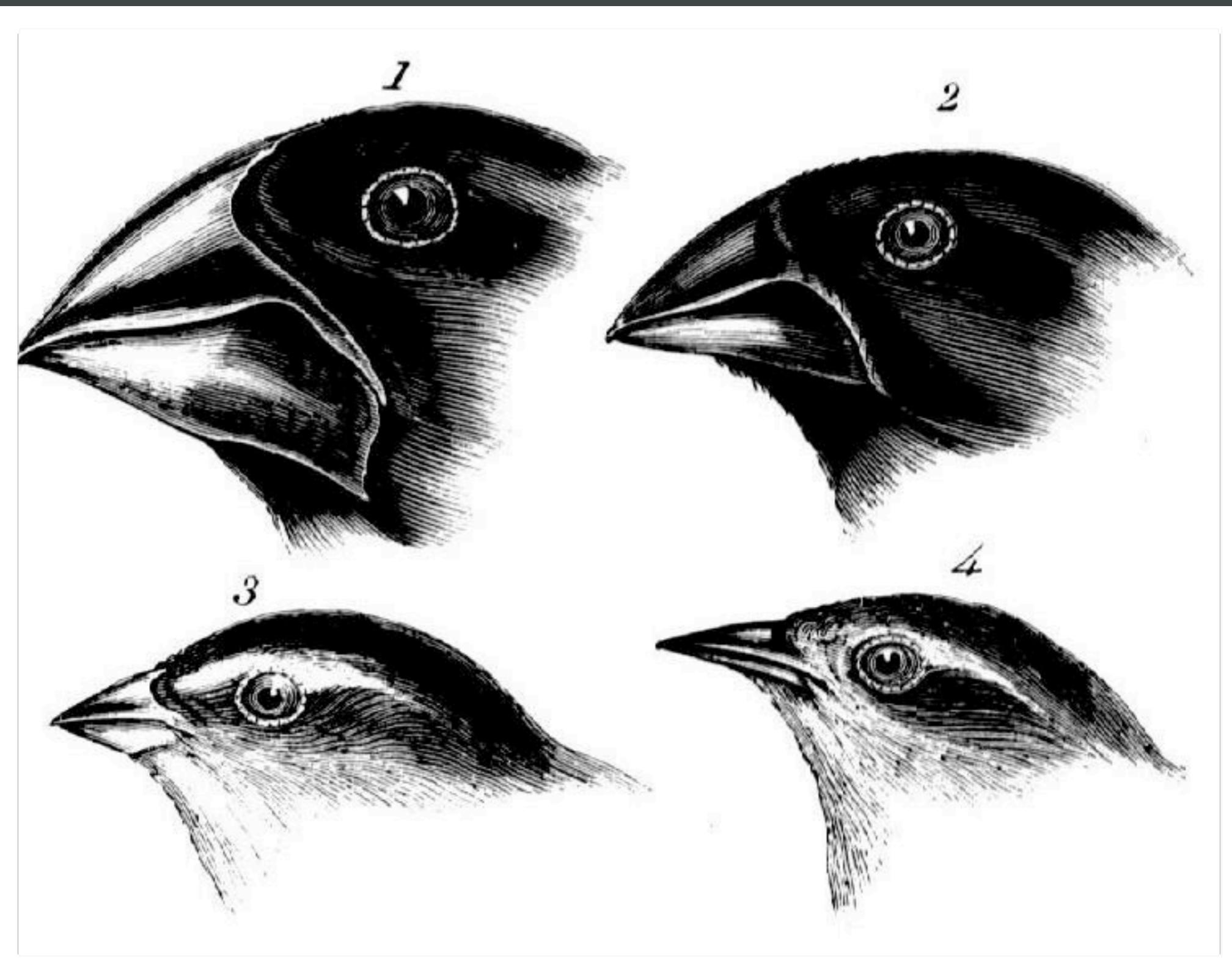


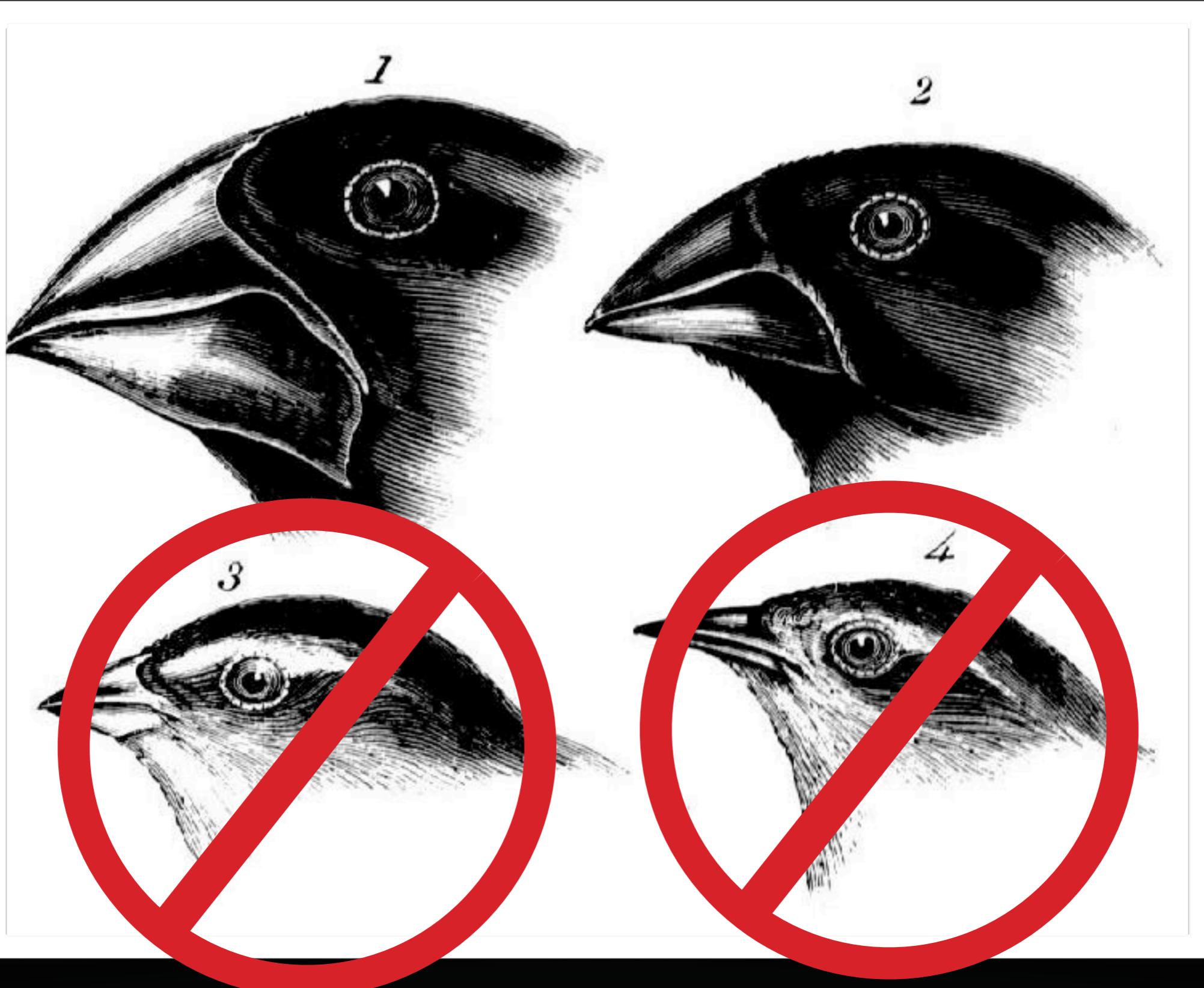














HTML



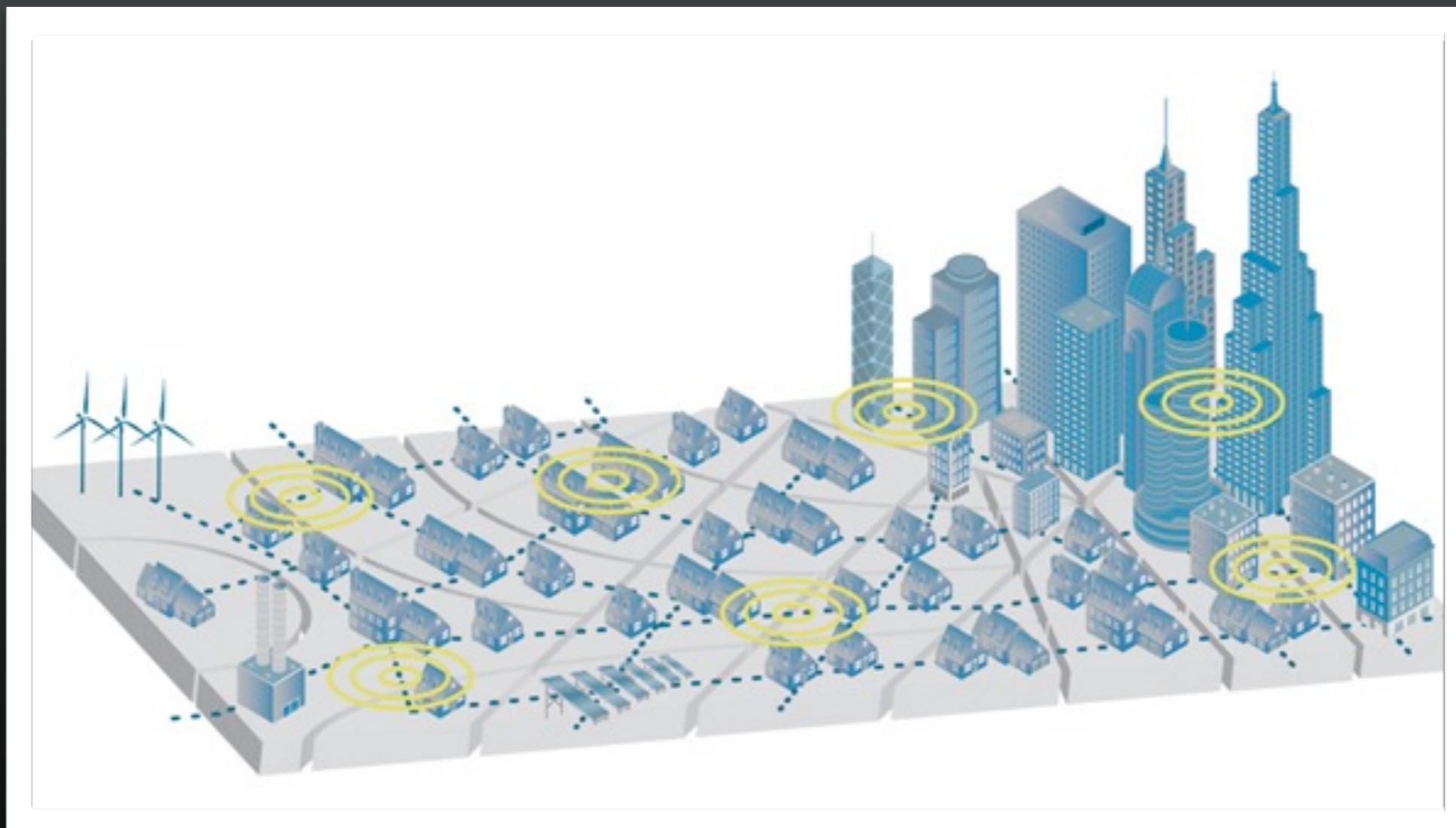
CSS

# **fault tolerance**

*n.* a system's ability to continue to operate when it encounters an unexpected error.







BROWSERS  
**IGNORE WHAT**  
THEY DON'T  
UNDERSTAND

# GRACEFUL DEGRADATION

# MODERN BROWSERS

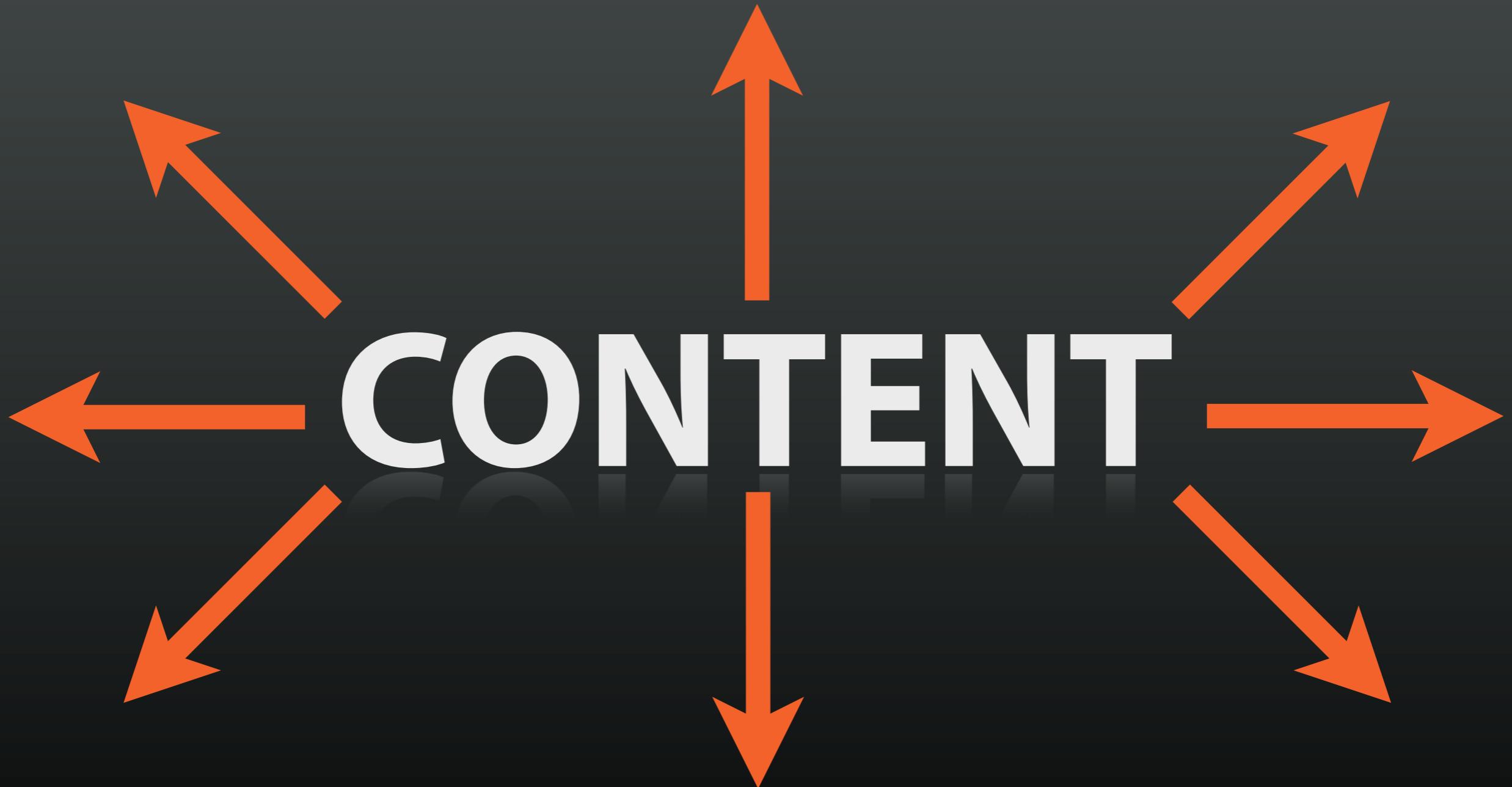


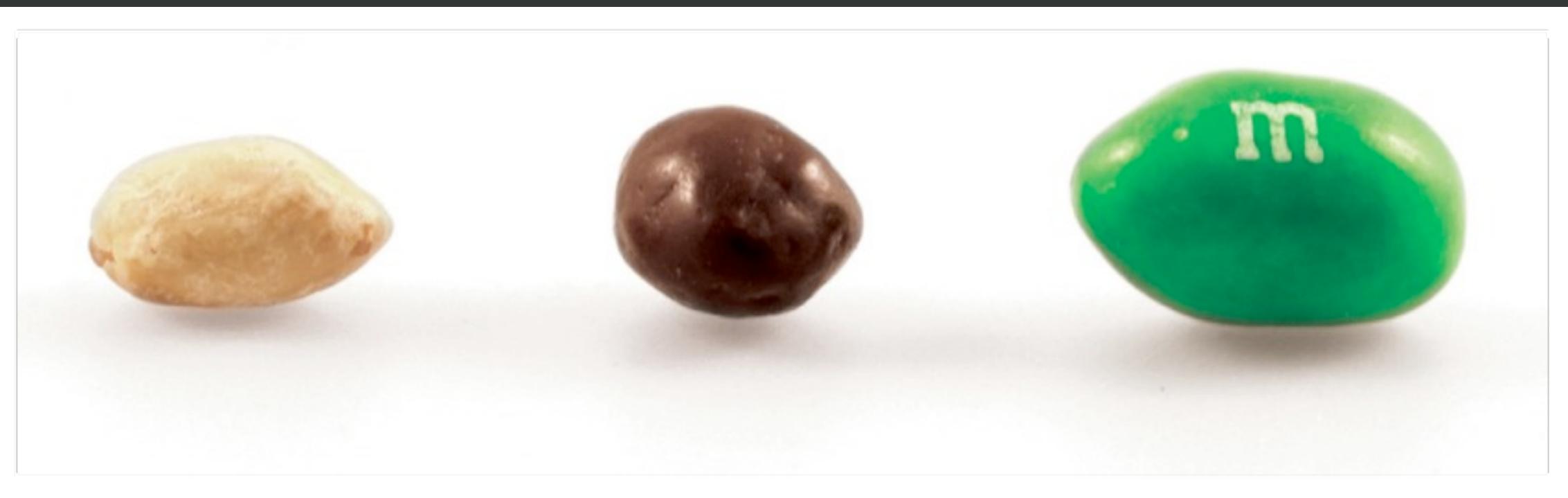
OLDER BROWSERS

# MODERN BROWSERS



# PROGRESSIVE ENHANCEMENT



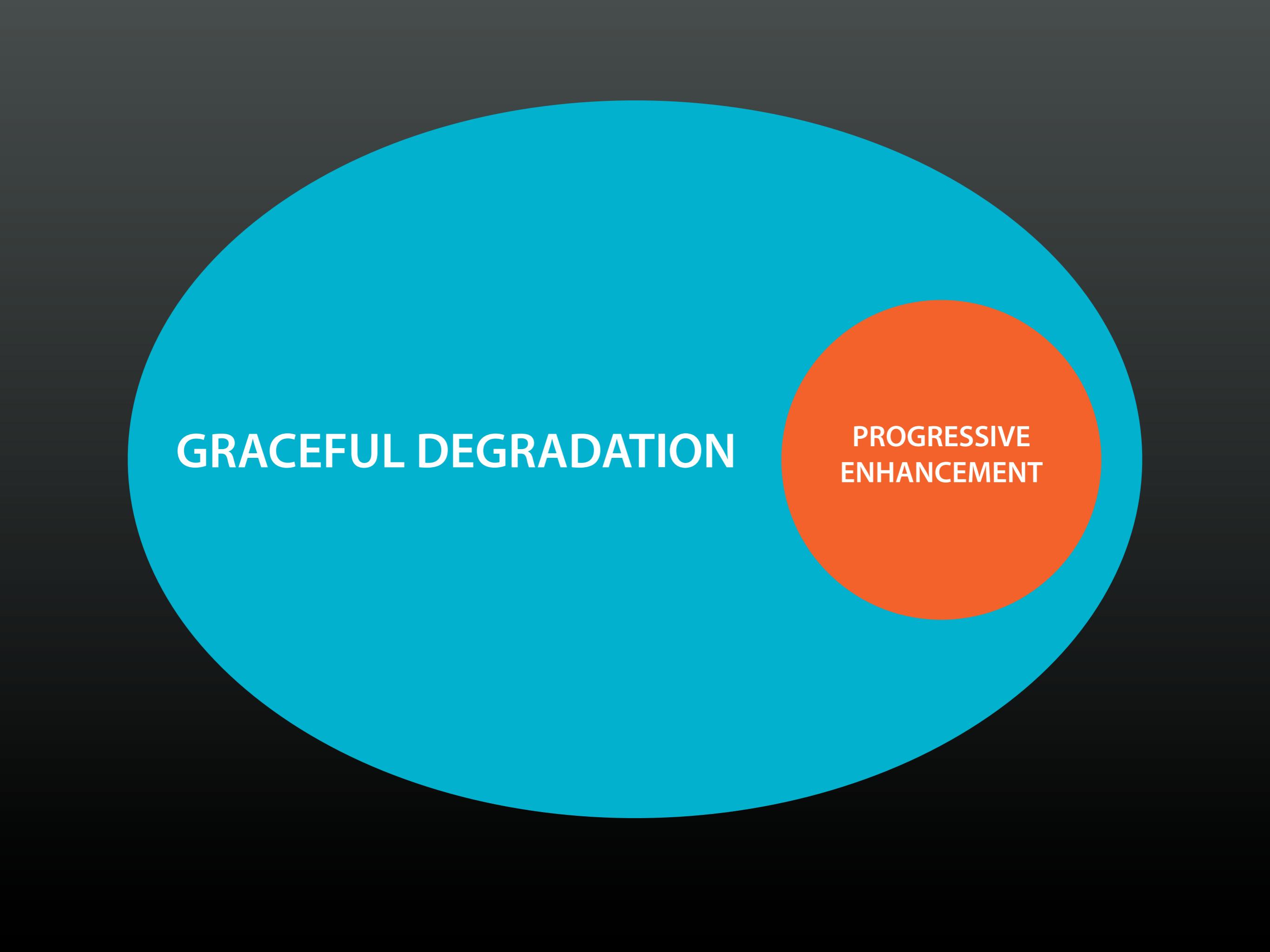


# ACCESSIBILITY

**“SPECIAL NEEDS”**

**“SPECIAL NEEDS”  
CAN BE  
CONTEXTUAL.**

**YOU MUST BE THIS TALL  
TO RIDE WITH AN ADULT**



**GRACEFUL DEGRADATION**

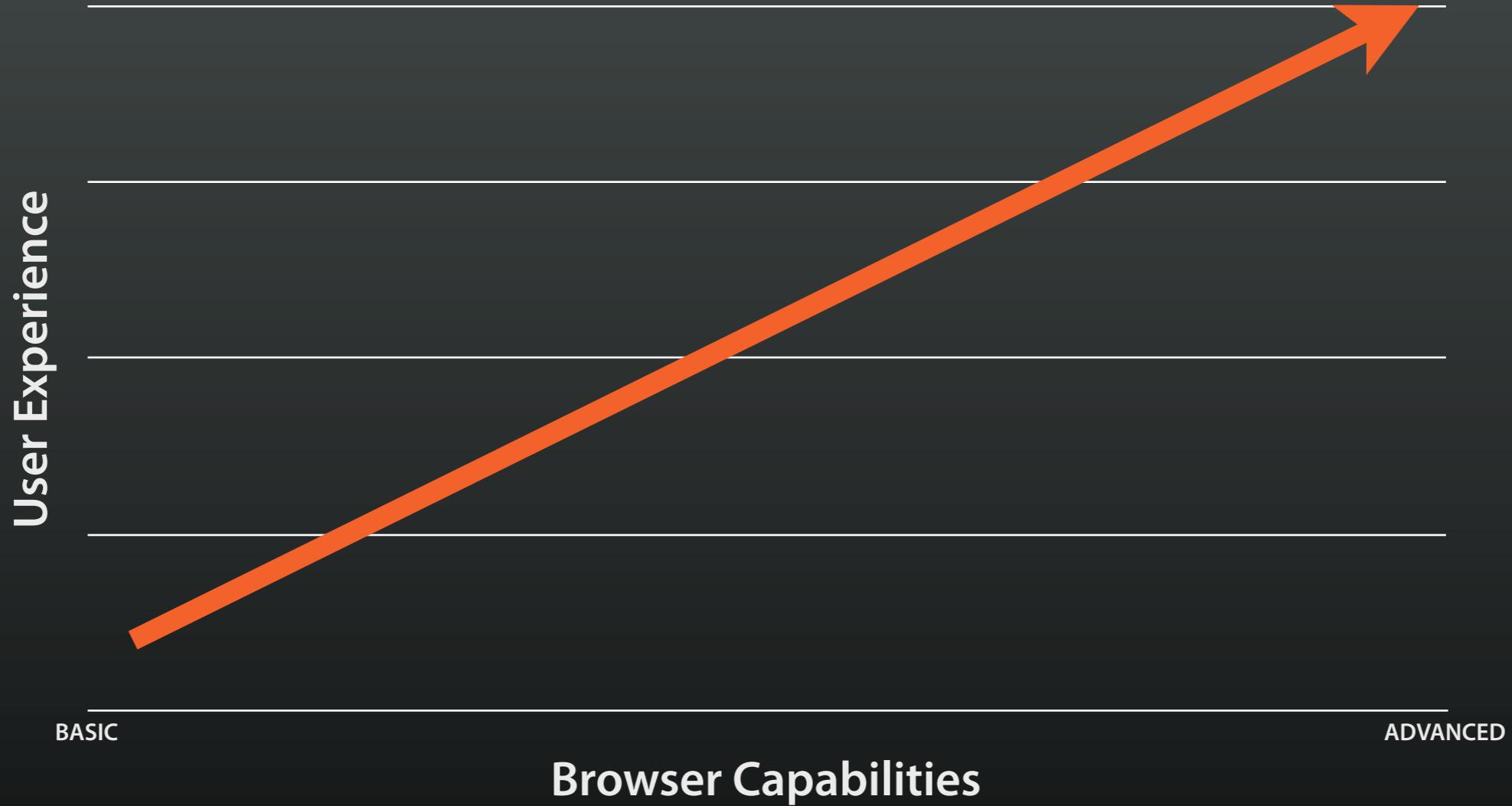
**PROGRESSIVE  
ENHANCEMENT**

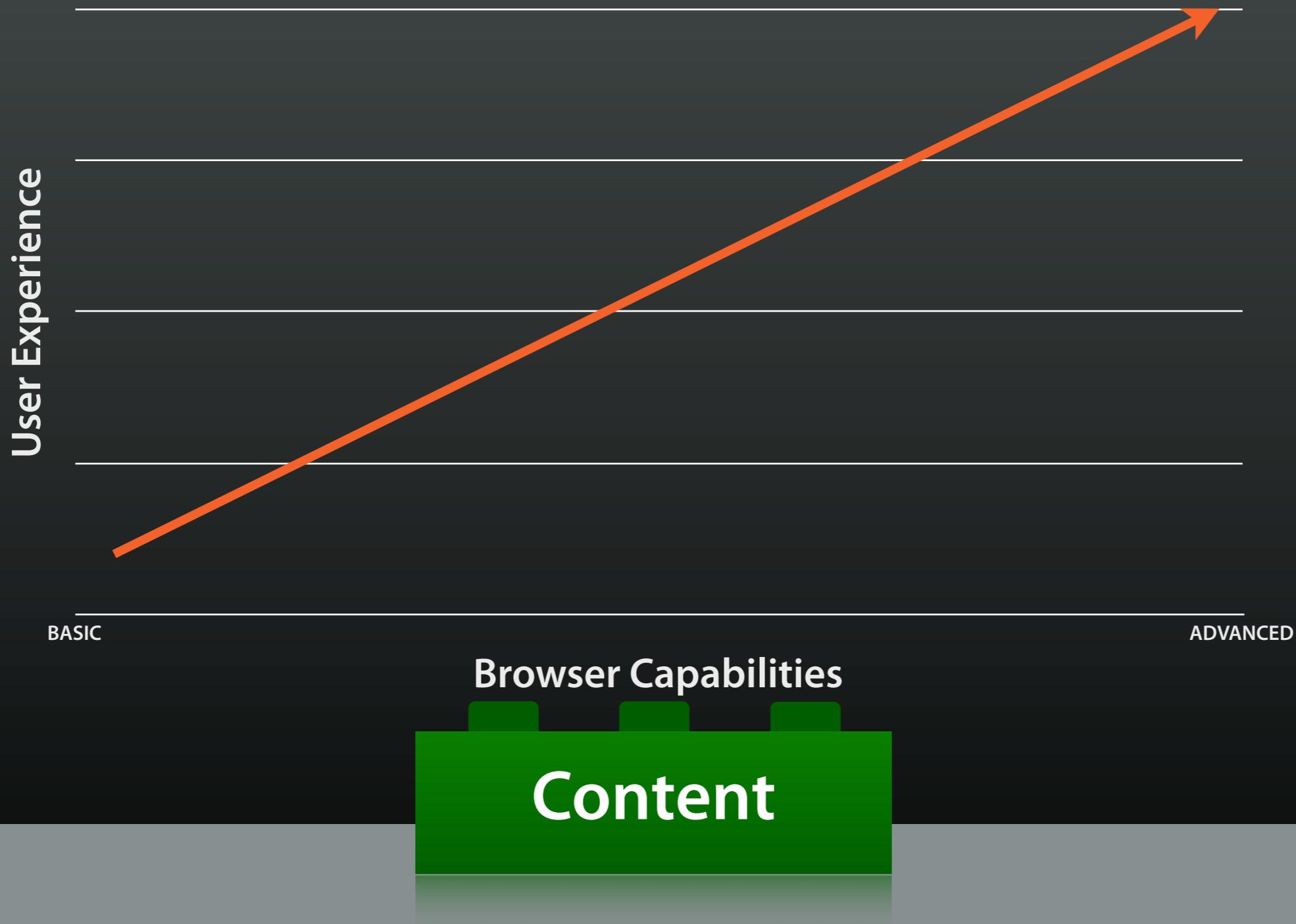
OOOH, SHINY!

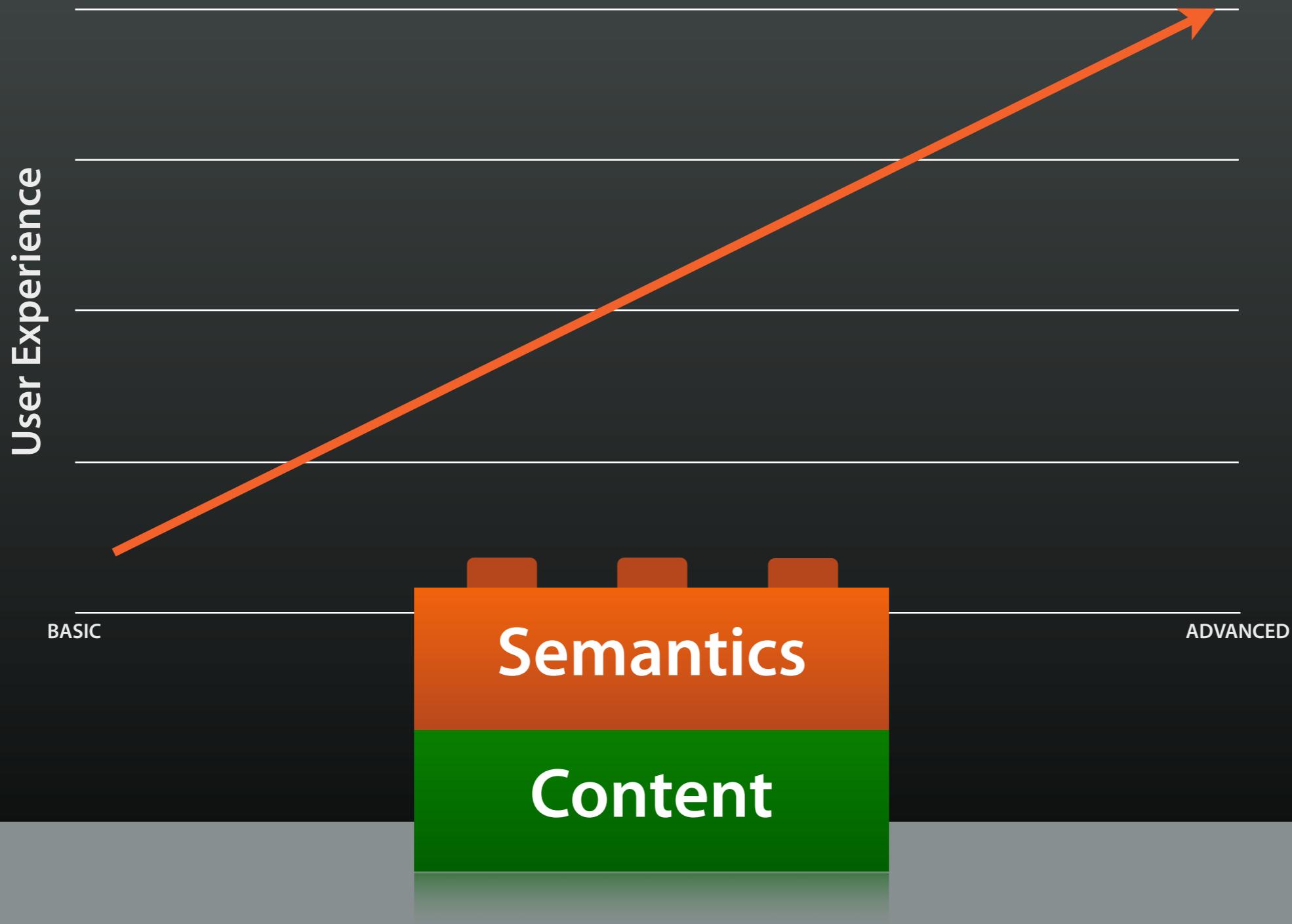
PROGRESSIVE  
ENHANCEMENT  
**ISN'T ABOUT**  
BROWSERS

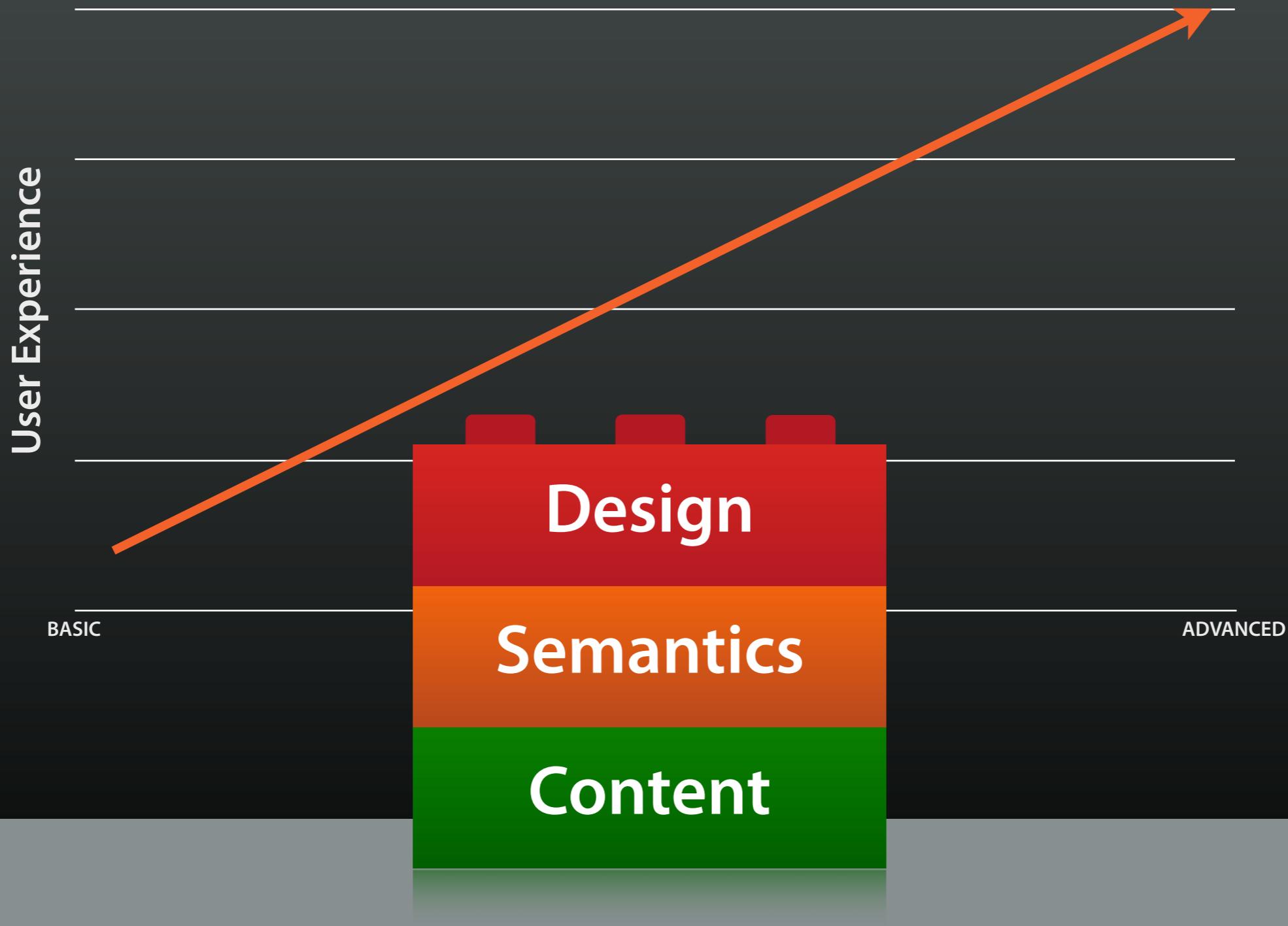
**BROWSERS AND  
TECHNOLOGIES  
COME AND GO**

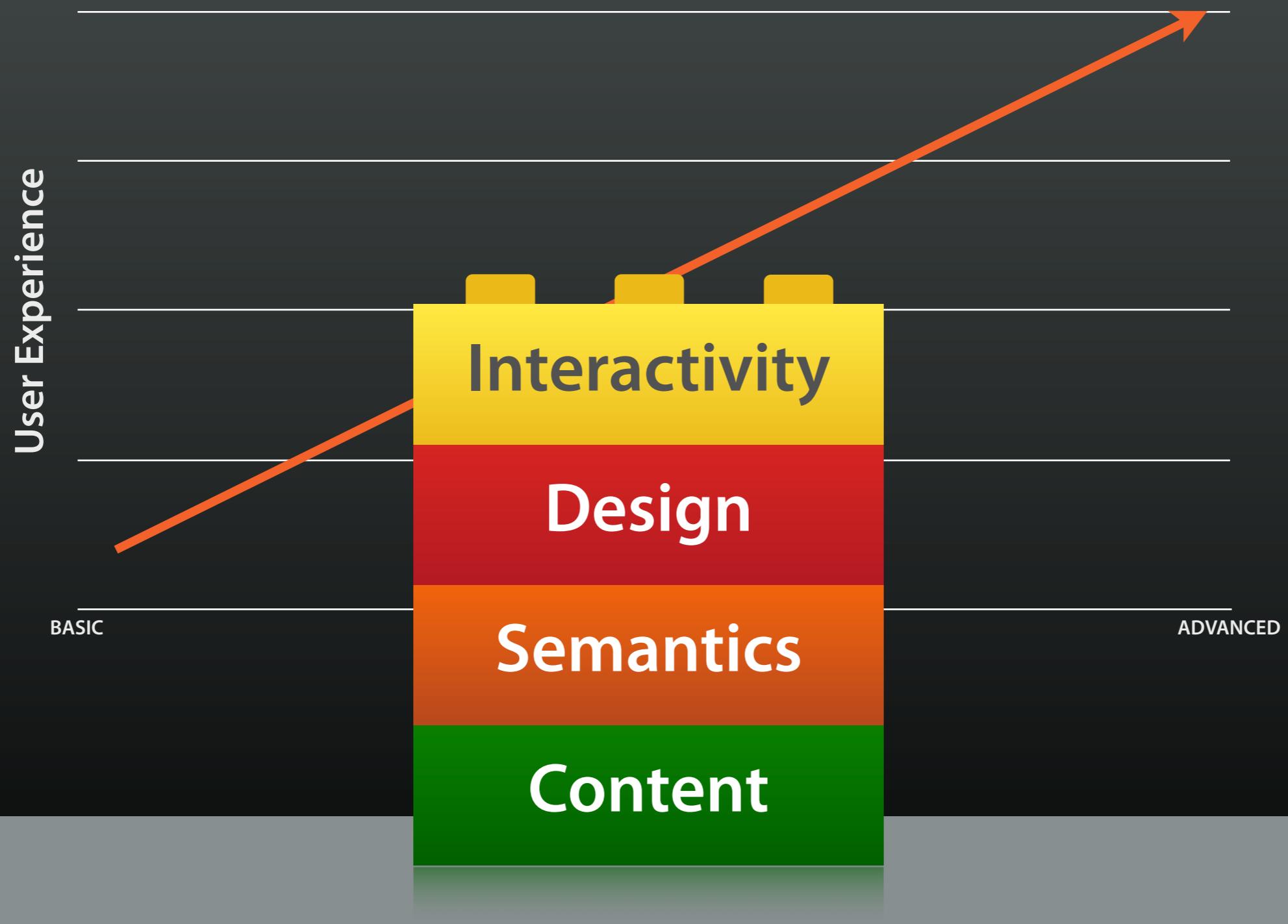
DON'T LOSE  
SIGHT OF  
YOUR USERS

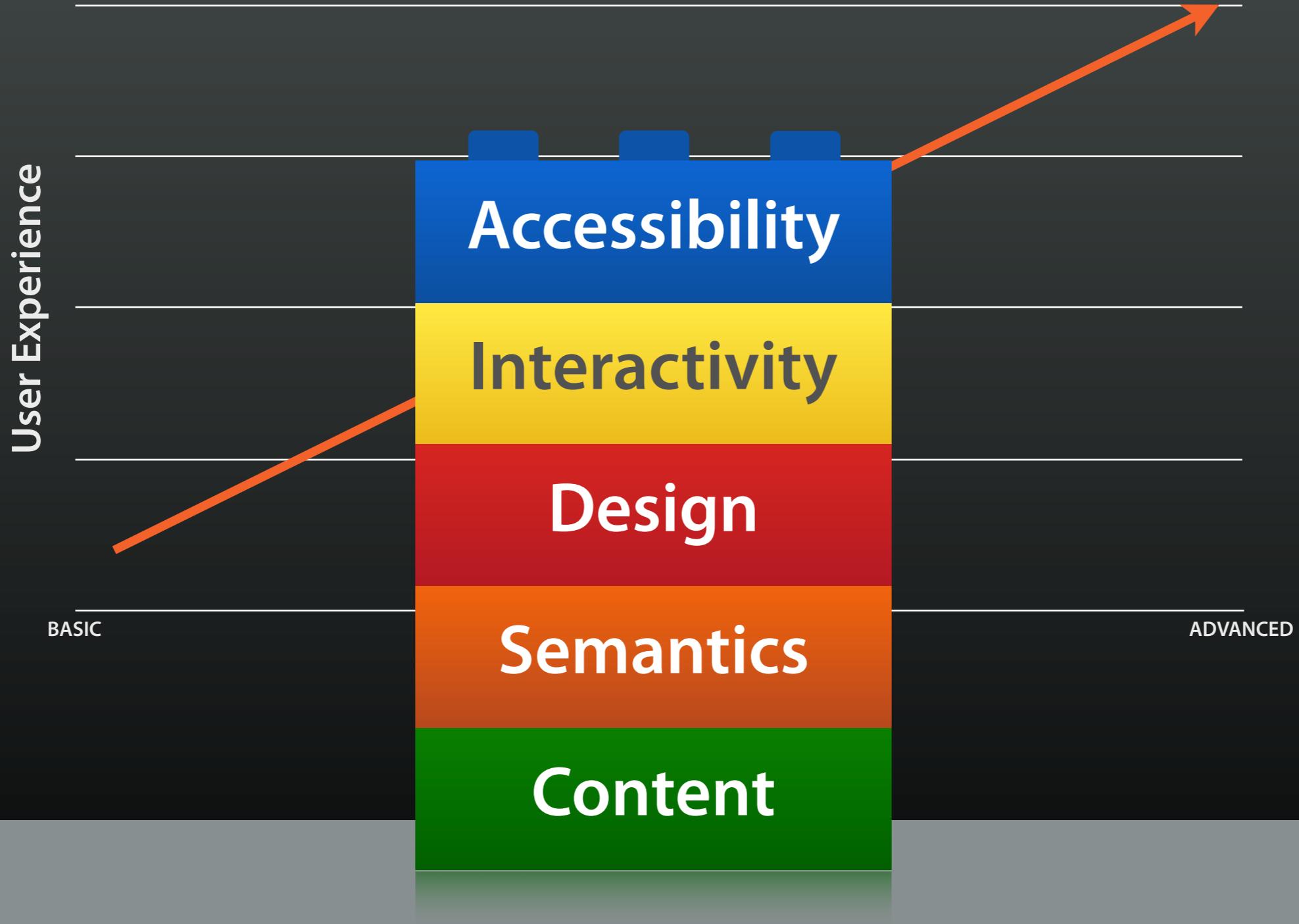


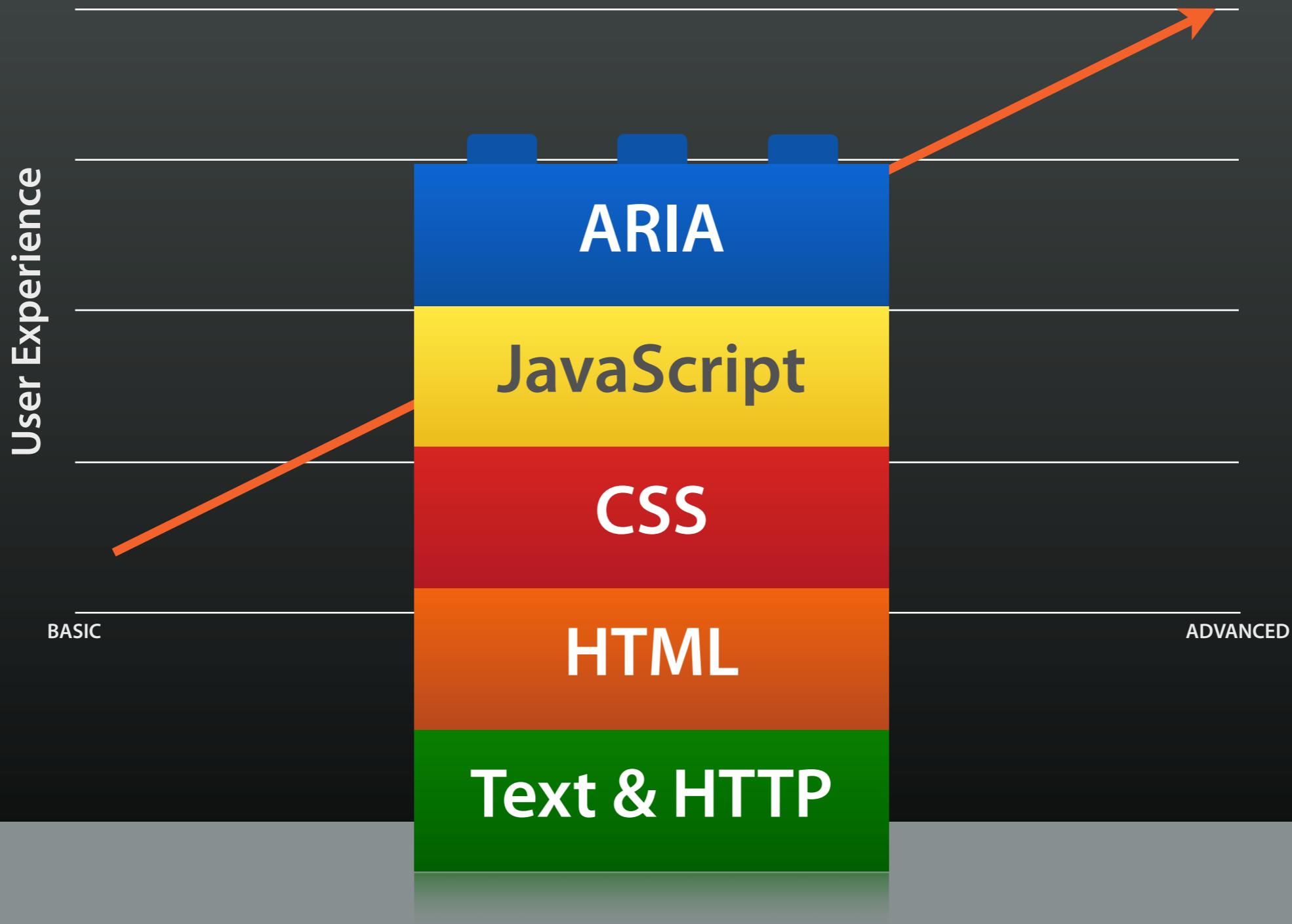












# Content

Content  
is **WHY**  
we build  
websites

Clear,  
well-written  
prose is key.

**Don't put up  
roadblocks.**

# Semantics



# Fault tolerance

```
<p>HTML5 introduces several <em>really</em>  
useful elements and a ton of new APIs.</p>
```

```
<p>Please fill out the form below.  
<strong>Note: all fields are required.</strong></p>
```

```
<p>I like to work with markup languages because  
<strong>they are simple and easy to read</strong>. They also have that certain <i lang="fr" title="I don't know what">je ne sais quoi</i>.</p>
```

# Fault tolerance

HTML5 introduces several **really** useful elements and a ton of new APIs.

Please fill out the form below.  
Note: all fields are required.

I like to work with markup languages because they are simple and easy to read.  
They also have that certain **je ne sais quoi**.

# Fault tolerance

```
<video poster="poster.png">
  <source src="video.m4v"/>
  <source src="video.webm"/>
  <source src="video.ogv"/>
  
  <ul>
    <li><a href="video.m4v">Download MP4</a></li>
    <li><a href="video.webm">Download WebM</a></li>
    <li><a href="video ogv">Download Ogg</a></li>
  </ul>
</video>
```

# Fault tolerance

```

<ul>
  <li><a href="video.m4v">Download MP4</a></li>
  <li><a href="video.webm">Download WebM</a></li>
  <li><a href="video ogv">Download Ogg</a></li>
</ul>
```

# Fault tolerance

```
<input type="date" name="dob"/>
```

I get it!



I don't get it :-(



# Ad-hoc Semantics

# Classification

[HOME PAGE](#) [TODAY'S PAPER](#) [VIDEO](#) [MOST POPULAR](#) [TIMES TOPICS](#) [MOST RECENT](#)

Subscribe to The Times | Log In | Register Now | [TimesPeople](#)

Download the world today 

**GLOBAL EDITION**  
**The New York Times**  
 WITH THE International Herald Tribune

Try the new IHT Reader free 

Today, October 26, 2010 - Last Update: **7:11 AM ET** (11:11 GMT)



**GLOBAL SPOTLIGHT** [1](#) [2](#) [3](#) [4](#)

**OPINION »** [Roger Cohen: Turkey Steps Out](#) **SCIENCE »** [Improvised Remedies of an Art Healer](#)

Ankara applies Western ideas and the West doesn't like it.  Because of unusual materials, modern works of art can be hard to conserve. 

**MARKETS** Data delayed at least 15 minutes 10/26/2010 7:40 AM ET

	U.S.	AMERICAS	EUROPE	ASIA	CURRENCIES	COMMODITIES
<b>FTSE 100</b>	5,705.17	-46.81	-0.81%	<b>FTSE 100 BRITAIN</b>		
<b>DAX</b>	6,621.16	-18.05	-0.27%			
<b>CAC 40</b>	3,843.10	-26.90	-0.70%			
<b>FTSE Italia</b>	21,937.89	-79.86	-0.36%			
<b>Eurofirst 300</b>	1,088.52	-3.71	-0.34%	Tuesday		

**MEMO FROM PARIS** [Unions at Critical Point as Strikes Continue](#)

BAGHDAD — Saddam Hussein's foreign minister was sentenced to death Tuesday for persecuting Shiites under the former regime.

**2010 Midterm Elections**

**Divide on U.S. Deficit Likely to Grow After Election**

**China Telecom Giant Makes Push for U.S. Market**

**Stocks, ETFs, Funds** [Go](#)

**CURRENCIES** [More Rates](#)

1 USD = 0.72 EUR =

**THE WATCH AVENUE** 

**VISIT**

INTERNATIONAL HERALD TRIBUNE © 2010 The New York Times Company. All rights reserved. The New York Times and THE NEW YORK TIMES are registered trademarks of The New York Times Company. NYTC and NYTC logo are trademarks of The New York Times Company. All other marks are property of their respective owners.

# Identification

[HOME PAGE](#) [TODAY'S PAPER](#) [VIDEO](#) [MOST POPULAR](#) [TIMES TOPICS](#) [MOST RECENT](#)

Subscribe to The Times | Log In | Register Now | TimesPeople

Download the world today 

**GLOBAL EDITION**  
**The New York Times**  
 WITH THE International Herald Tribune

Try the new IHT Reader free 

Switch to U.S. Edition  [Search](#)

**Iran Begins Loading Fuel at Nuclear Reactor**  
 By WILLIAM YONG and ALAN COWELL 4 minutes ago  
 TEHRAN — Tuesday's fuel injection moves Iran closer to the start-up of a facility that the U.S. once hoped to stop.  
 • Times Topics: Iran's Nuclear Program

**Iraq Court Sentences Tariq Aziz to Death**  
 By JACK HEALY 43 minutes ago  
 BAGHDAD — Saddam Hussein's foreign minister was sentenced to death Tuesday for persecuting Shiites under the former regime.

**China Telecom Giant Makes Push for U.S. Market**  
 By JOHN MARKOFF and DAVID BARBOZA

**MEMO FROM PARIS**  
**Unions at Critical Point as Strikes Continue**  
 By STEVEN ERLANGER  
 Ongoing demonstrations led by labor unions risk alienating some supporters, while hurting France's economy and its reputation abroad. Above, Marseille struggles with trash as sanitation crews remain on strike.

**Divide on U.S. Deficit Likely to Grow After Election**  
 By JACKIE CALMES  
 A midterm campaign that has turned on the issue of federal debt is likely to yield a government even more split over how to

**ART SPOTLIGHT** [1](#) [2](#) [3](#) [4](#)  
**Cohen: Turkey Dut**  
 Cohen: Turkey Dut  
  
 ...and the doesn't

**SCIENCE** [»](#) **Improvised Remedies of an Art Healer**  
 Because of unusual materials, modern works of art can be hard to conserve. 

**MARKETS** Data delayed at least 15 minutes 10/26/2010 7:40 AM ET  
[AMERICAS](#) [EUROPE](#) [ASIA](#) [CURRENCIES](#) [COMMODITIES](#)

	100	5,705.17	-46.81	-0.81%	FTSE 100
BRITAIN	6,621.16	-18.05	-0.27%		
FRANCE	3,843.10	-26.90	-0.70%		
ITALY	21,937.89	-79.86	-0.36%		
S&P 500	1,088.52	-3.71	-0.34%	Tuesday	

[STOCKS](#) [My Portfolios](#) [Go](#)  
[ETFs, Funds](#) [Go](#)

**CURRENCIES** [More Rates](#)  
 1 USD = 0.72 EUR

**THE WATCH AVENUE** [VISIT](#) 

[FINANCIALS](#) [TECHNOLOGY](#) [ENTERTAINMENT](#) [HEALTH CARE](#) [INDUSTRIALS](#) [MANUFACTURING](#) [TRANSPORTATION](#)

In his personal time, [Eric](#) is a List Chaperone for the very active [css-discuss](#) mailing list, enjoys a good meal whenever possible, and considers almost no type of music to be worthless. He lives in Cleveland Heights with his wife and daughters.

**Aaron Gustafson**

Aaron has been working on the web for nearly 15 years and, in that time, has cultivated a love of web standards and an in-depth knowledge of website strategy and architecture, interface design, and numerous languages (including XHTML, CSS, JavaScript, and PHP). Aaron and his wife, Kelly, own [Easy! Designs](#), a boutique web consultancy based in Chattanooga, TN. When not neck deep in code, Aaron is usually found evangelizing his findings and sharing his knowledge and passion with others in the field.

Aaron has trained professionals at *The New York Times*, Gartner, and the US Environmental Protection Agency (among others), and has presented at the world's foremost web conferences, such as An Event Apart and Web Directions. He is Group Manager of the [Web Standards Project \(WaSP\)](#) and serves as an Invited Expert to the World Wide Web Consortium's [Open Web Education Alliance \(OWEA\)](#). He created [eCSStender](#), serves as Technical Editor for [A List Apart](#), is a contributing writer for [.net Magazine](#), and has filled a small library with his technical writing and editing credits. His next book, *Adaptive Web Design: Crafting Rich Experiences with Progressive Enhancement*, is due out in early 2011.

Looking for a detailed curriculum or more information to help sell your boss on this event? [Download the HTML5 & CSS3 fact sheet](#) or view our [frequently asked questions](#). Ready to attend? [Register now](#).

©2010-2011 Retreats 4 Geeks. All Rights Reserved.  
Retreats 4 Geeks is an [Easy! Designs](#) venture.

REGISTRATION IS NOW SOLD OUT

**RETREATS 4 GEEKS**

Details   Schedule   Lodging   Location   Instructors

In his personal time, Eric also lists Chape

Events • ½ mi

About • ¾ mi

Contact • ¼ mi

**Aaron Gustafson**

Aaron has been working on the web for nearly 15 years and, in that time, has cultivated a love of web standards and an in-depth knowledge of website strategy and architecture, interface design, and numerous languages (including XHTML, CSS, JavaScript, and PHP). Aaron and his wife, Kelly, own [Easy! Designs](#), a boutique web consultancy based in Chattanooga, TN. When not neck deep in code, Aaron is usually found evangelizing his findings and sharing his knowledge and passion with others in the field.

Aaron has trained professionals at *The New York Times*, Gartner, and the US Environmental Protection Agency (among others), and has presented at the world's foremost web conferences, such as An Event Apart and Web Directions. He is Group Manager of the [Web Standards Project \(WaSP\)](#) and serves as an Invited Expert to the World Wide Web Consortium's [Open Web Education Alliance \(OWEA\)](#). He created [eCSStender](#), serves as Technical Editor for [A List Apart](#), is a contributing writer for [.net Magazine](#), and has filled a small library with his technical writing and editing credits. His next book, *Adaptive Web Design: Crafting Rich Experiences with Progressive Enhancement*, is due out in early 2011.

HTML5 & CSS3 fact sheet or view our frequently asked questions. Ready to attend? Register now.

©2010-2011 Retreats 4 Geeks. All Rights Reserved.  
Retreats 4 Geeks is an [Easy! Designs](#) venture.

Registration Sold Out

# Microformats

```
<section class="vcard">
  <figure>
    
  </figure>
  <h1 class="fn">Aaron Gustafson</h1>
  ...
  <p>Aaron ... is <b class="role">Group Manager</b> of the
    <a class="org" href="http://webstandards.org">Web
      Standards Project (WaSP)</a> ....</p>
</section>
```

**Details**   **Schedule**   **Instructors**   **Lodging**   **Location**

In his personal time, Eric also lists Chapeau as a member of the highly active [css-discuss](#) mailing list, enjoys a good meal, and loves to play golf.

**Aaron Gustafson**

Aaron has been working on the web for nearly 15 years and, in that time, has cultivated a love of web standards and an in-depth knowledge of website strategy and architecture, interface design, and web development technologies, including XHTML, CSS, JavaScript, and boutique web frameworks. He is well known for his deep interest in and sharing of knowledge in these areas.

**Aaron Gustafson**  
Web Standards Project (WaSP)  
Group Manager  
<http://easy-designs.net/>

and the US Environmental Protection Agency. He has spoken at many web conferences, such as An Event Apart and Web Directions. He is Group Manager of the [Web Standards Project \(WaSP\)](#) and serves as an Invited Expert to the World Wide Web Consortium's [Open Web Education Alliance \(OWEA\)](#). He created [eCSStender](#), serves as Technical Editor for [A List Apart](#), is a contributing writer for [.net Magazine](#), and has filled a small library with his technical writing and editing credits. His next book, *Adaptive Web Design: Crafting Rich Experiences with Progressive Enhancement*, is due out in early 2011.

[HTML5 & CSS3 fact sheet](#) or view our [frequently asked questions](#). Ready to attend? [Register now](#).

©2010-2011 Retreats 4 Geeks. All Rights Reserved.  
Retreats 4 Geeks is an [Easy! Designs](#) venture.

Registration Sold Out



"Web Design in a" xylophone

Search

# On Redirecting Mobile Traffic

Posted by [Aaron Gustafson](#) on 29 September 2011 | [Permalink](#)

While perusing the latest Costco email, I stumbled onto [a pretty sweet looking mini-greenhouse](#) and decided to click through to read more about the product. Unfortunately for me, I was on my phone and Costco is not particularly savvy about how they handle the redirection of mobile traffic to their "mobile friendly" site. Instead of landing on the product page as I should have, I was redirected to the mobile landing page.



Aaron Gustafson

Aaron has been working on the web for nearly 15 years and, in that time, has cultivated a love of web standards and an in-depth knowledge of website strategy and architecture, interface design, and numerous languages (including XHTML, CSS, JavaScript, and PHP).

[See all of Aaron Gustafson's posts](#)

[Subscribe to Aaron Gustafson's posts](#)

Filed under

[Programming](#)

Tagged

[business](#), [mobile](#), and [usability](#)

# Microformats

```
<body class="hentry">
  <h1 class="entry-title">
    {exp:typogrify}{title}{/exp:typogrify}
  </h1>
  <h3 class="author vcard">Posted by
    <a class="fn" href="/archives/by-author/{username}"/>
    {author}</a> on
    <time class="updated"
      datetime="{entry_date format='%Y-%m-%dT%H:%i:%s'}"
      pubdate="pupdate">{entry_date format='%d %F %Y'}
    </time>
    <a rel="bookmark" href="{the_permalink}">Permalink</a></h3>
  </h3>
  <div class="entry-content">
    {exp:typogrify}{entry_body}{/exp:typogrify}
  </div>
</body>
```

## On Redirecting Mobile Traffic

by AARON GUSTAFSON • SEPT. 29, 2011

READ LATER

While perusing the latest Costco email, I stumbled onto a pretty sweet looking **mini-greenhouse** and decided to click through to read more about the product. Unfortunately for me, I was on my phone and Costco is not particularly savvy about how they handle the redirection of mobile traffic to their “mobile friendly” site. Instead of landing on the product page as I should have, I was redirected to the mobile landing page.



Now I am not completely sold on the need for creating (and maintaining) an  
MOBILE version of your website just for the need for creating (and maintaining) an

# EE/CI helpers

CI Microformats (helper)

*hcard, rel-license*

<http://codeigniter.com/wiki/microformats>

VZ Address (fieldtype)

*hcard*

[https://github.com/elivz/vz\\_address.eeAddon](https://github.com/elivz/vz_address.eeAddon)

Easy Figures (plug-in)

*figure*

[https://github.com/easy-designs/easy\\_figures.eeaddon](https://github.com/easy-designs/easy_figures.eeaddon)

# Design

# Parsing errors

```
p {  
    color: red;  
}
```

# Parsing errors



# Parsing errors

```
p {  
    color: red;  
    font-weight: bold;  
}
```

# Parsing errors



# Parsing errors

```
p {  
  color: #ccc;  
  color: rgba( 0, 0, 0, .5 );  
}
```

# Parsing errors

```
html[lang] p {  
  color: #ccc;  
  color: rgba( 0, 0, 0, .5 );  
}
```

# Parsing errors

```
@-moz-document url-prefix() {  
    html[lang] p {  
        color: #ccc;  
        color: rgba( 0, 0, 0, .5 );  
    }  
}
```

```
#intro {
    /* Basic Layout */
}

/* ... */

body[id=css-zen-garden] #intro {
    /* Advanced Layout */
}
```

**CSS ZEN GARDEN**  
FOCUSING THE MIND... "BY DESIGN"

**the road to enlightenment**

Untiring a dark and dreary road lay the past  
relics of browser-specific tags, incompatible DOCTYPEs,  
and broken CSS support.

Today, we must clear the mind of past practices.  
Web enlightenment has been achieved thanks to  
the tireless efforts of folk like the W3C, WebP and  
the major browser creators.

The CSS Zen Garden invites you to relax and  
meditate on the important lessons of the masters.  
Begin to see with clarity. Learn to use the (yet to  
be) time-honored techniques in new and  
innovating fashion. Become one with the web.

**SO WHAT IS THIS ABOUT?**

There is clearly a need for CSS to be taken  
seriously by graphic artists. The Zen Garden aims  
to excite, inspire, and encourage participation. To  
begin, view some of the existing designs in the list.  
Clicking on any one will load the style sheet into this  
very page. The code remains the same, the only thing  
that has changed is the external.css file. Yes, really.

CSS allows complete and total control over the style  
of a hypertext document. The only way this can be  
illustrated in a way that gets people excited is by  
demonstrating what it can truly be, once the reins are  
placed in the hands of those able to create beauty  
from structure. To date, most examples of neat tricks  
and hacks have been demonstrated by structureheads  
and coders. Designers have yet to make their mark.  
This needs to change.

**PARTICIPATION**

Graphic artists only please. You are modifying this  
page, so strong CSS skills are necessary, but the  
examples that are commented well enough that even  
CSS novices can use them as starting points. Please  
see the [CSS Resource Guide](#) for advanced tutorials  
and tips on working with CSS.

You may modify the style sheet in any way you wish,  
but not the HTML. This may seem daunting at first if  
you've never worked this way before, but follow the  
linked links to learn more, and use the sample files  
as a guide.

Download the sample [index.html](#) and [css.css](#) to work on  
a copy locally. Once you have completed your  
masterpiece (and please, don't submit half-finished work)  
upload your .css file to a web server under your  
control. [Send us a link](#) to the file and if we choose to  
use it, we will spider the associated images. Final  
submissions will be placed on our server.

**BENEFITS**

Why participate? For recognition, inspiration, and a  
resource we can all refer to when making the case for  
CSS-based design. This is surely needed, even  
today. More and more major sites are taking the leap,  
but not enough have. One day this gallery will be a  
historical curiosity; that day is not today.

**REQUIREMENTS**

We would like to see as much CSS1 as possible.  
CSS2 should be limited to widely-supported  
elements only. The CSS Zen Garden is about  
functional, practical CSS and not the latest bleeding-  
edge tricks viewable by 2% of the browsing public.  
The only real requirement we have is that your CSS  
validates.

Unfortunately, designing this way highlights the flaws  
in the various implementations of CSS. Different  
browsers display differently, even completely valid  
CSS at times, and this becomes maddening when a  
fix for one leads to breakage in another. View the  
[Resources](#) page for information on some of the fixes  
available. Full browser compliance is still sometimes  
a pipe dream, and we do not expect you to come up  
with pixel-perfect code across every platform. But do  
test as many as you can. If your design doesn't  
work in at least IE5-Vista and Mozilla (run by over 90%  
of the population), chances are we won't accept it.

© 2002 Brad Frost without editorial permission. [Dissent](#)

more information, contribute, buy me a beer, receive free personal consultation

```
#intro { /* Basic Layout */
}

/* ... */

[foo], #intro { /* Advanced Layout */
}
```

**zen Garden**

**the road to enlightenment**

Untiring a dark and dreary road lay the past  
relics of browser-specific tags, incompatible DOCTYPEs,  
and broken CSS support.

Today, we must clear the mind of past practices.  
Web enlightenment has been achieved thanks to the  
tireless efforts of folk like the W3C, WebP and  
the major browser creators.

CSS allows complete and total control over the style  
of a hypertext document. The only way this can be  
illustrated in a way that gets people excited is by  
demonstrating what it can truly be, once the reins are  
placed in the hands of those able to create  
beauty from structure. To date, most examples of neat tricks  
and hacks have been demonstrated by structureheads  
and coders. Designers have yet to make their mark.  
This needs to change.

**SO WHAT IS THIS ABOUT?**

There is clearly a need for CSS to be taken  
seriously by graphic artists. The Zen Garden aims  
to excite, inspire, and encourage participation. To  
begin, view some of the existing designs in the list.  
Clicking on any one will load the style sheet into this  
very page. The code remains the same, the only thing that has  
changed is the external.css file. Yes, really.

CSS allows complete and total control over the style  
of a hypertext document. The only way this can be  
illustrated in a way that gets people excited is by  
demonstrating what it can truly be, once the reins are  
placed in the hands of those able to create  
beauty from structure. To date, most examples of neat tricks  
and hacks have been demonstrated by structureheads  
and coders. Designers have yet to make their mark.  
This needs to change.

**participation**

**dutchcatt**

zen Garden

Under the Seat by Eric Bacht

Make You Pretty by Michael McAndrew and Scott Rothwell

Orchid Beauty by Kevin Addison

Oceanscape by Justin Gray

CSS Cat, Ltd. by Jennifer Klimo

Sakura by Tatjana Uhlrich

Katja Forest by John Polson

A Walk in the Garden by Simon Van Beurden

# Parsing errors

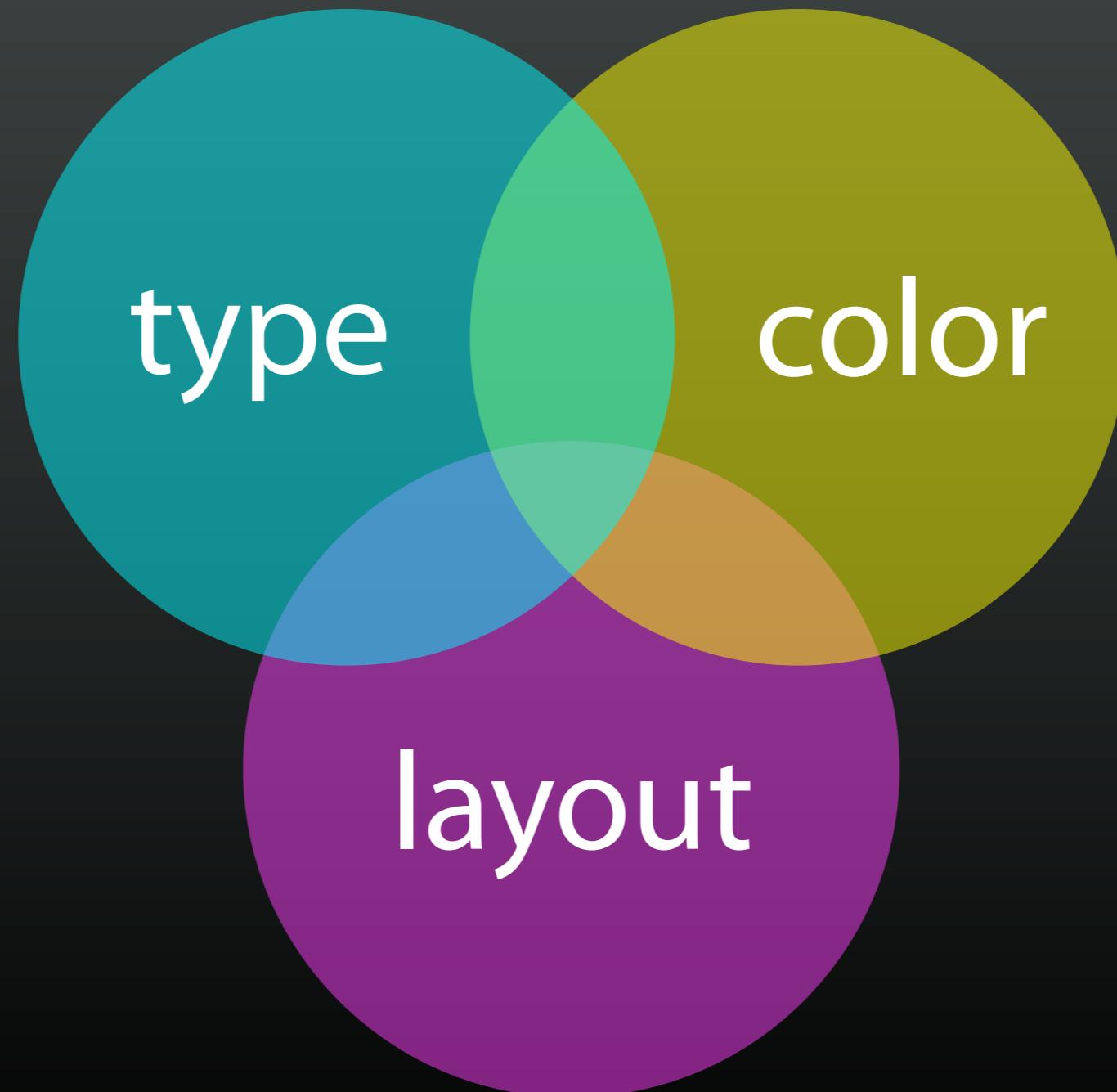
```
@import 'not-for-IE7-or-below.css' screen;  
  
@media screen, print, refrigerator {  
    /* IE will get these rules */  
}
```

# Organization



design

# Organization



# Organization

```
/* =Typography */
img {
  display: block;
}

/* =Layout */
@media screen {
  .frame .inner {
    border: 10px solid;
  }
}

/* =Color */
.frame .inner {
  background-color: rgb(227, 222, 215);
  border-color: rgb(227, 222, 215);
}
```

# Organization

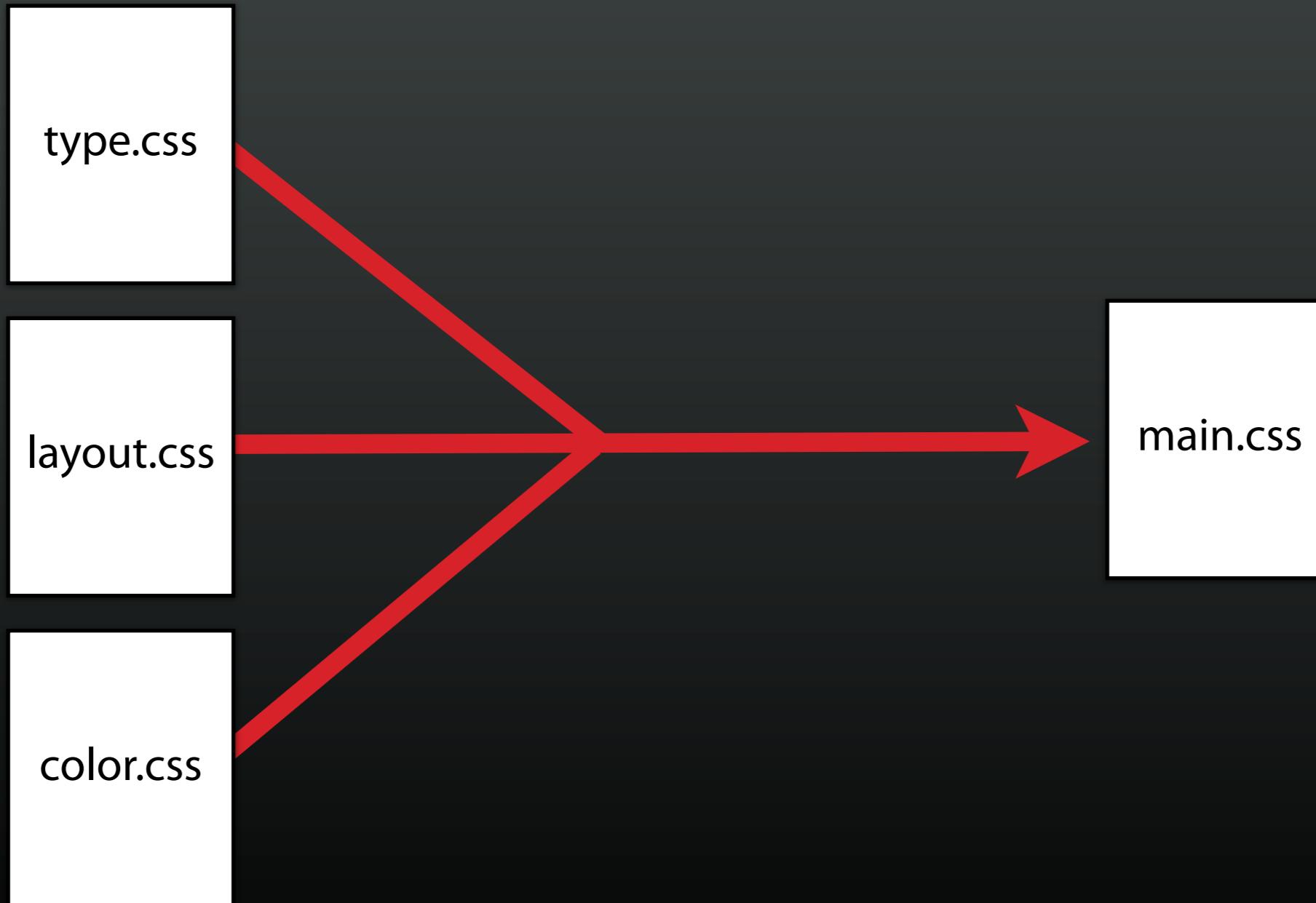


type.css

layout.css

color.css

# Organization



# Organization

```
# Setup
RewriteEngine on
RewriteBase /

# rewrite css, img & js
RewriteRule ^css\/(.*)\.css$ /styles/$1 [L]
```

# Organization

```
{embed="styles/typography"}  
  
 @media screen {  
   {embed="styles/layout-screen"}  
 }  
  
{embed="styles/color"}
```

# Organization

```
{embed="styles/reset"}  
{embed="styles/typography"}  
  
@media screen {  
    {embed="styles/layout-screen"}  
}  
  
@media print {  
    {embed="styles/layout-print"}  
}  
  
{embed="styles/color"}  
{embed="styles/effects"}
```

# Mobile-first

```
{embed="styles/reset"}  
{embed="styles/typography"}  
  
@media screen {  
    {embed="styles/layout-mobile"}  
}  
  
{embed="styles/layout-tablet"}  
  
@media screen and (min-width:860px) {  
    {embed="styles/layout-screen"}  
}  
  
@media print {  
    {embed="styles/layout-print"}  
}  
  
{embed="styles/color"}  
{embed="styles/effects"}
```

# Mobile-first

```
{embed="styles/reset"}  
{embed="styles/typography"}  
  
@media screen {  
    {embed="styles/layout-mobile"}  
}  
  
{embed="styles/layout-tablet"}  
  
@media screen and (min-width:860px) {  
    {embed="styles/layout-screen"}  
}  
  
@media print {  
    {embed="styles/layout-print"}  
}  
  
{embed="styles/color"}  
{embed="styles/effects"}
```

# Mobile-first

```
@media screen and (min-width:481px) {  
  /* ... */  
}  
  
@media screen and (min-width:570px) {  
  /* ... */  
}  
  
@media screen and (min-width:650px) {  
  /* ... */  
}  
  
@media screen and (min-width:700px) {  
  /* ... */  
}
```

## On Redirecting Mobile Traffic

Posted by [Aaron Gustafson](#) on 29 September 2011 |  
[Permalink](#)

While perusing the latest Costco email, I stumbled onto [a pretty sweet looking mini-greenhouse](#) and decided to click through to read more about the product. Unfortunately for me, I was on my phone and Costco is not particularly savvy about how they handle the redirection of mobile traffic to their “mobile friendly” site. Instead of landing on the product page as I should have, I was redirected to the mobile landing page.



Now I am not completely sold on the need for creating (and maintaining) an independent mobile version of every website; sometimes it makes sense, but other times it's overkill. That



## On Redirecting Mobile Traffic

Posted by [Aaron Gustafson](#) on 29 September 2011 | [Permalink](#)

While perusing the latest Costco email, I stumbled onto [a pretty sweet looking mini-greenhouse](#) and decided to click through to read more about the product. Unfortunately for me, I was on my phone and Costco is not particularly savvy about how they handle the redirection of mobile traffic to their “mobile friendly” site. Instead of landing on the product page as I should have, I was redirected to the mobile landing page.



## On Redirecting Mobile Traffic

Posted by [Aaron Gustafson](#) on 29 September 2011 | [Permalink](#)

While perusing the latest Costco email, I stumbled onto [a pretty sweet looking mini-greenhouse](#) and decided to click through to read more about the product. Unfortunately for me, I was on my phone and Costco is not particularly savvy about how they handle the redirection of mobile traffic to their “mobile friendly” site. Instead of landing on the product page as I should have, I was redirected to the mobile landing page.



Aaron Gustafson

Aaron has been working on the web for nearly 15 years and, in that time, has cultivated a love of web standards and an in-depth knowledge of website strategy and architecture, interface design, and numerous languages (including XHTML, CSS, JavaScript, and PHP).

[See all of Aaron Gustafson's posts](#)

[Subscribe to Aaron Gustafson's posts](#) 

Filed under

[Programming](#)

Tagged

[business](#), [mobile](#), and [usability](#)

# On Redirecting Mobile Traffic

Posted by [Aaron Gustafson](#) on 29 September 2011 | [Permalink](#)

While perusing the latest Costco email, I stumbled onto [a pretty sweet looking mini-greenhouse](#) and decided to click through to read more about the product. Unfortunately for me, I was on my phone and Costco is not particularly savvy about how they handle the redirection of mobile traffic to their "mobile friendly" site. Instead of landing on the product page as I should have, I was redirected to the mobile landing page.



Aaron Gustafson

Aaron has been working on the web for nearly 15 years and, in that time, has cultivated a love of web standards and an in-depth knowledge of website strategy and architecture, interface design, and numerous languages (including XHTML, CSS, JavaScript, and PHP).

[See all of Aaron Gustafson's posts](#)

[Subscribe to Aaron Gustafson's posts](#) 

Filed under

[Programming](#)

Tagged

[business](#), [mobile](#), and [usability](#)

# Monkey-patching

```
<link rel="stylesheet" href="main.css"/>
<!--[if IE 9]><link rel="stylesheet" href="ie9.css"/><![endif]-->
<!--[if lte IE 8]><link rel="stylesheet" href="ie8.css"/><![endif]-->
<!--[if lte IE 7]><link rel="stylesheet" href="ie7.css"/><![endif]-->
<!--[if lte IE 6]><link rel="stylesheet" href="ie6.css"/><![endif]-->
```

# Monkey-patching

```
@-moz-document url-prefix() {  
  
    /* GENERATED CONTENT - FF3 doesn't allow positioning */  
    #extra-mile:before {  
        content: '';  
    }  
    #extra-mile:first-of-type:before {  
        content: url(extra-mile-sign.png);  
    }  
}
```

# Interactivity

UNOBTRUSIVE JAVASCRIPT

# Sins of our past

```
<a href="javascript:someFunction();">some text</a>
```

```
<a href="javascript:void(null);"  
    onclick="someFunction();">some text</a>
```

```
<a href="#" onclick="someFunction();">some text</a>
```

# A minor improvement

```
<a href="http://offsite.com"  
    onclick="newWin( this.href ); return false;">  
some text</a>
```



Photo credit: Giando

# Event listeners

```
window.onload = handleExternalLinks;

function handleExternalLinks()
{
    var server = document.location.hostname;
    var anchors = document.getElementsByTagName("a");
    var i, href;
    for( i=0; i < anchors.length; i++ )
    {
        href = anchors[i].href;
        if ( href.indexOf("http://" + server) == -1 &&
            href.indexOf("https://" + server) == -1 )
        {
            // HREF is not a file on my server
            anchors[i].onclick = function()
            {
                newWin( this.href );
            };
        }
    }
}
```



# Listen and delegate

```
document
  .getElementsByTagName( 'body' )[0]
    .onclick = clickDelegator;

function clickDelegator( e )
{
  e = ( e ) ? e : event;
  var el = e.target || e.srcElement;
  // external links
  if ( el.nodeName.toLowerCase() == 'a' &&
      el.getAttribute( 'rel' ) == 'external' )
  {
    newWin( el.href );
  }
}
```

All code needed to understand  
& use a page must exist before  
any scripts run



Lala is an online music service where you can listen, upload, ipod sync, trade, and buy music. Unfortunately it requires javascript si Loading.. at major websites on the internet.

**LALA.COM**

**my music**

**discover**

**trade**

**buy**

[home](#) | [forums](#) | [help](#) | [signin](#)

Search

Lala is an online music service where you can listen, upload, ipod sync, trade, and buy music. Unfortunately it requires javascript si Loading... at major websites on the internet.

**LALA.COM**

my music

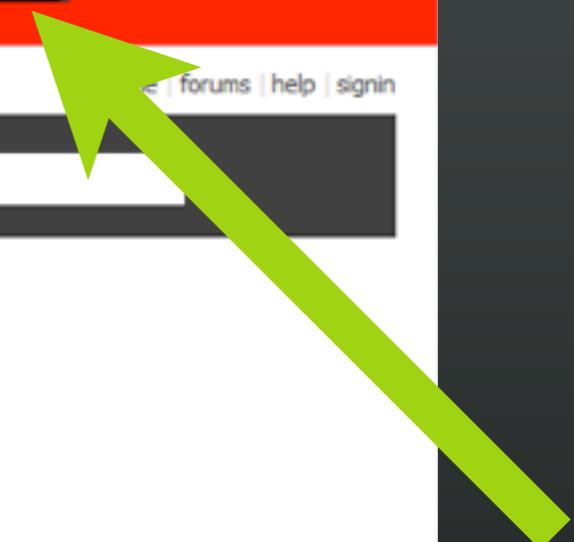
discover

trade

buy

< forums | help | signin

Search



# lifehacker

TOP STORY



SEARCH

LATEST

LOGIN



3. Our social plugins now protect your privacy. We hadn't really thought about the fact that every time a script is included from Twitter or Facebook, that can be used to track your movement around the web. Once we realized it though, we decided we needed to change our social links to protect you. As such, we've changed the links to work without JavaScript and using images delivered by servers we control. [Google+](#) has been dropped for the time being as they do not seem to offer a consistent destination URL for their +1 service. If they change that or someone can tell us what it is, we'll likely bring it back.
4. Better support for services like [Readability](#). We want you to be comfortable reading our content; if you don't like our layout, that's fine with us.

What do you think? Did we miss anything that would make your reading experience better on this blog?

PS - If you're interested, I'll be giving [a full-day Adaptive Web Design workshop in Amsterdam on 29 November 2011](#), during which I will be discussing these topics and more in much greater depth and mentoring attendees on how to craft truly rich web experiences with progressive enhancement. Tickets are available [on EventBrite](#).

## Like it? Share it



[View comments on this entry and add your own](#)



### Who are these people?

We are the people that power [Easy Designs](#), a content-focused web development consultancy. We live to improve the usability, accessibility, "findability," and interoperability of the web through the use of web standards, progressive enhancement, and other best practices. This is our blog.

Goldilocks is a registered trademark of Easy Designs, Inc.

### Like what you are reading?



Like it? Share it

 Tweet

 Like

 Share

## Comments

No comments have been left on this entry.

## Post a Comment

Welcome back, Aaron Gustafson.

Comments\*



Notify me of follow-up comments?

 Submit



# Anchor-include pattern

```
<a data-replace="/comments/{url_title}/"
    href="/archives/{entry_date format='%Y/%m/%d'}/{url_title}/
    comments/#comments">View comments on this entry and add your
own</a>
```

```
{if segment_4=="comments"}
  <section id="comments" class="focal">
    {embed="inc/.comments" url_title="{url_title}"}
  </section>
{if:else}
  {comment_loader}
{/if}
```

# Anchor-include pattern

```
{embed="inc/.comments" url_title="{segment_3}"}

---


```

# Anchor-include pattern

<https://gist.github.com/b976b67e88ffbf9f125>

```
$.fn.ajaxInclude = function(){
    return this.each(function() {
        var $el          = $( this ),
            target       = $el.data( 'target' ),
            $targetEL     = target && $( target ) || $el,
            methods      = [ 'append', 'replace', 'before', 'after' ],
            ml           = methods.length,
            method,
            url;
        while ( ml-- ) {
            method   = methods[ ml ];
            if ( $el.is( '[data-' + method + ']' ) ) {
                url      = $el.data( method );
                break;
            }
        }
        if ( method == 'replace' ) { method += 'With'; }
        if ( url && method ) {
            $.get( url, function( data ){
                $el.trigger( 'ajaxInclude', [$targetEL, data] );
                $targetEL[ method ]( data );
            });
        }
    });
};
```

# Anchor-include pattern

Replace:

```
<a data-replace="articles/latest/fragment"  
    href="...>Latest Articles</a>
```

Before:

```
<a data-before="articles/latest/fragment"  
    href="...>Latest Articles</a>
```

After:

```
<a data-after="articles/latest/fragment"  
    href="...>Latest Articles</a>
```

# Anchor-include pattern

```
$("[data-append],[data-replace]," +  
  "[data-after],[data-before]").ajaxInclude();
```

# Media Queries

The image shows three versions of the 'Retreats 4 Geeks' website side-by-side, illustrating progressive enhancement and media queries.

- Mobile View (iPhone 4):** The layout is compact, featuring a large 'Join us for HTML5 & CSS3' header, a main image of a mountain landscape, and a detailed schedule table at the bottom.
- Desktop View:** This is the original design shown in the first two screenshots. It includes a navigation bar with 'Details', 'Schedule', 'Instructors', 'Lodging', and 'Location'. The main content area features a large tree trunk graphic with a heart-shaped sign that says 'RETREATS 4 GEEKS'. Below the tree are three red callout boxes: 'EVENTS • 16 mi', 'ABOUT • 16 mi', and 'CONTACT • 16 mi'. The schedule table is also present here.
- Laptop View:** The layout is identical to the desktop view but is displayed on a larger screen, showing more of the surrounding environment and the 'Retreat Sold Out' sign mentioned in the text.

**Text from the website:**

This Spring, Retreats 4 Geeks is proud to present three days of HTML5 & CSS3 training from Eric Meyer and Aaron Gustafson.

8-10 April 2011 • Gatlinburg, TN

If you're the kind of person who finds conference sessions inspiring, but leave feeling like you didn't learn any practical skills, look no further. Our retreats are focused on arming you with the information you need to build incredible websites.

- Top notch training: Retreats are comprised of 2 full days of in-depth workshops, one day of hands-on mentoring, and lots of lively discussions outside of the classroom.
- Get the attention you deserve: Our retreats offer an intimate classroom setting you won't get anywhere else because we cap our class sizes at 20 students.
- Learn from the experts: With more than 32 years of combined experience on the web, CSS grand master Eric Meyer and the Web Standards Project's Aaron Gustafson know how to teach. They also understand HTML5 & CSS3 like few others.
- Includes everything but airfare: You're here to learn, not to worry about where you'll stay, how you'll get to the event and where you'll eat each day. This retreat includes 4 nights of lodging plus gourmet, home-cooked organic meals & snacks each day.
- A fantastic location: Clearing your mind is the first step to learning, so we look for relaxing environments in which to host our events. And what could be better than a luxury lodge nestled in the middle of the Great Smoky Mountains?

Looking for a detailed curriculum or more information to help sell your boss on this event? [Download the HTML5 & CSS3 fact sheet](#) or view our frequently asked questions. Ready to attend? [Register now](#).

Sponsored in part by:

- New Riders
- O'REILLY
- WILEY

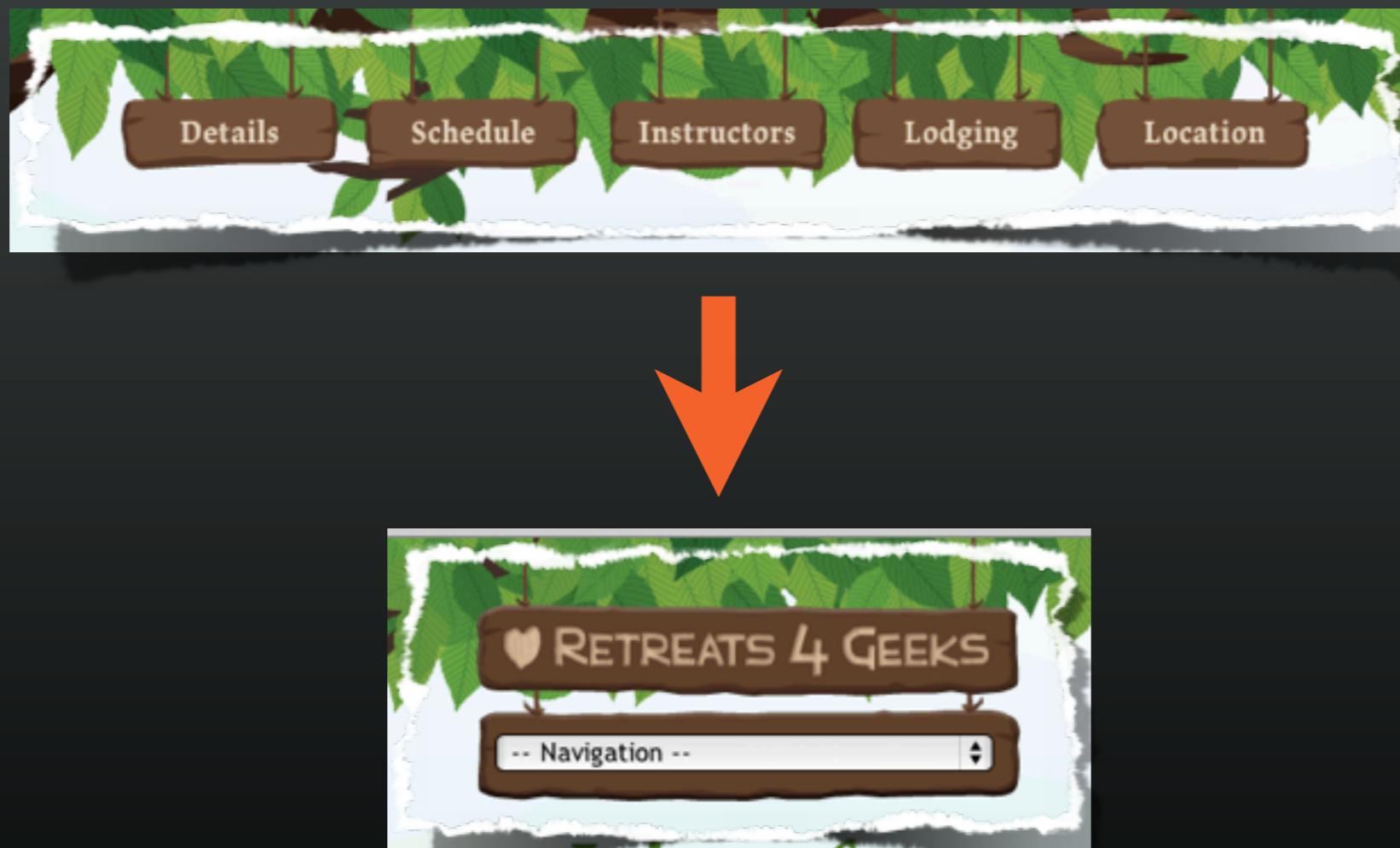
**3 Days, Countless Lessons**

Below is the schedule for the retreat itself. [Skip ahead](#) for information on arrival and departure dates.

8 April	9 April	10 April
HTML5	CSS3	Mentoring
Aaron Gustafson	Eric Meyer	Aaron Gustafson & Eric Meyer
8:30 AM	Breakfast	Mentoring
9:00-11:00 AM	Selectors	
10:30-11:00 AM	Break	
11:00-12:00 PM	Audio & Video	Backgrounds & Borders
12:00-1:00 PM		Grids
1:00-2:00 PM		Positioning & Layout
2:00-3:00 PM		Flexbox
3:00-4:00 PM		Performance & Optimizations

©2010 Retreats 4 Geeks. All Rights Reserved.  
Retreats 4 Geeks is an [Easy! Designs](#) venture.

# Mobile interfaces



# Swapping content

```
var trigger = 659;  
  
// ...  
  
function toggleDisplay()  
{  
    var width = $window.width();  
    if ( showing == 'old' &&  
        width <= trigger )  
    {  
        $old_nav.replaceWith($new_nav);  
        showing = 'new';  
    }  
    else if ( showing == 'new' &&  
              width > trigger )  
    {  
        $new_nav.replaceWith($old_nav);  
        showing = 'old';  
    }  
}
```

# Accessibility

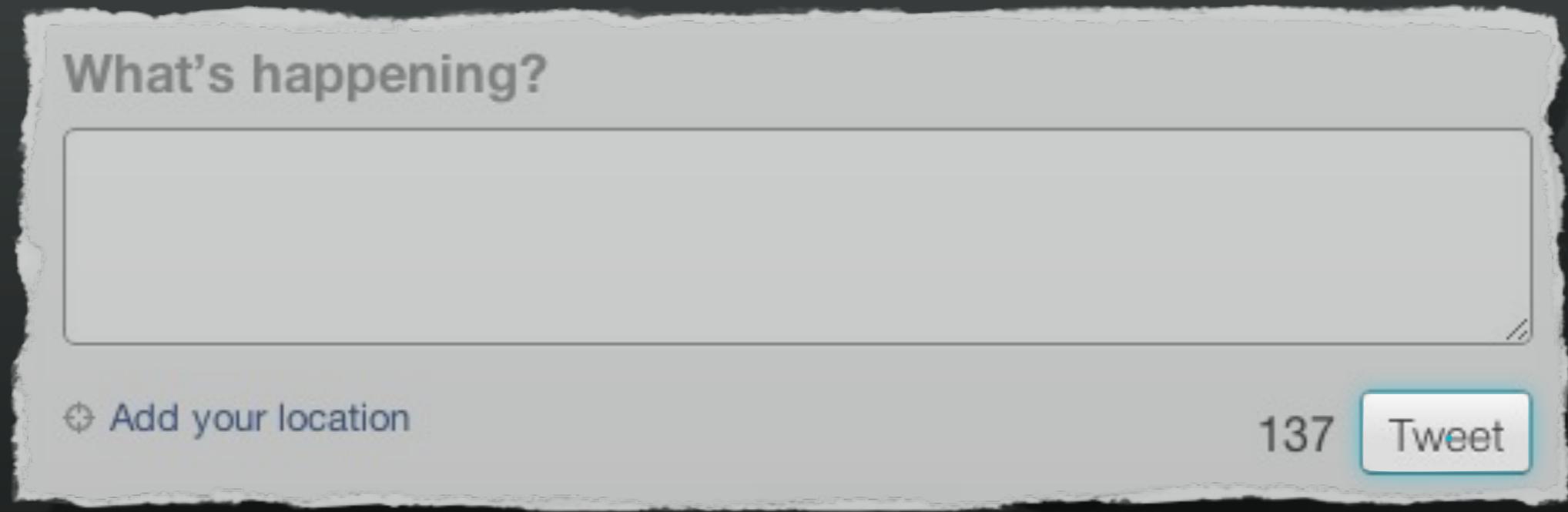
衆瞽  
摸象之圖



# What is it?

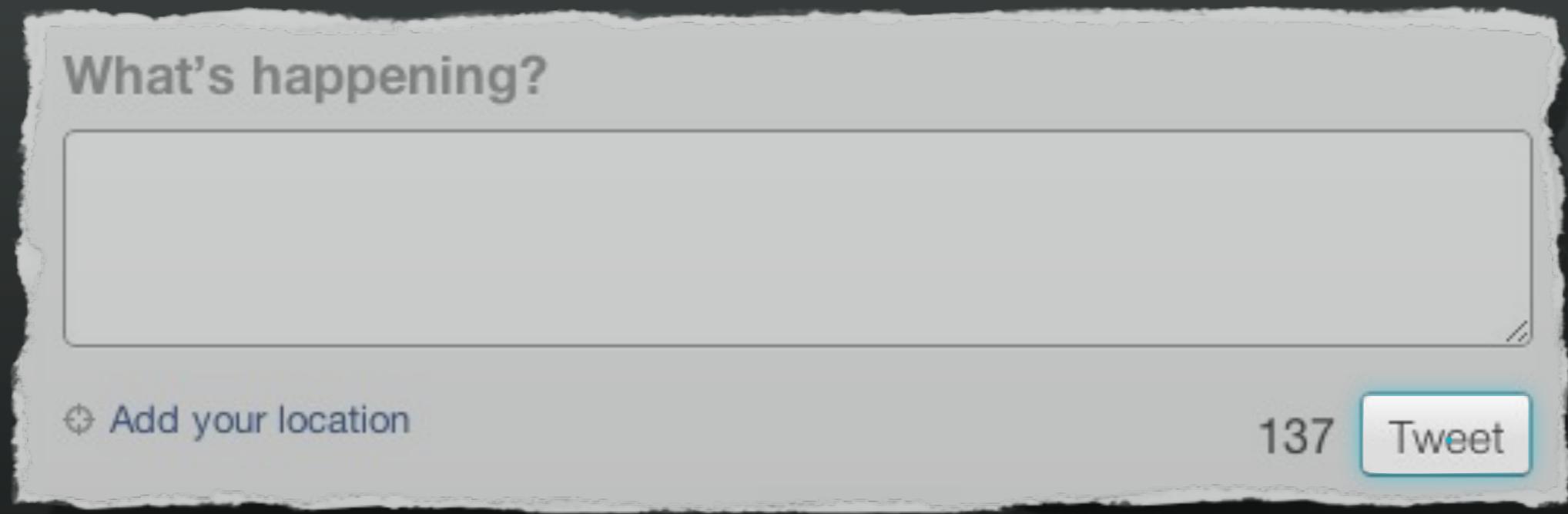


# What is it?



```
<button>Tweet</button>
```

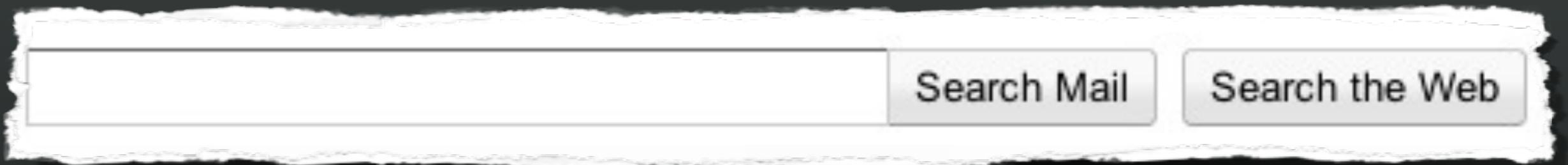
# What is it?



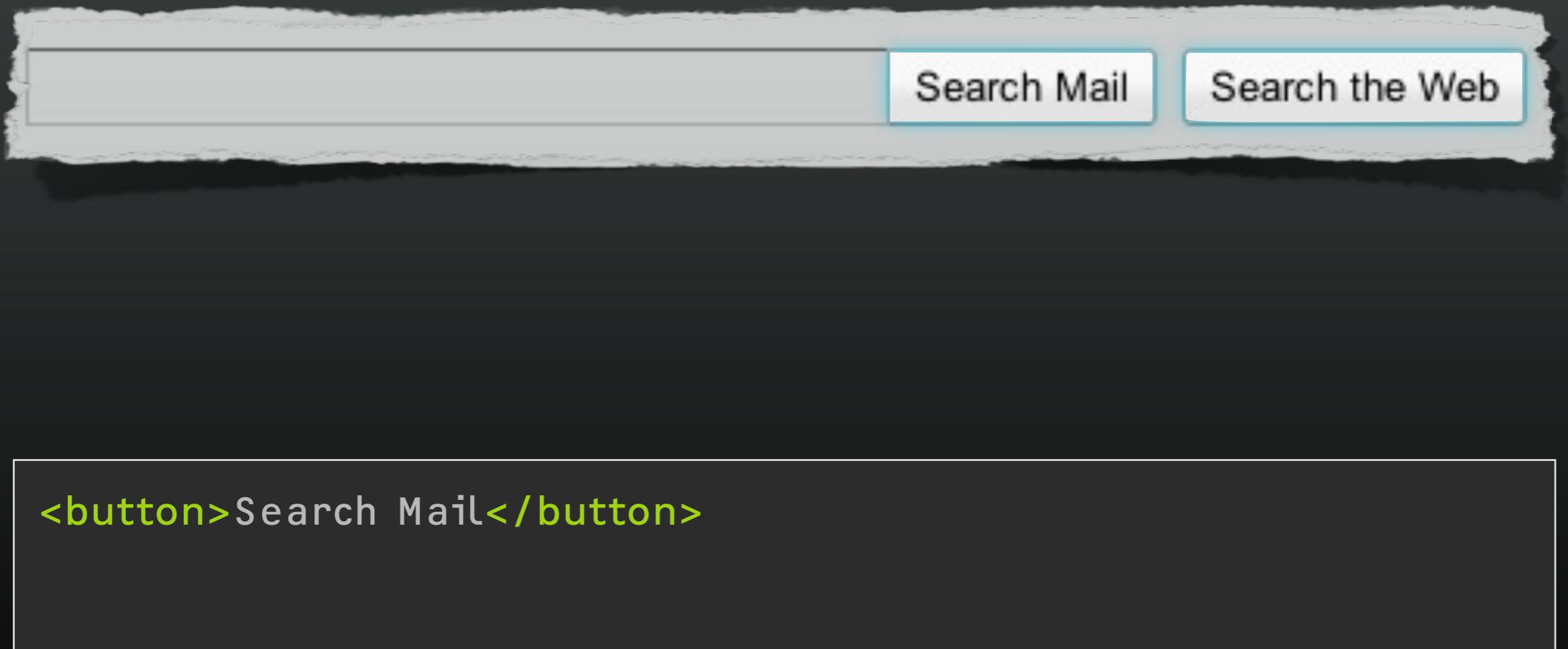
```
<button>Tweet</button>
```

```
<a class="button">Tweet</a>
```

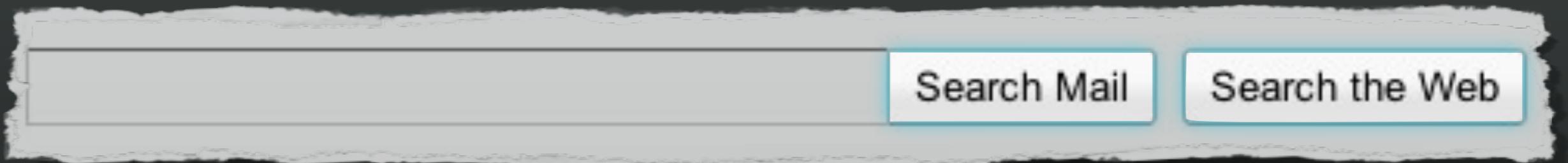
# What is it?



# What is it?



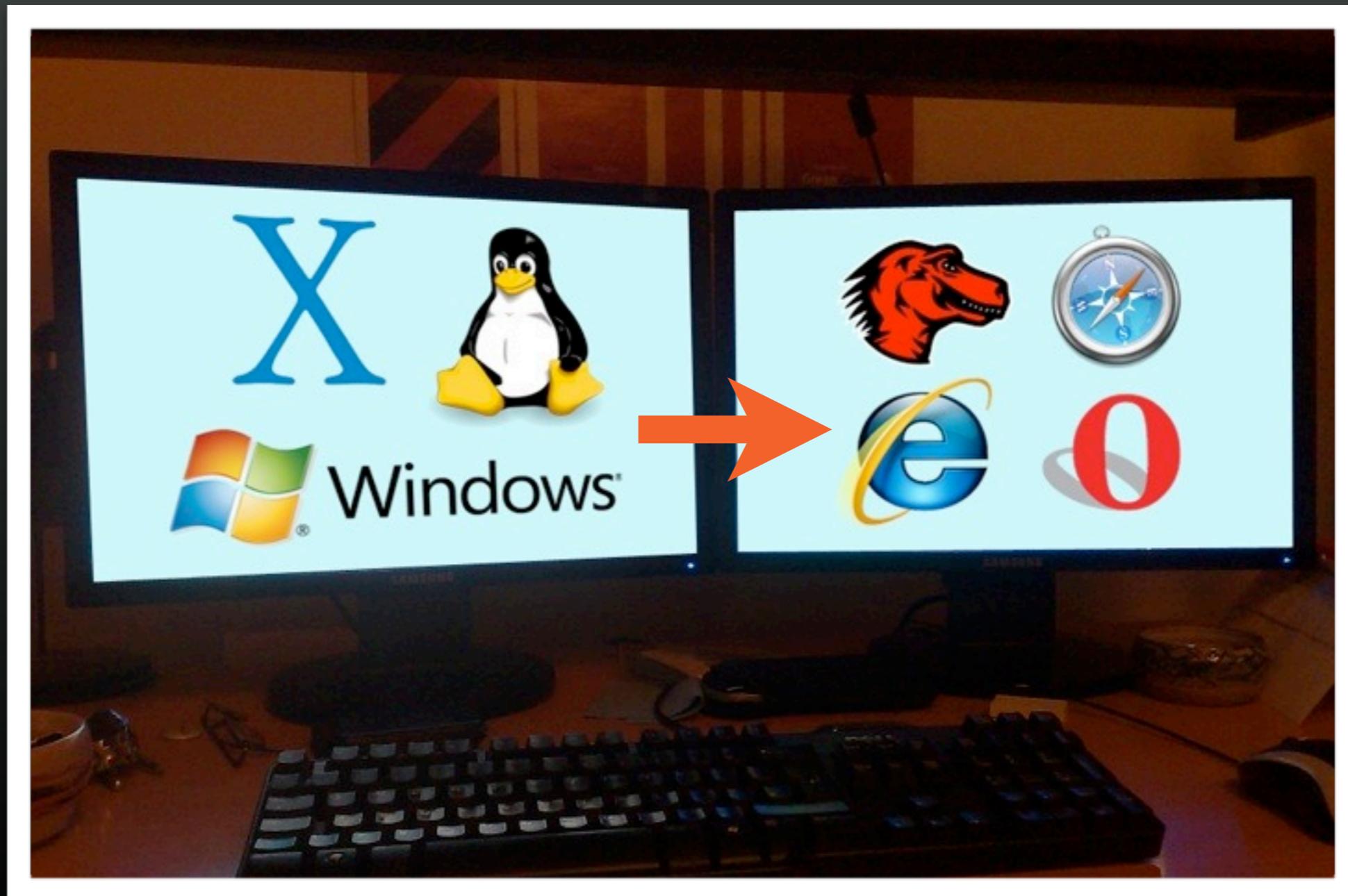
# What is it?



```
<button>Search Mail</button>
```

```
<div>Search Mail</div>
```

# ARIA maps the OS to the web



# Semantics+

# All the web's a play...

```
<section id="main" role="main">  
  <!-- The primary content for the page would go here -->  
</section>
```

[HOME PAGE](#)
[TODAY'S PAPER](#)
[VIDEO](#)
[MOST POPULAR](#)
[TIMES TOPICS](#)
[MOST RECENT](#)

[Subscribe to The Times](#)
[Log In](#)
[Register Now](#)
[TimesPeople](#)

**Download the world today**



**GLOBAL EDITION**

# The New York Times

WITH THE International Herald Tribune

Tuesday, October 26, 2010 - Last Update: **7:11 AM ET** (11:11 GMT)

 [Subscribe to Home Delivery](#) | [Personalize Your Weather](#)

[Switch to U.S. Edition](#)

**GLOBAL EDITION**

**WORLD**

- Asia
- Europe
- Middle East
- Africa
- Americas
- U.S.

**BUSINESS**

**SPORTS**

**FASHION & STYLE**

**ARTS**

**OPINION**

**EDUCATION**

**GREAT HOMES**

**TRAVEL**

**TECHNOLOGY**

**SCIENCE**

**HEALTH**

**N.Y./REGION**

**DINING & WINE**

**HOME & GARDEN**

**BOOKS**

**MOVIES**

## Iran Begins Loading Fuel at Nuclear Reactor

By WILLIAM YONG and ALAN COWELL 4 minutes ago

TEHRAN — Tuesday's fuel injection moves Iran closer to the start-up of a facility that the U.S. once hoped to stop.

• [Times Topics: Iran's Nuclear Program](#)

## Iraq Court Sentences Tariq Aziz to Death

By JACK HEALY 43 minutes ago

BAGHDAD — Saddam Hussein's foreign minister was sentenced to death Tuesday for persecuting Shiites under the former regime.

## China Telecom Giant Makes Push for U.S. Market

By JOHN MARKOFF and DAVID BARBOZA

**GLOBAL SPOTLIGHT**

**OPINION »** [Roger Cohen: Turkey Steps Out](#)

Ankara applies Western ideas and the West doesn't like it.



**SCIENCE »** [Improvised Remedies of an Art Healer](#)

Because of unusual materials, modern works of art can be hard to conserve.



**MEMO FROM PARIS**

## Unions at Critical Point as Strikes Continue

By STEVEN ERLANGER

Ongoing demonstrations led by labor unions risk alienating some supporters, while hurting France's economy and its reputation abroad. Above, Marseille struggles with trash as sanitation crews remain on strike.

### 2010 Midterm Elections

## Divide on U.S. Deficit Likely to Grow After Election

By JACKIE CALMES

A midterm campaign that has turned on the issue of federal debt is likely to yield a government even more split over how to

**MARKETS** Data delayed at least 15 minutes 10/26/2010 7:40 AM ET

	U.S.	AMERICAS	EUROPE	ASIA	CURRENCIES	COMMODITIES
<b>FTSE 100</b>		5,705.17	-46.81	-0.81%		FTSE 100 BRITAIN
<b>DAX</b>		6,621.16	-18.05	-0.27%		
<b>CAC 40</b>		3,843.10	-26.90	-0.70%		
<b>FTSE Italia</b>		21,937.89	-79.86	-0.36%		
<b>Eurofirst 300</b>		1,088.52	-3.71	-0.34%		Tuesday

**GET QUOTES** [My Portfolios](#) [Stock, ETFs, Funds](#) [Go](#)

**CURRENCIES** [More Rates](#)

1 USD = 0.72 EUR

**THE WATCH AVENUE** [VISIT](#)



Download  
the world  
today



Switch to  
U.S. Edition ,

**GLOBAL EDITION**

WORLD

Asia  
Europe  
Middle East  
Africa  
Americas

U.S.

BUSINESS

SPORTS

FASHION &

STYLE

ARTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

GARDEN

BOOKS

MOVIES

PICTURES

VIDEOS

PODCASTS

OPINION

EDUCATION

GREAT HOMES

TRAVEL

TECHNOLOGY

SCIENCE

HEALTH

N.Y./REGION

DINING &

WINE

HOME &

[HOME PAGE](#)[TODAY'S PAPER](#)[VIDEO](#)[MOST POPULAR](#)[TIMES TOPICS](#)[MOST RECENT](#)[Subscribe to The Times](#) | [Log In](#) | [Register Now](#) | [TimesPeople](#)

Download  
the world  
today



# GLOBAL EDITION

# The New York Times

WITH THE International Herald Tribune

Try the new  
IHT Reader free



International Herald Tribune  
**ihtreader**

[Search](#)

Tuesday, October 26, 2010 - Last Update: 7:11 AM ET (11:11 GMT)

[Subscribe to Home Delivery](#) | [Personalize Your Weather](#)[Switch to  
U.S. Edition](#)**GLOBAL EDITION****WORLD**

Asia

Europe

Middle East

Africa

Americas

U.S.

**BUSINESS****SPORTS****FASHION & STYLE****ARTS****OPINION****EDUCATION****GREAT HOMES****TRAVEL****TECHNOLOGY****SCIENCE****HEALTH****N.Y./REGION****DINING & WINE****HOME & GARDEN****BOOKS****MOVIES****MUSIC****BOOKS**

## Iran Begins Loading Fuel at Nuclear Reactor

By WILLIAM YONG and ALAN COWELL 4 minutes ago

TEHRAN — Tuesday's fuel injection moves Iran closer to the start-up of a facility that the U.S. once hoped to stop.

• [Times Topics: Iran's Nuclear Program](#)

## Iraq Court Sentences Tariq Aziz to Death

By JACK HEALY 43 minutes ago

BAGHDAD — Saddam Hussein's foreign minister was sentenced to death Tuesday for persecuting Shiites under the former regime.

## China Telecom Giant Makes Push for U.S. Market

By JOHN MARKOFF and DAVID BARBOZA  
BYRON WALKER and DAVID TEEPEE

Laurent Cipriani/Associated Press

MEMO FROM PARIS

## Unions at Critical Point as Strikes Continue

By STEVEN ERLANGER

Ongoing demonstrations led by labor unions risk alienating some supporters, while hurting France's economy and its reputation abroad. Above, Marseille struggles with trash as sanitation crews remain on strike.

### 2010 Midterm Elections

## Divide on U.S. Deficit Likely to Grow After Election

By JACKIE CALMES

A midterm campaign that has turned on the issue of federal debt is likely to yield a government even more split over how to

**GLOBAL SPOTLIGHT**

1

2

3

4

**OPINION »**  
**Roger Cohen: Turkey Steps Out**

Ankara applies Western ideas and the West doesn't like it.

**SCIENCE »**  
**Improvised Remedies of an Art Healer**

Because of unusual materials, modern works of art can be hard to conserve.

**MARKETS**

Data delayed at least 15 minutes 10/26/2010 7:40 AM ET

[U.S.](#) [AMERICAS](#) [EUROPE](#) [ASIA](#) [CURRENCIES](#) [COMMODITIES](#)**FTSE 100** 5,705.17 **-46.81** **-0.81%** **FTSE 100 BRITAIN****DAX** 6,621.16 **-18.05** **-0.27%****CAC 40** 3,843.10 **-26.90** **-0.70%****FTSE Italia** 21,937.89 **-79.86** **-0.36%****Eurofirst 300** 1,088.52 **-3.71** **-0.34%**

Tuesday

[GET QUOTES](#) [My Portfolios](#)

Stock, ETFs, Funds

Go

[CURRENCIES](#) [More Rates](#)

1 USD = 0.72

EUR



THE WATCH AVENUE

VISIT

&lt;nav role="navigation"&gt;



[HOME PAGE](#)
[TODAY'S PAPER](#)
[VIDEO](#)
[MOST POPULAR](#)
[TIMES TOPICS](#)
[MOST RECENT](#)

[Subscribe to The Times](#)
[Log In](#)
[Register Now](#)
[TimesPeople](#)

**Download the world today**

**GLOBAL EDITION**

# The New York Times

WITH THE International Herald Tribune

Tuesday, October 26, 2010 - Last Update: 7:11 AM ET (11:11 GMT)

Search

Switch to U.S. Edition »

**GLOBAL EDITION**

**WORLD**

- Asia
- Europe
- Middle East
- Africa
- Americas
- U.S.

**BUSINESS**

**SPORTS**

**FASHION & STYLE**

**ARTS**

**OPINION**

**EDUCATION**

**GREAT HOMES**

**TRAVEL**

**TECHNOLOGY**

**SCIENCE**

**HEALTH**

**N.Y./REGION**

**DINING & WINE**

**HOME & GARDEN**

**BOOKS**

**MOVIES**

**ENTERTAINMENT**

**OBITUARIES**

**SYNDICATION**

**CLASSIFIED**

**FORUM**

## Iran Begins Loading Fuel at Nuclear Reactor

By WILLIAM YONG and ALAN COWELL 4 minutes ago

TEHRAN — Tuesday's fuel injection moves Iran closer to the start-up of a facility that the U.S. once hoped to stop.

• [Times Topics: Iran's Nuclear Program](#)

## Iraq Court Sentences Tariq Aziz to Death

By JACK HEALY 43 minutes ago

BAGHDAD — Saddam Hussein's foreign minister was sentenced to death Tuesday for persecuting Shiites under the former regime.

## China Telecom Giant Makes Push for U.S. Market

By JOHN MARKOFF and DAVID BARBOZA

**GLOBAL SPOTLIGHT**

**OPINION »** Roger Cohen: Turkey Steps Out

Ankara applies Western ideas and the West doesn't like it.

**SCIENCE »** Improvised Remedies of an Art Healer

Because of unusual materials, modern works of art can be hard to conserve.

**MARKETS** Data delayed at least 15 minutes 10/26/2010 7:40 AM ET

	U.S.	AMERICAS	EUROPE	ASIA	CURRENCIES	COMMODITIES
FTSE 100	5,705.17	-46.81	-0.81%	FTSE 100		
DAX	6,621.16	-18.05	-0.27%			
CAC 40	3,843.10	-26.90	-0.70%			
FTSE Italia	21,937.89	-79.86	-0.36%			
Eurofirst 300	1,088.52	-3.71	-0.34%			

FTSE 100 BRITAIN

**GET QUOTES** My Portfolios »

Stock, ETFs, Funds Go

CURRENCIES More Rates »

1 USD = 0.72 EUR =

**THE WATCH AVENUE**

VISIT ►

<section role="main">

**U.S. »**

- Navajos Hope to Shift From Coal to Wind and Sun
- Deal Averts Trial in Disputed Guantánamo Case
- Teenager Known for Hiccups Now Faces a Murder Charge

**U.S. POLITICS »**

- In Alaska Senate Race, Front-Runner Isn't on Ballot
- Divide on U.S. Deficit Likely to Grow After Election
- House Democrats Fight to Survive in Arizona

**N.Y. / REGION »**

- Few Women in Cuomo or Paladino Inner Circles
- Paladino Threatens Shutdown if Budget Is Late
- Minor Parties See Threat in Ballot Quirk

**REAL ESTATE »**

- Sometimes, Lucky Numbers Add Up to Apartment Sales
- Habitats | Far Rockaway, Queens: A Beach Bungalow With a Magnetic Pull
- Living in Pound Ridge, N.Y.

**DINING & WINE »**

- Restaurants' Best Press: 'Bill Clinton Ate Here'
- The Minimalist: Ricotta Gnocchi Are Sticky and Lumpy (and Just Right)
- A Good Appetite: Giving Vegetables a Bath in Hot Oil

**EDUCATION »**

- Difficulties in Defining Errors in Case Against Harvard Researcher
- Help Stop Bullying, U.S. Tells Educators
- Tough as Nails, but Always Ready for a Bearhug

**HOME & GARDEN »**

- Habitats | Far Rockaway, Queens: A Beach Bungalow With a Magnetic Pull
- On Location: A Tiny Penthouse Studio Dressed in Comic Book Colors
- A Wood-Fired Hot Tub for an Old-Style Soak

• Venture Philanthropy | Rwanda • Congo • Nepal: D.I.Y. Foreign-Aid Revolution

- Advancing Women's Rights | Afghanistan: Studio Kabul
- Citizenship for Students | United States: Coming Out Illegal

**T MAGAZINE »**

- T Magazine: Now Reading | 'What Was the Hipster?'
- T Magazine: Artifacts | The Baldessari Variations
- T Magazine: Tasting the Salone del Gusto

**AUTOMOBILES »**

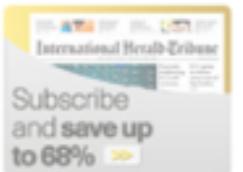
- Behind the Wheel | 2011 Porsche Cayenne: Cayenne Hybrid: Prius of Porsches
- Less Weight and More Sport for Cayenne Turbo
- Technology: 3 Hybrids By Porsche Tailored To the Task

**RECENT BLOG POSTS**

NEWS OPINION

- SCHOTT'S VOCAB: Daily Lexeme: Jeofail October 26, 2010, 3:00 AM
- PAUL KRUGMAN: Do Investors Expect Too Much From Bernanke? October 26, 2010, 1:15 AM
- OPINIONATOR: Filling the Gap Between Farm and Fair Trade October 25, 2010, 8:11 PM
- DOT EARTH: Real-World Steps on Energy and CO<sub>2</sub> October 25, 2010, 5:21 PM
- ROSS DOUTHAT: Juan Williams and the Partisan Cocoon October 25, 2010, 3:51 PM
- FREAKONOMICS: Search Engine Meets Internal Combustion Engine October 25, 2010, 2:30 PM

[More New York Times Blogs »](#)



Ads by Google

[what's this?](#)

**2011 Lincoln MKZ Hybrid**

The New 41 MPG Lincoln. Hybrid Technology the Same Price as Gas.  
[Lincoln.com/2011MKZHybrid](http://Lincoln.com/2011MKZHybrid)

**Porsche Super Sale**

Porsche Dealers Must Clear Cayenne Inventory! Find New Porsche Deals.  
[Cayenne-Discount.123FindACar.com](http://Cayenne-Discount.123FindACar.com)

**Porsche Cayenne Clearance**

Porsche Cayenne Blowout Pricing! Get Discount Porsche Cayenne Prices  
[Porsche.Reply.com](http://Porsche.Reply.com)

[Home](#) | [World](#) | [U.S.](#) | [N.Y. / Region](#) | [Business](#) | [Technology](#) | [Science](#) | [Health](#) | [Sports](#) | [Opinion](#) | [Arts](#) | [Style](#) | [Travel](#) | [Jobs](#) | [Real Estate](#) | [Autos](#) | [Back to Top](#)

Copyright 2010 The New York Times Company | [Privacy](#) | [Terms of Service](#) | [Search](#) | [Corrections](#) | [RSS](#) | [First Look](#) | [Help](#) | [Contact Us](#) | [Work for Us](#) | [Advertise](#) | [Site Map](#)

<footer role="contentinfo">

- U.S. »**
- Navajos Hope to Shift From Coal to Wind and Sun
  - Deal Averts Trial in Disputed Guantánamo Case
  - Teenager Known for Hiccups Now Faces a Murder Charge

**U.S. POLITICS »**

- In Alaska Senate Race, Front-Runner Isn't on Ballot
- Divide on U.S. Deficit Likely to Grow After Election
- House Democrats Fight to Survive in Arizona

**N.Y. / REGION »**

- Few Women in Cuomo or Paladino Inner Circles
- Paladino Threatens Shutdown if Budget Is Late
- Minor Parties See Threat in Ballot Quirk

**REAL ESTATE »**

- Sometimes, Lucky Numbers Add Up to Apartment Sales
- Habitats | Far Rockaway, Queens: A Beach Bungalow With a Magnetic Pull
- Living in Pound Ridge, N.Y.

**DINING & WINE »**

- Restaurants' Best Press: 'Bill Clinton Ate Here'
- The Minimalist: Ricotta Gnocchi Are Sticky and Lumpy (and Just Right)
- A Good Appetite: Giving Vegetables a Bath in Hot Oil

**EDUCATION »**

- Difficulties in Defining Errors in Case Against Harvard Researcher
- Help Stop Bullying, U.S. Tells Educators
- Tough as Nails, but Always Ready for a Bearhug

**HOME & GARDEN »**

- Habitats | Far Rockaway, Queens: A Beach Bungalow With a Magnetic Pull
- On Location: A Tiny Penthouse Studio Dressed in Comic Book Colors
- A Wood-Fired Hot Tub for an Old-Style Soak

• Venture Philanthropy | Rwanda • Congo • Nepal: D.I.Y. Foreign-Aid Revolution

- Advancing Women's Rights | Afghanistan: Studio Kabul
- Citizenship for Students | United States: Coming Out Illegal

**T MAGAZINE »**

- T Magazine: Now Reading | 'What Was the Hipster?'
- T Magazine: Artifacts | The Baldessari Variations
- T Magazine: Tasting the Salone del Gusto

**AUTOMOBILES »**

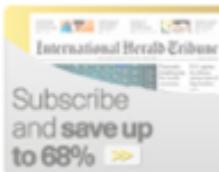
- Behind the Wheel | 2011 Porsche Cayenne: Cayenne Hybrid: Prius of Porsches
- Less Weight and More Sport for Cayenne Turbo
- Technology: 3 Hybrids By Porsche Tailored To the Task

**RECENT BLOG POSTS**

NEWS OPINION

- SCHOTT'S VOCAB: Daily Lexeme: Jeofail October 26, 2010, 3:00 AM
- PAUL KRUGMAN: Do Investors Expect Too Much From Bernanke? October 26, 2010, 1:15 AM
- OPINIONATOR: Filling the Gap Between Farm and Fair Trade October 25, 2010, 8:11 PM
- DOT EARTH: Real-World Steps on Energy and CO<sub>2</sub> October 25, 2010, 5:21 PM
- ROSS DOUTHAT: Juan Williams and the Partisan Cocoon October 25, 2010, 3:51 PM
- FREAKONOMICS: Search Engine Meets Internal Combustion Engine October 25, 2010, 2:30 PM

[More New York Times Blogs »](#)



Ads by Google

[what's this?](#)

[2011 Lincoln MKZ Hybrid](#)

The New 41 MPG Lincoln. Hybrid Technology the Same Price as Gas.  
[Lincoln.com/2011MKZHybrid](http://Lincoln.com/2011MKZHybrid)

[Porsche Super Sale](#)

Porsche Dealers Must Clear Cayenne Inventory! Find New Porsche Deals.  
[Cayenne-Discount.123FindACar.com](http://Cayenne-Discount.123FindACar.com)

[Porsche Cayenne Clearance](#)

Porsche Cayenne Blowout Pricing! Get Discount Porsche Cayenne Prices  
[Porsche.Reply.com](http://Porsche.Reply.com)

[Home](#) | [World](#) | [U.S.](#) | [N.Y. / Region](#) | [Business](#) | [Technology](#) | [Science](#) | [Health](#) | [Sports](#) | [Opinion](#) | [Arts](#) | [Style](#) | [Travel](#) | [Jobs](#) | [Real Estate](#) | [Autos](#) | [Back to Top](#)

Copyright 2010 The New York Times Company | [Privacy](#) | [Terms of Service](#) | [Search](#) | [Corrections](#) | [RSS](#) | [First Look](#) | [Help](#) | [Contact Us](#) | [Work for Us](#) | [Advertise](#) | [Site Map](#)

<nav role="navigation">

# Semantic comparison

Ad-hoc	ARIA Role	HTML5
#header, #top	banner	header (kind of)
#main, #content	main	none
#extra, .sidebar	complementary, note	aside
#footer, #bottom	contentinfo	footer
#nav	navigation	nav
.hentry	article	article



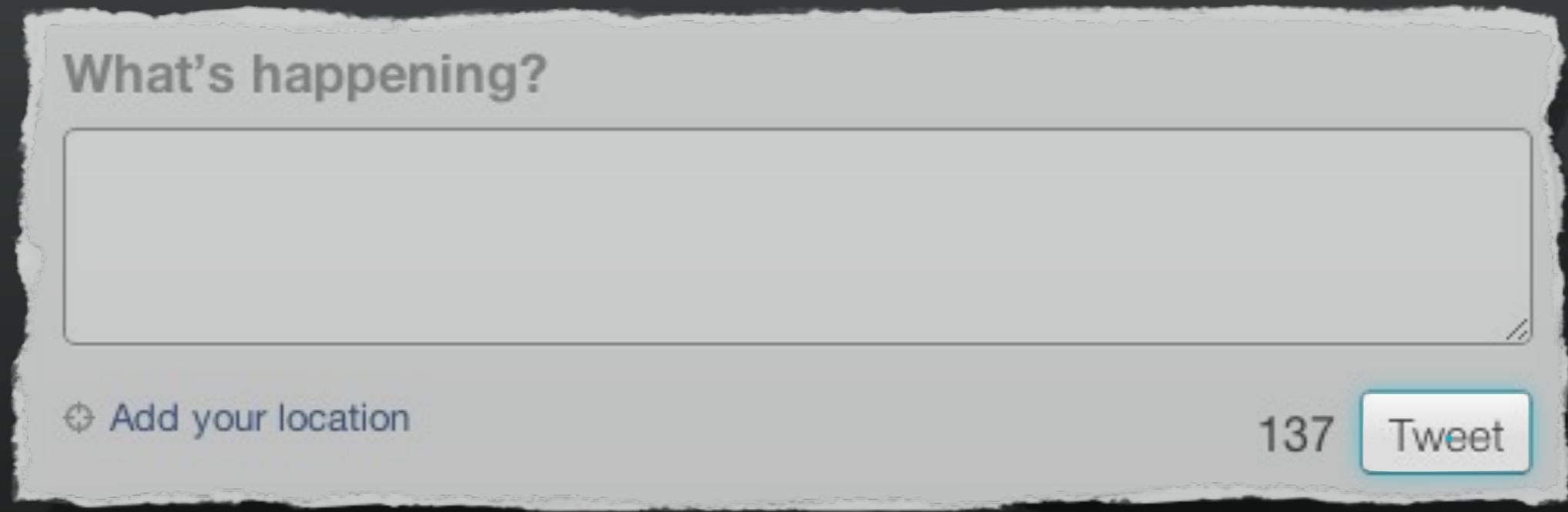
# These *are* the droids you seek

```
<span role="button">0K</span>
```

```
<div role="alert">
  <p>Something went wrong.</p>
</div>
```

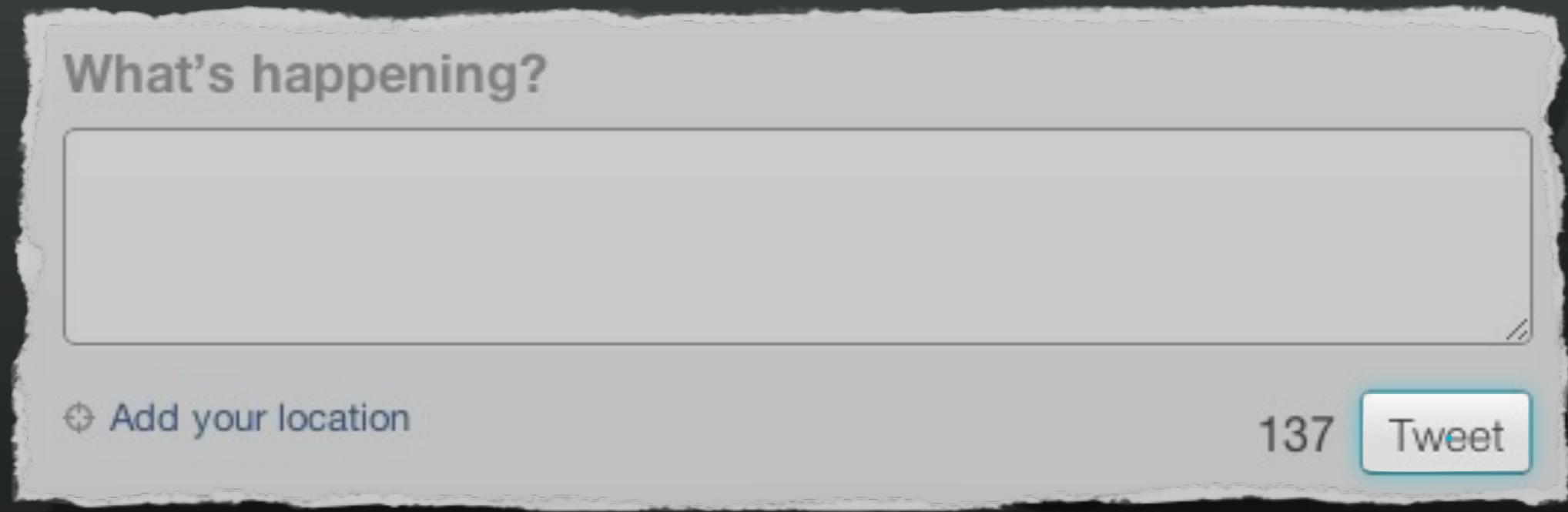
```
<div role="alertdialog">
  <p>Something went wrong.</p>
  
</div>
```

# What is it?



```
<a class="button">Tweet</a>
```

# What is it?



```
<a role="button">Tweet</a>
```

# Pumpkin Pie

OVERVIEW    INGREDIENTS    DIRECTIONS    NUTRITION

Whether you're hosting a festive party or a casual get-together with friends, our Pumpkin Pie will make entertaining easy!

**Original recipe yield:** 1 × 9-inch deep dish pie

**Prep Time:** 10min  
**Cook Time:** 1hr  
**Ready In:** 1hr 10min



*Photo by [Paul Coyette](#), licensed under [Creative Commons](#).*



# What's happening?



(off)



(on)

```
<span>
  
</span>
<span>
  
</span>
```

# What's happening?



(off)



(on)

```
<span>
  
</span>
<span>
  
</span>
```

# What's happening?



(off)

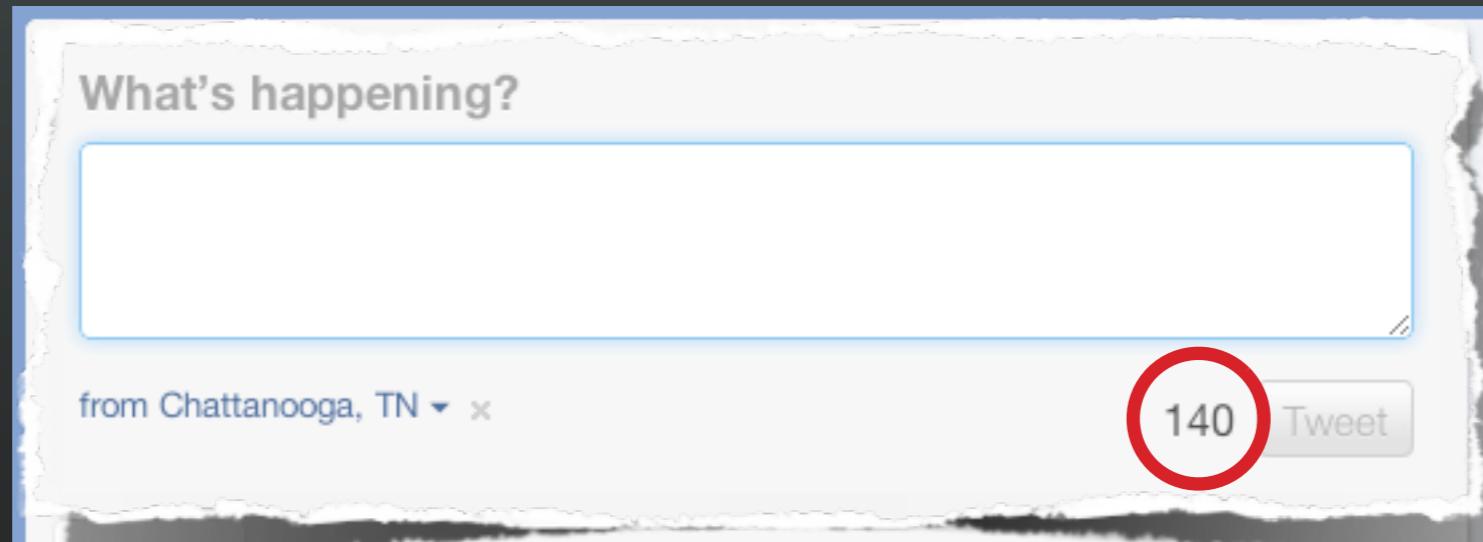


(on)

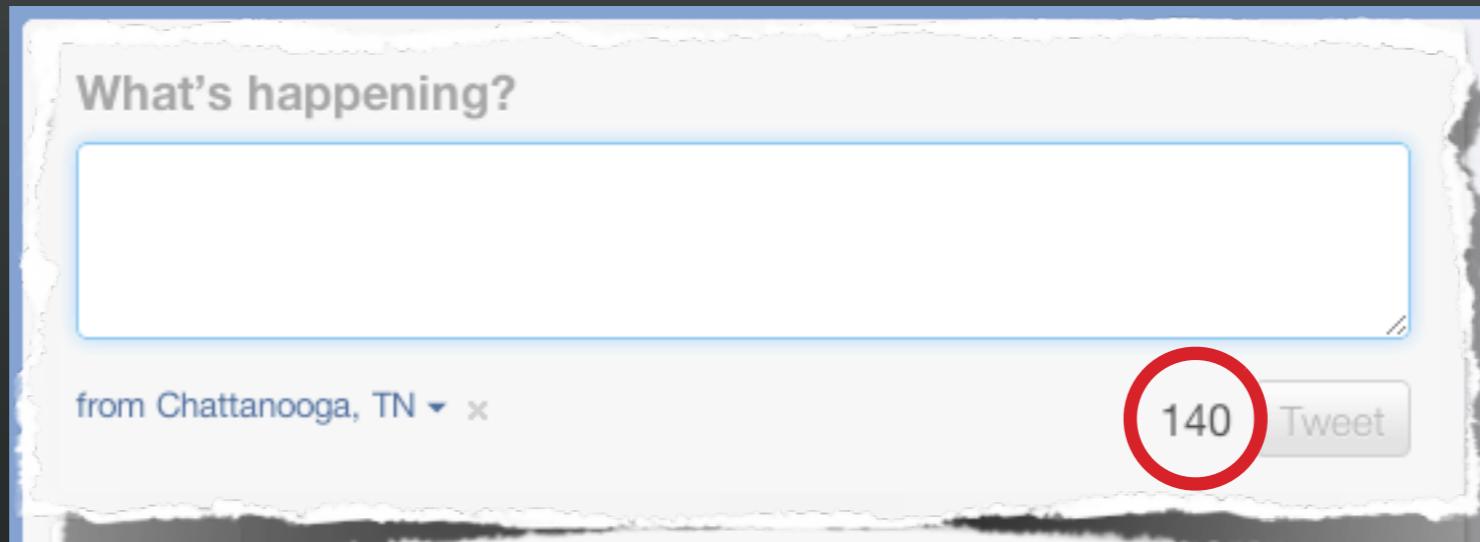
```
<span role="button" aria-pressed="false">  
    
</span>  
<span role="button" aria-pressed="true">  
    
</span>
```



# Hey! Over here!

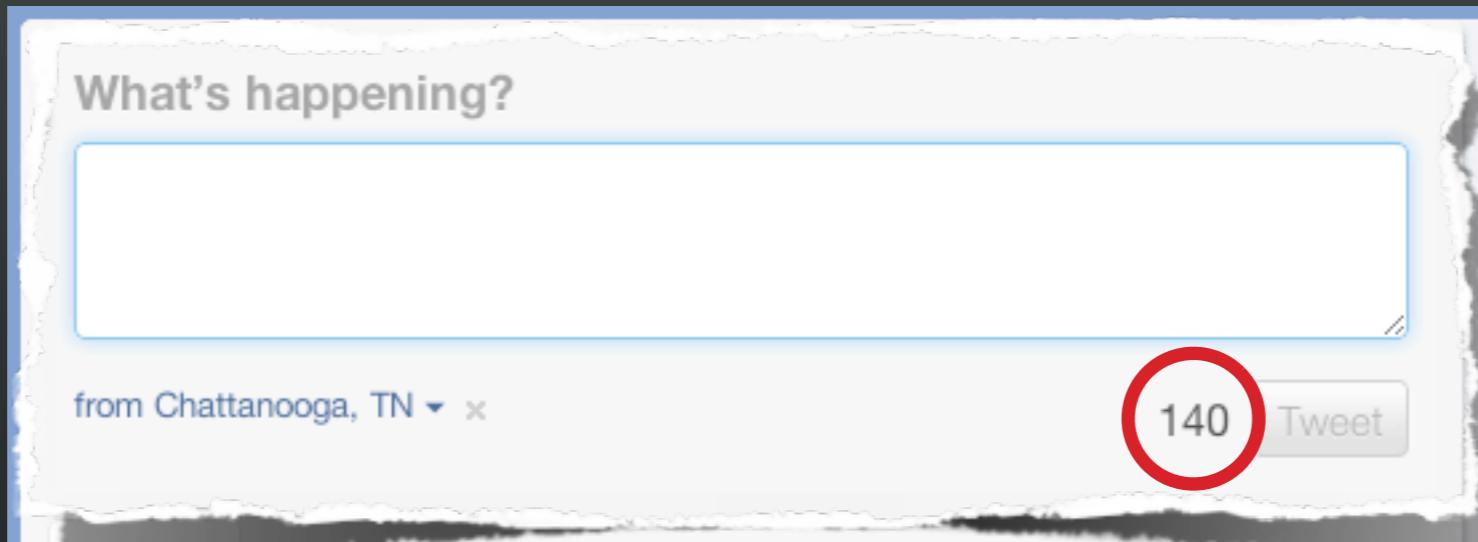


# Hey! Over here!



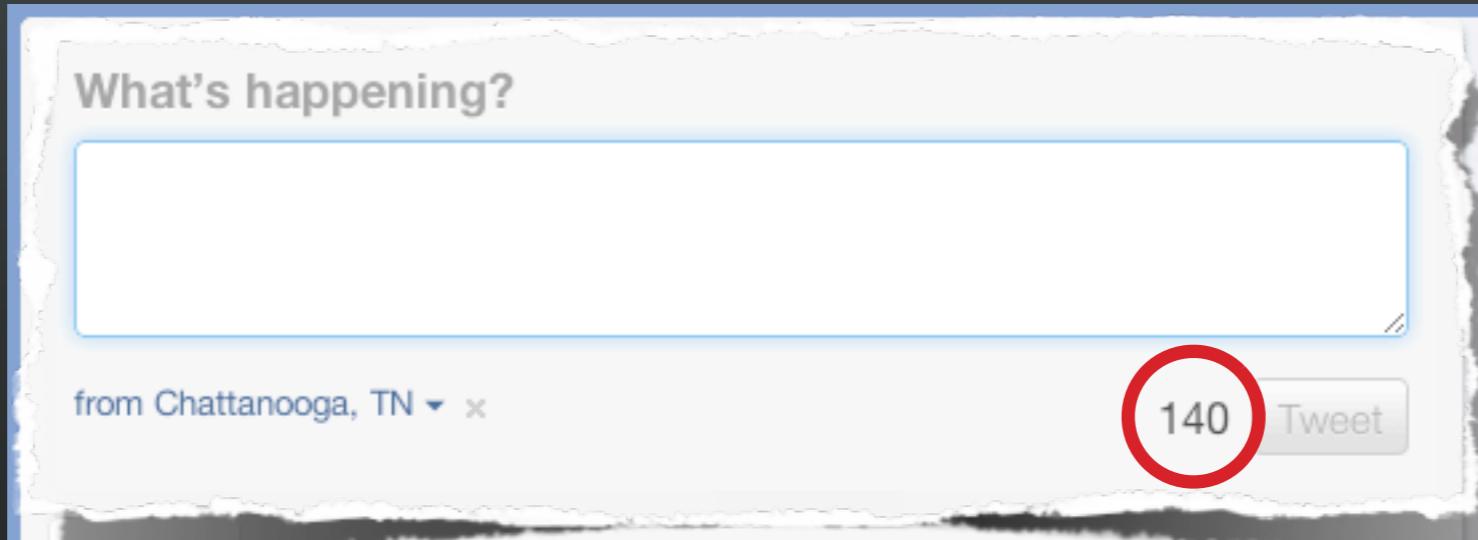
```
<input class="tweet-counter" value="140" disabled="disabled">
```

# Hey! Over here!



```
<span id="chars_left_notice" class="numeric">
  <strong id="status-field-char-counter"
    class="char-counter">140</strong>
</span>
```

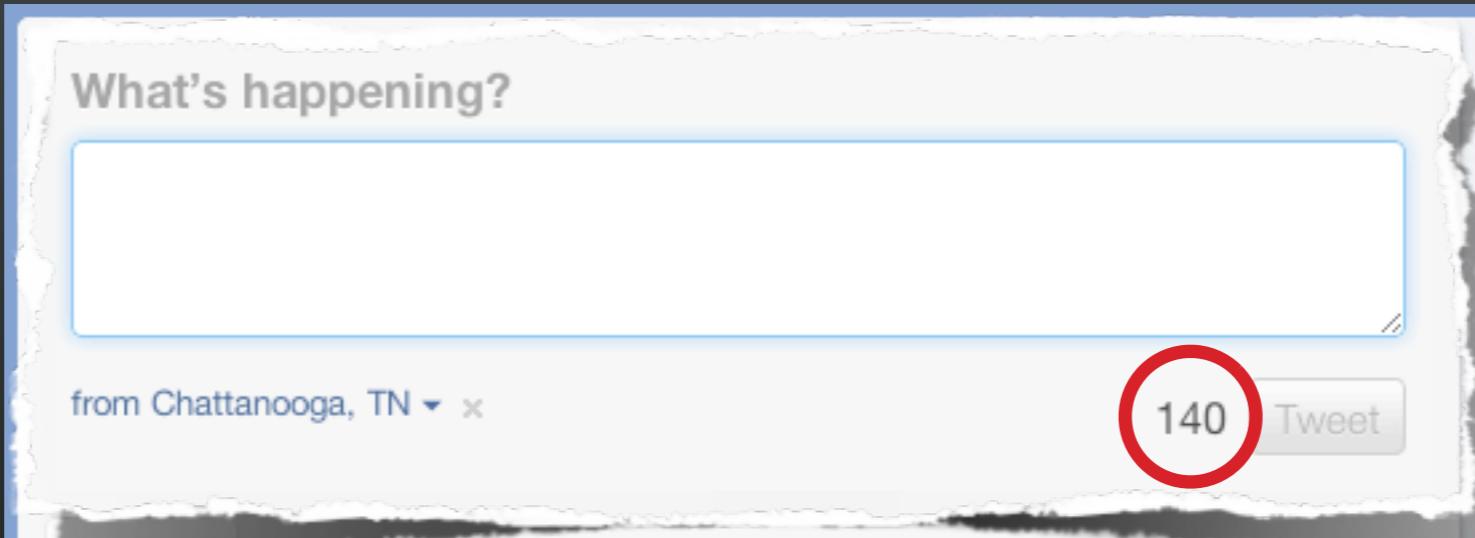
# Hey! Over here!



```
<span class="tweet-counter">140<br><b class="hidden"> characters remaining</b></span>
```

```
.hidden {<br> position: absolute;<br> left: -999em;<br>}
```

# Hey! Over here!

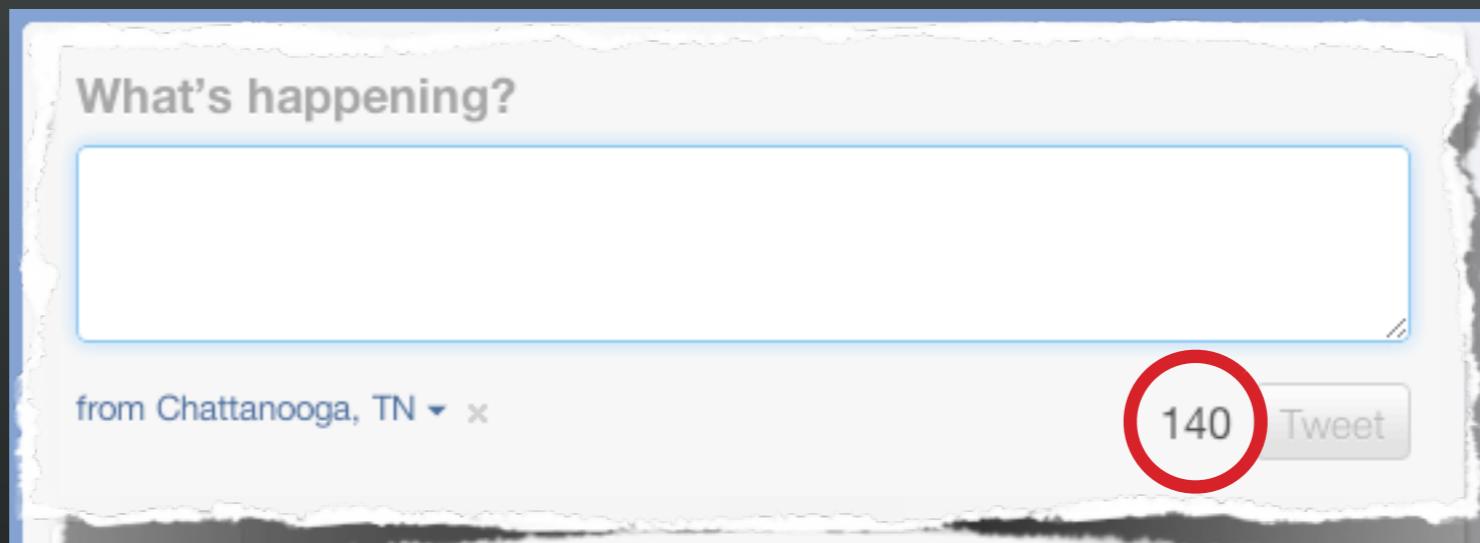


```
<span class="tweet-counter">maximum of 140 characters</span>
```

```
<span class="tweet-counter">140
  <b class="hidden"> characters remaining</b></span>
```

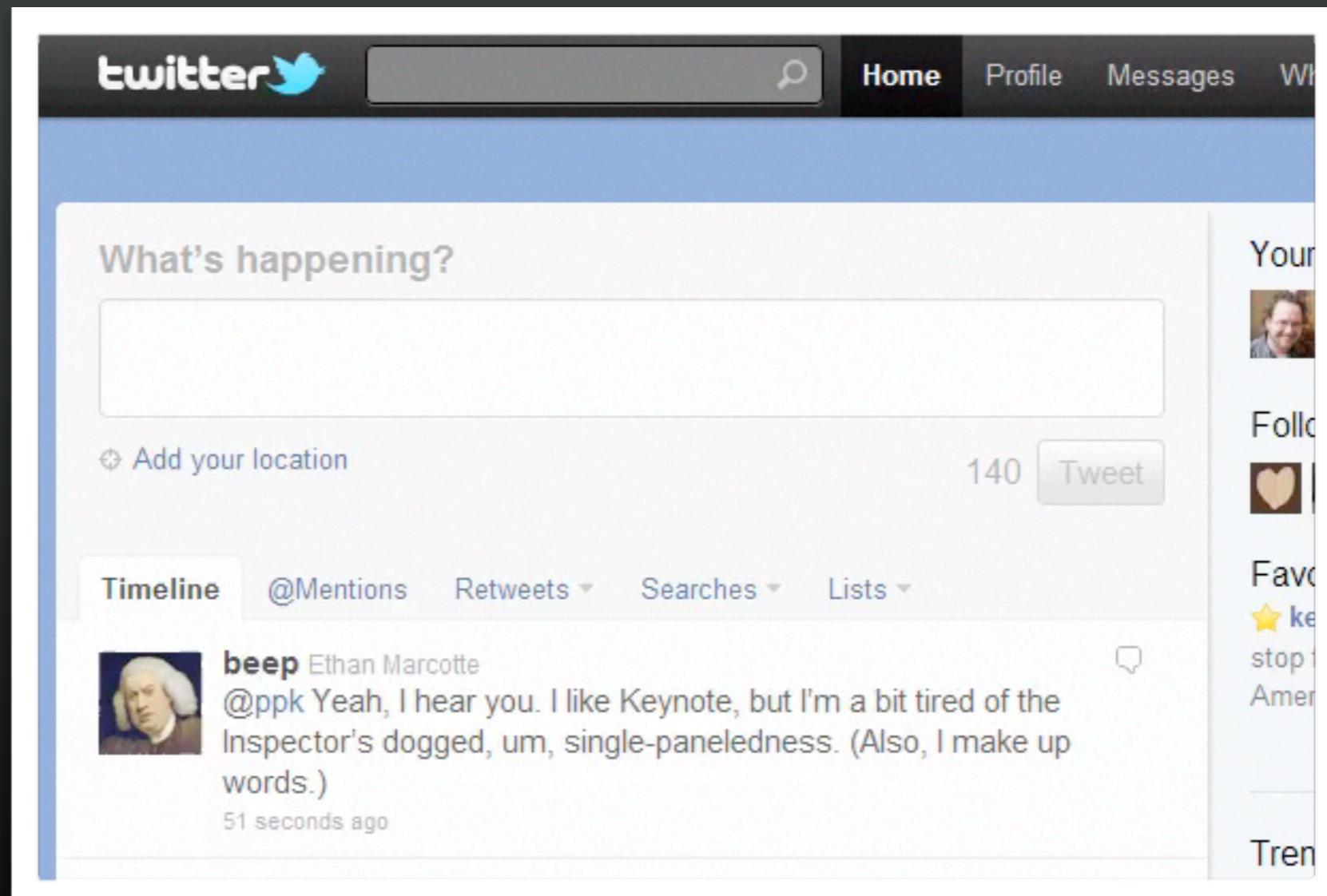


# Hey! Over here!

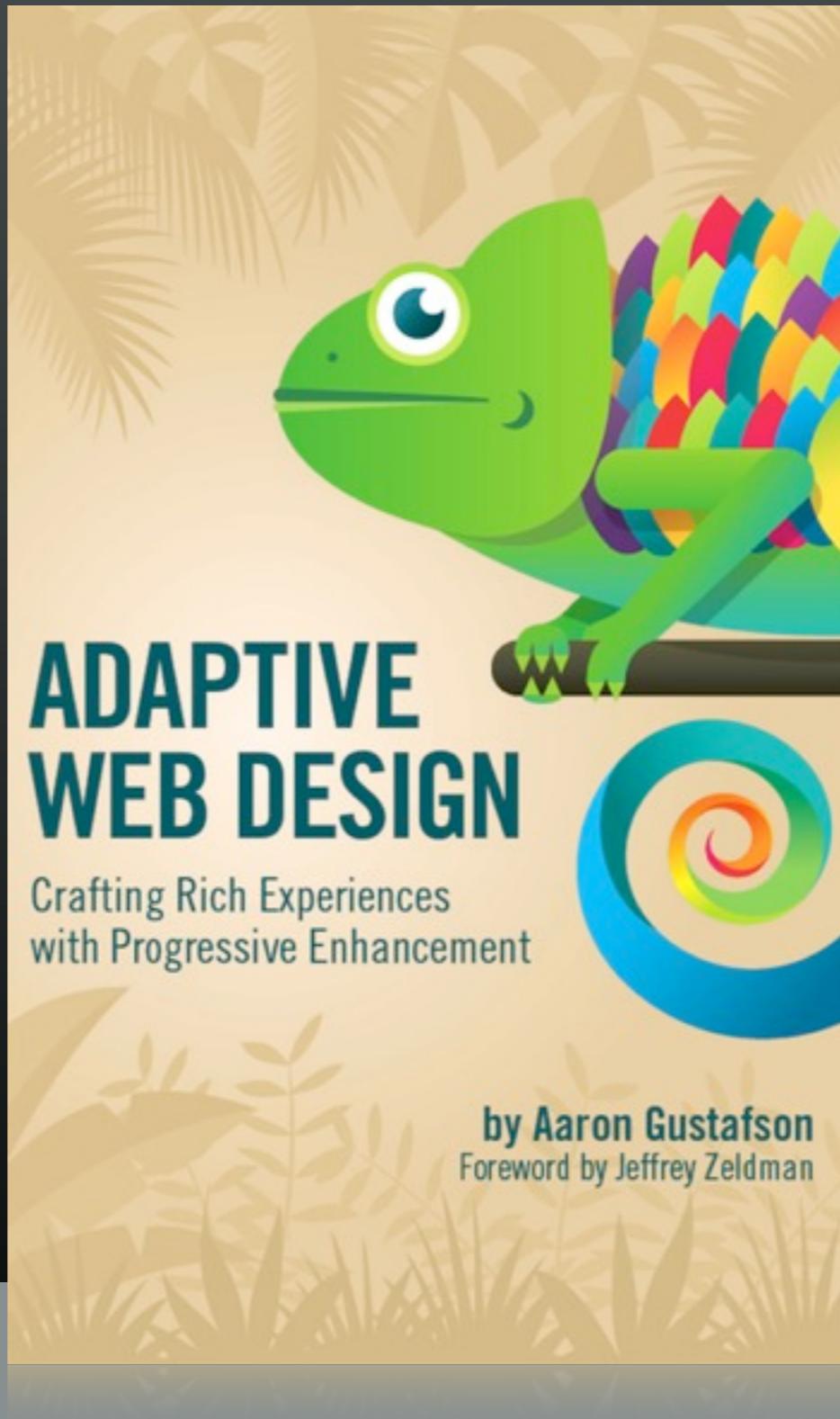


```
<span aria-live="polite" aria-atomic="true"  
      class="tweet-counter">140<b class="hidden">  
      characters remaining</b></span>
```

# Hey! Over here!







[AdaptiveWebDesign.info](http://AdaptiveWebDesign.info)

# Progressive *(e)*nhancement

by Aaron Gustafson

More of the same:

<http://adaptivewebdesign.info>

<http://easy-designs.net>

<http://easy-reader.net>

<http://aaron-gustafson.com>

Slides available at

<http://slideshare.net/AaronGustafson>

This presentation is licensed under

Creative Commons

Attribution-Noncommercial-Share Alike 3.0

## flickr Photo Credits

[flickr.com/photos/aarongustafson/galleries/72157627891060114/](http://flickr.com/photos/aarongustafson/galleries/72157627891060114/)

“Usability Fail” by soopahgrover

“ferris wheel? not yet...” by drcorneilus

“Compost 06/08/2007” by suavehouse113

“CORNERSTONE” by spike55151

“Headphone” by Giando

“Shout, shout..” by hebedesign