

MITOS DO FRONT-END



ZENO ROCHA



@zenorocha

→ esse sou eu :)

trabalho como
front-end engineer

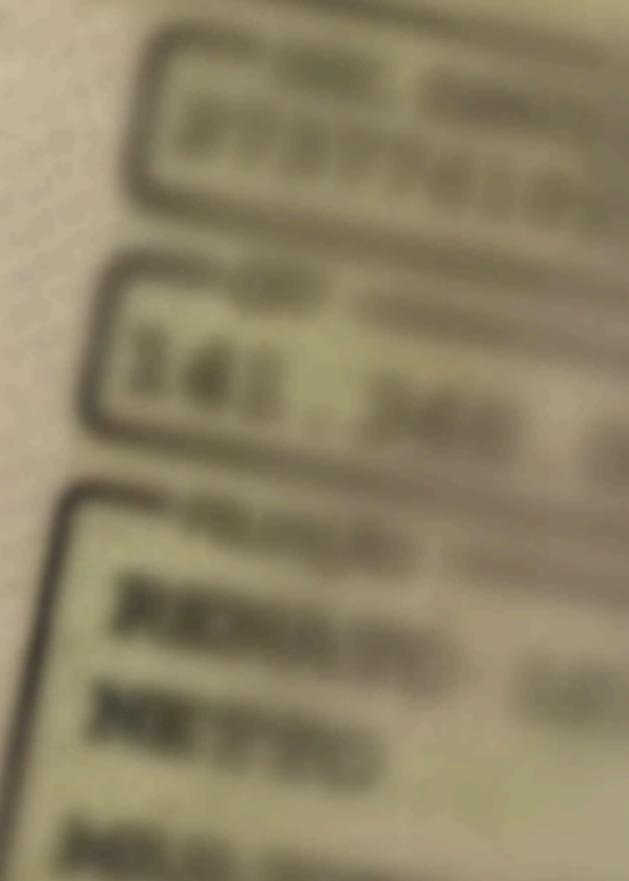


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COMO
ALGUNS
DEVS
BACK-END
SE VEEM



Como
ALGUNS
Devs
BACK-END
veem os
Devs
FRONT-END

A close-up portrait of a man with dark skin and short, braided hair. He is smiling broadly, showing his teeth, and looking slightly to the right of the camera. He is wearing a black zip-up hoodie. The background is a soft-focus outdoor scene with greenery and a clear sky.

“CSS É MUITO FÁCIL”



```
background-color: hsl(34, 53%, 82%);  
background-image: -webkit-repeating-linear-gradient(45deg,  
transparent 5px, rgba(11, 36, 45, 0.5) 5px, rgba(11, 36, 45, 0.5)  
10px, rgba(211, 119, 111, 0) 10px, rgba(211, 119, 111, 0) 35px,  
rgba(211, 119, 111, 0.5) 35px, rgba(211, 119, 111, 0.5) 40px,  
rgba(11, 36, 45, 0.5) 40px, rgba(11, 36, 45, 0.5) 50px, rgba(11, 36,  
45, 0) 50px, rgba(11, 36, 45, 0) 60px, rgba(211, 119, 111, 0.5)  
60px, rgba(211, 119, 111, 0.5) 70px, rgba(247, 179, 85, 0.5) 70px,  
rgba(247, 179, 85, 0.5) 80px, rgba(247, 179, 85, 0) 80px, rgba(247,  
179, 85, 0) 90px, rgba(211, 119, 111, 0.5) 90px, rgba(211, 119,  
111, 0.5) 110px, rgba(211, 119, 111, 0) 110px, rgba(211, 119, 111,  
0) 120px, rgba(11, 36, 45, 0.5) 120px, rgba(11, 36, 45, 0.5) 140px  
, -webkit-repeating-linear-gradient(135deg, transparent 5px,  
rgba(11, 36, 45, 0.5) 5px, rgba(11, 36, 45, 0.5) 10px, rgba(211,  
119, 111, 0) 10px, rgba(211, 119, 111, 0) 35px, rgba(211, 119,  
111, 0.5) 35px, rgba(211, 119, 111, 0.5) 40px, rgba(11, 36, 45, 0.5)  
40px, rgba(11, 36, 45, 0.5) 50px, rgba(11, 36, 45, 0) 50px, rgba(11,  
36, 45, 0) 60px, rgba(211, 119, 111, 0.5) 60px, rgba(211, 119, 111,  
0.5) 70px, rgba(247, 179, 85, 0.5) 70px, rgba(247, 179, 85, 0.5)  
80px, rgba(247, 179, 85, 0) 80px, rgba(247, 179, 85, 0) 90px,  
rgba(211, 119, 111, 0.5) 90px, rgba(211, 119, 111, 0.5) 110px,  
rgba(211, 119, 111, 0) 110px, rgba(211, 119, 111, 0) 140px,
```





photon on



photon off

photon.attasi.com



2012.beercamp.com



**"CSS É MUITO
REPETITIVO"**

DE NOVO, DE NOVO

- DRY - Don't Repeat Yourself

```
#header {  
    color: #4D926F;  
}  
  
.fundo {  
    background: #4D926F;  
}  
  
h2 {  
    color: #4D926F;  
}
```



The dynamic stylesheet language.

LESS extends CSS with dynamic behavior such as variables, mixins, operations and functions. LESS runs on both the client-side (Chrome, Safari, Firefox) and server-side, with Node.js and Rhino.



[Download less.js](#)

version 1.3.0

[overview](#)

[usage](#)

[language](#)

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Write some LESS:

```
@base: #f938ab;  
  
.box-shadow(@style, @c) when (iscolor(@c)) {  
  box-shadow: @style @c;  
  -webkit-box-shadow: @style @c;  
  -moz-box-shadow: @style @c;  
}  
.box-shadow(@style, @alpha: 50%) when (isnumber(@alpha)) {  
  .box-shadow(@style, rgba(0, 0, 0, @alpha));  
}  
.box {  
  color: saturate(@base, 5%);  
  border-color: lighten(@base, 30%);  
  div { .box-shadow(0 0 5px, 30%) }  
}
```

Include `less.js` with your styles:

```
<link rel="stylesheet/less" type="text/css" href="styles.less">  
<script src="less.js" type="text/javascript"></script>
```

Variables

Variables allow you to specify widely used values in a single place, and then re-use them throughout the style sheet, making global changes as easy as changing one line of code.

```
// LESS  
  
@color: #4D926F;  
  
.header {  
  color: @color;  
}  
  
h2 {  
  color: @color;  
}
```

```
/* Compiled CSS */  
  
.header {  
  color: #4D926F;  
}  
h2 {  
  color: #4D926F;  
}
```



Sass.

(style with attitude)

```
$ gem install sass  
$ mv style.css style.scss  
$ sass --watch style.scss:style.css
```

[About](#)[Tutorial](#)[Documentation](#)[Blog](#)[Try Online](#)

Latest Release: Brainy Betty (3.1.19)

[What's New?](#)

Sass makes CSS fun again. Sass is an extension of CSS3, adding [nested rules](#), [variables](#), [mixins](#), [selector inheritance](#), and [more](#). It's translated to well-formatted, standard CSS using the command line tool or a web-framework plugin.

Sass has two syntaxes. The new main syntax ([as of Sass 3](#)) is known as "SCSS" (for "Sassy CSS"), and is a superset of CSS3's syntax. This means that every valid CSS3 stylesheet is valid SCSS as well. SCSS files use the extension `.scss`.

The second, older syntax is known as [the indented syntax](#) (or just "Sass"). Inspired by Haml's terseness, it's intended for people who prefer conciseness over similarity to CSS. Instead of brackets and semicolons, it uses the indentation of lines to specify blocks. Although no longer the primary syntax, the indented syntax will continue to be supported. Files in the indented syntax use the extension `.sass`.



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Variables

Use the same color all over the place? Need to do some math with height and width and text size? Sass supports variables as well as basic math operations and [many useful functions](#).

`.scss`

```
$blue: #3bbfce;  
$margin: 16px;  
  
body {  
    background-color: $blue;  
    border-color: $blue;  
    color:  
        darken($blue, 9%);  
}
```

`.sass`

```
/* CSS */  
  
.content-navigation {  
    border-color: #3bbfce;  
    color: #2b9eab;  
}  
  
.border {
```

Nesting

Sass avoids repetition by nesting selectors within one another. The same thing works with properties.

`.scss`

```
table.h1 {  
    margin: 2em 0;  
    td.in {  
        text-align: right;  
    }  
}  
  
li {
```

`.sass`

```
/* CSS */  
  
table.h1 {  
    margin: 2em 0;  
}  
table.h1 td.in {  
    text-align: right;  
}
```

sass-lang.com

Selectors
Variables
Interpolation
Operators
Mixins
Functions
Keyword Argu
Built-in Functi
Rest Params
Comments
Conditionals
Iteration
@import
@media
@font-face
@keyframes
@extend
url()
CSS Literal
CSS Style Sy
Char Escapin
Executable
Error Reportin
Connect Mid
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CSS3 Extensi
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Try Stylus On

Stylus

Expressive, dynamic, robust CSS

CSS needs a hero

```
body {  
  font: 12px Helvetica, Arial, sans-serif;  
}  
a.button {  
  -webkit-border-radius: 5px;  
  -moz-border-radius: 5px;  
  border-radius: 5px;  
}
```

What if we could omit braces?

```
body  
  font: 12px Helvetica, Arial, sans-serif;  
  
a.button  
  -webkit-border-radius: 5px;  
  -moz-border-radius: 5px;  
  border-radius: 5px;
```

How about semi-colons?

learnboost.github.com/stylus

font: 12px Helvetica, Arial, sans-serif

```
a.button  
  -webkit-border-radius: 5px
```



CSS Variables Module Level 1

Editor's Draft 15 June 2012

This version:

[Editor's draft \(version of 15 June 2012\)](#)

Latest version:

<http://www.w3.org/TR/css-variables/>

Editor's draft:

<http://dev.w3.org/cswwg/css-variables/>

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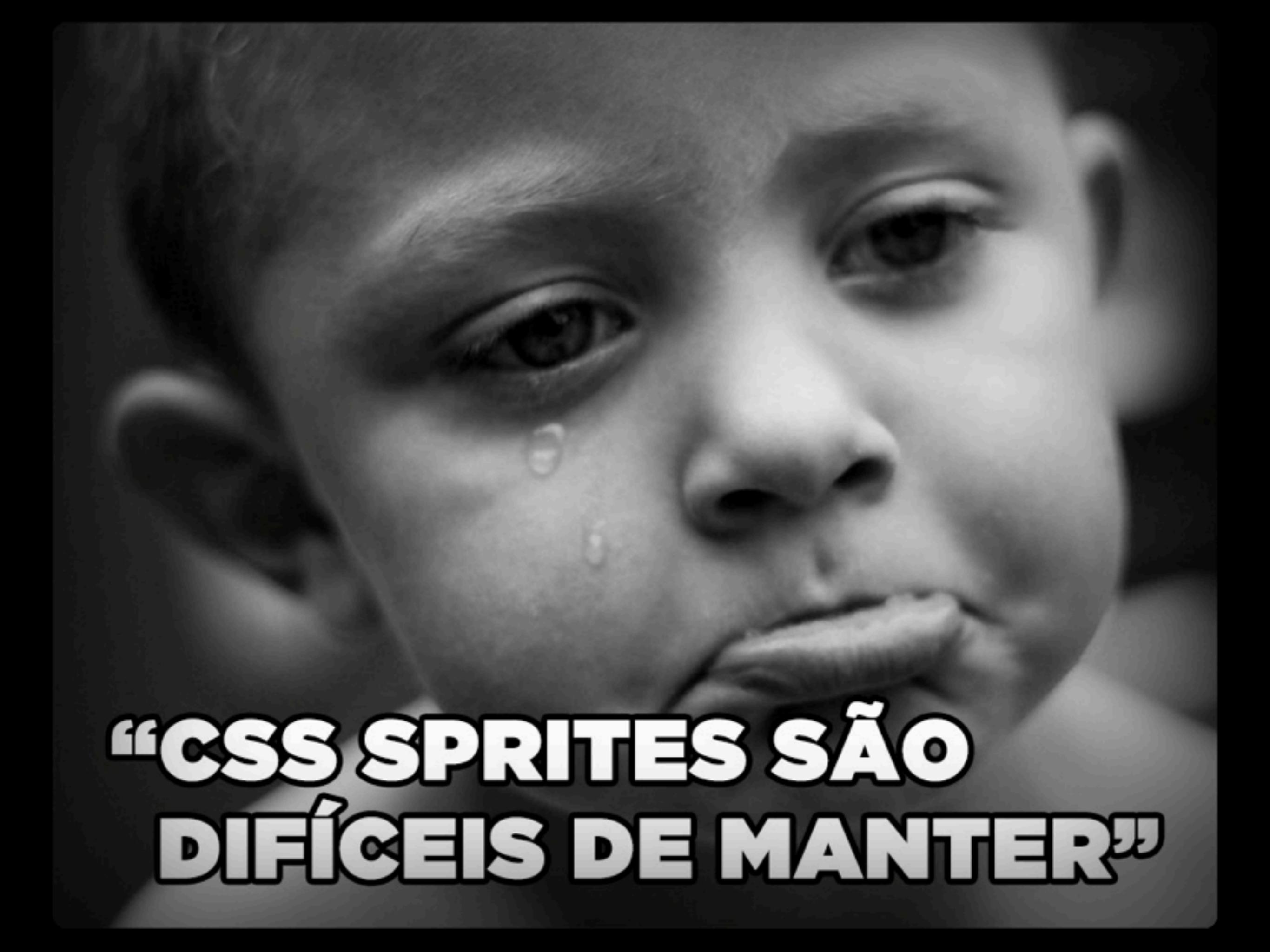
Abstract

CSS is a language for describing the rendering of structured documents (such as HTML and XML) on screen, on paper, in speech, etc. This module contains the features of CSS level 3 relating to variables. It includes and extends the functionality of CSS level 2 [CSS21], which builds on CSS level 1 [CSS1]. The main extensions compared to level 2 are the introduction of the variable as a new primitive value type that is accepted by all properties.

dev.w3.org/cswwg/css-variables
Status of this document

VARIÁVEIS NO CSS 4

```
body {  
    -webkit-var-text-color: #fff;  
    -webkit-var-text-bg: #000;  
    color: -webkit-var(text-color);  
    background: -webkit-var(text-bg);  
}
```



**“CSS SPRITES SÃO
DIFÍCEIS DE MANTER”**



Compass is an open-source *CSS Authoring Framework*.

♥ Why designers love Compass.

1. Experience cleaner markup without presentational classes.
2. It's chock full of the web's best [reusable patterns](#).
3. It makes creating [sprites](#) a breeze.
4. Compass mixins make [CSS3](#) easy.
5. Create beautiful [typographic rhythms](#).
6. Download and create extensions with ease.

✓ Compass uses Sass.

[Sass](#) is an extension of CSS3 which adds nested rules, variables, mixins, selector inheritance, and more. Sass generates well formatted CSS and makes your stylesheets easier to organize and maintain.



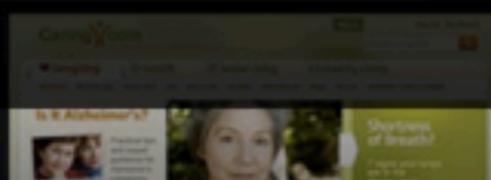
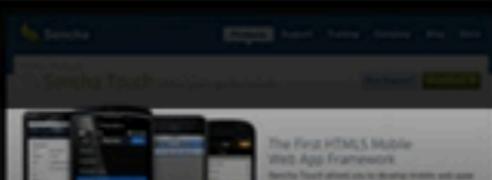
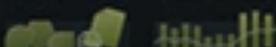
MailChimp has a million users. This makes Freddie very happy.

Powered by Fusion

Brilliant people use Compass, including these *wildly talented* folks:

compass-style.org

Add powerful functionality to your apps with ease.





COMPASS SPRITE GENERATOR

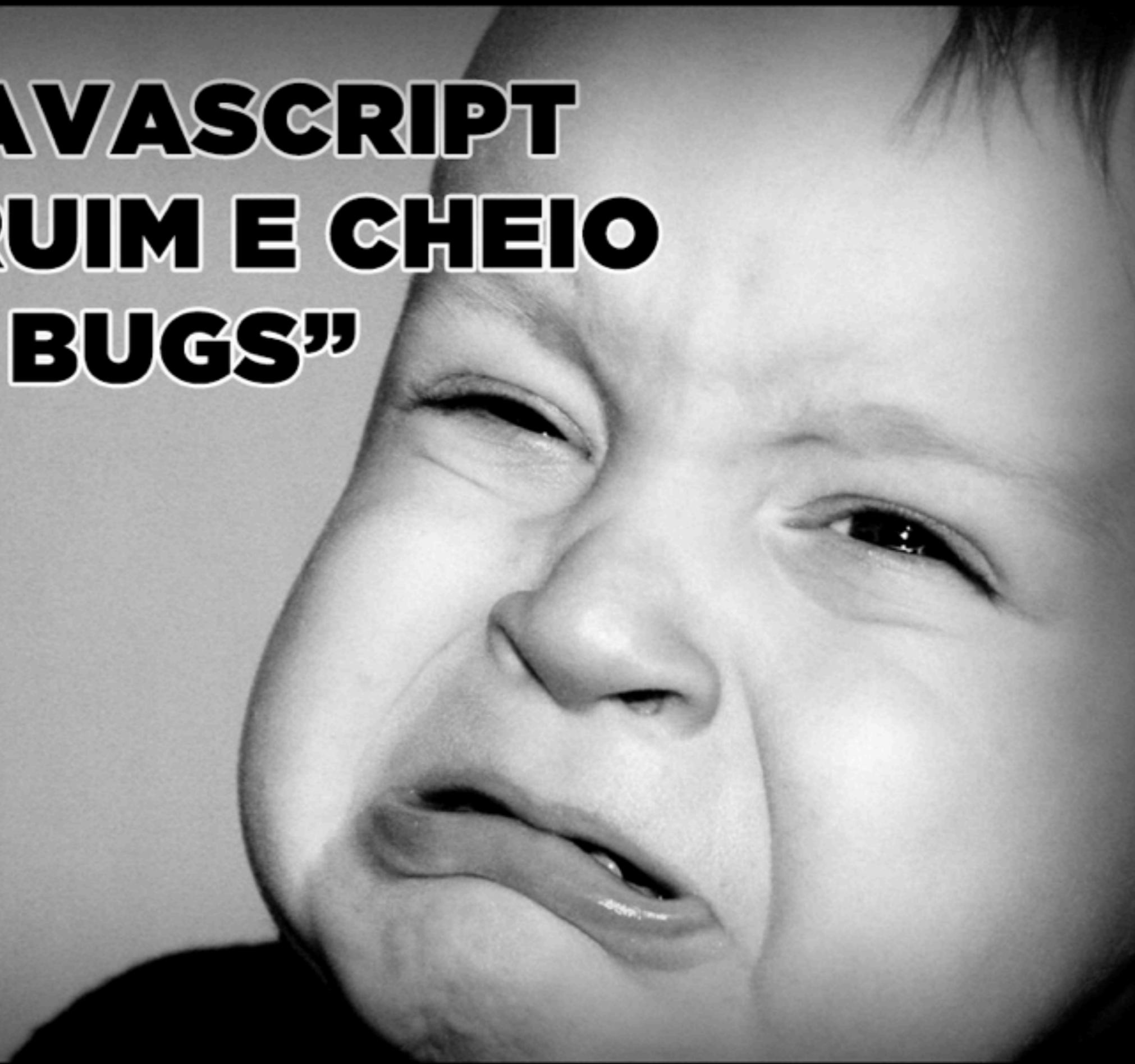
"JAVA == JAVASCRIPT"



“Java is to JavaScript as
ham is to hamster”

— Jeremy Keith

**“JAVASCRIPT
É RUIM E CHEIO
DE BUGS”**



WAIT



2:55



The WHY of WAT

on Jan 27, 2012 in [JavaScript](#) by Adam Iley

Recently a talk given by Gary Bernhardt at CodeMash has been doing the rounds. In it, he pokes fun at some apparently crazy behaviours in Ruby and Javascript.

While I might not be able to persuade you that all of the things he complains about make sense, I hope I'll be able to show you some of the reasons that javascript behaves as it does.

The + symbol

The + symbol in javascript can mean one of three things.

It can be an infix addition operator where it operates on two numbers.

It can be an infix string concatenation operator where it operates on two strings.

It can be a prefix 'this number is positive' operator where it operates on a single number.

What makes all of this slightly more complicated is that javascript has automatic type coercion, so if you use something that isn't a number or a string before or after your + symbol, then javascript is going to automatically convert whatever you did use to be either a string or a number.

```
boolean, null, undefined coerce to a number (true = 1, false = 0, null = 0,  
undefined = NaN)  
object, array, function all coerce to a string.
```

So when you see

blog.caplin.com/2012/01/27/the-why-of-wat

You know that javascript is going to coerce both of those empty arrays to a string and do a string concatenation on them.



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Your Opinion

For people developing rich web content, what are/going to be the most important technologies in 2012?

- HTML5
- Silverlight



**JS TEM SIM SUAS
PECULIARIDADES**

**MAS VÁRIAS
COISAS VÃO MUDAR**

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ES6 plans

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- 2 New syntax (stuff that affects the front end and/or bytecode)
- 3 Updating SpiderMonkey extensions to the ES6 spec
 - 3.1 Direct proxies
 - 3.2 Generators and comprehensions
 - 3.3 let, const, and block functions
- 4 Harmony infrastructure
- 5 Modules
- 6 New APIs that are in modules
- 7 Incompatible changes
- 8 Proposals that should not create any work for us

New and improved builtin APIs

Most of this stuff does not need to touch a lot of code. None of it requires a Harmony opt-in. This is great stuff for new contributors to start work on.

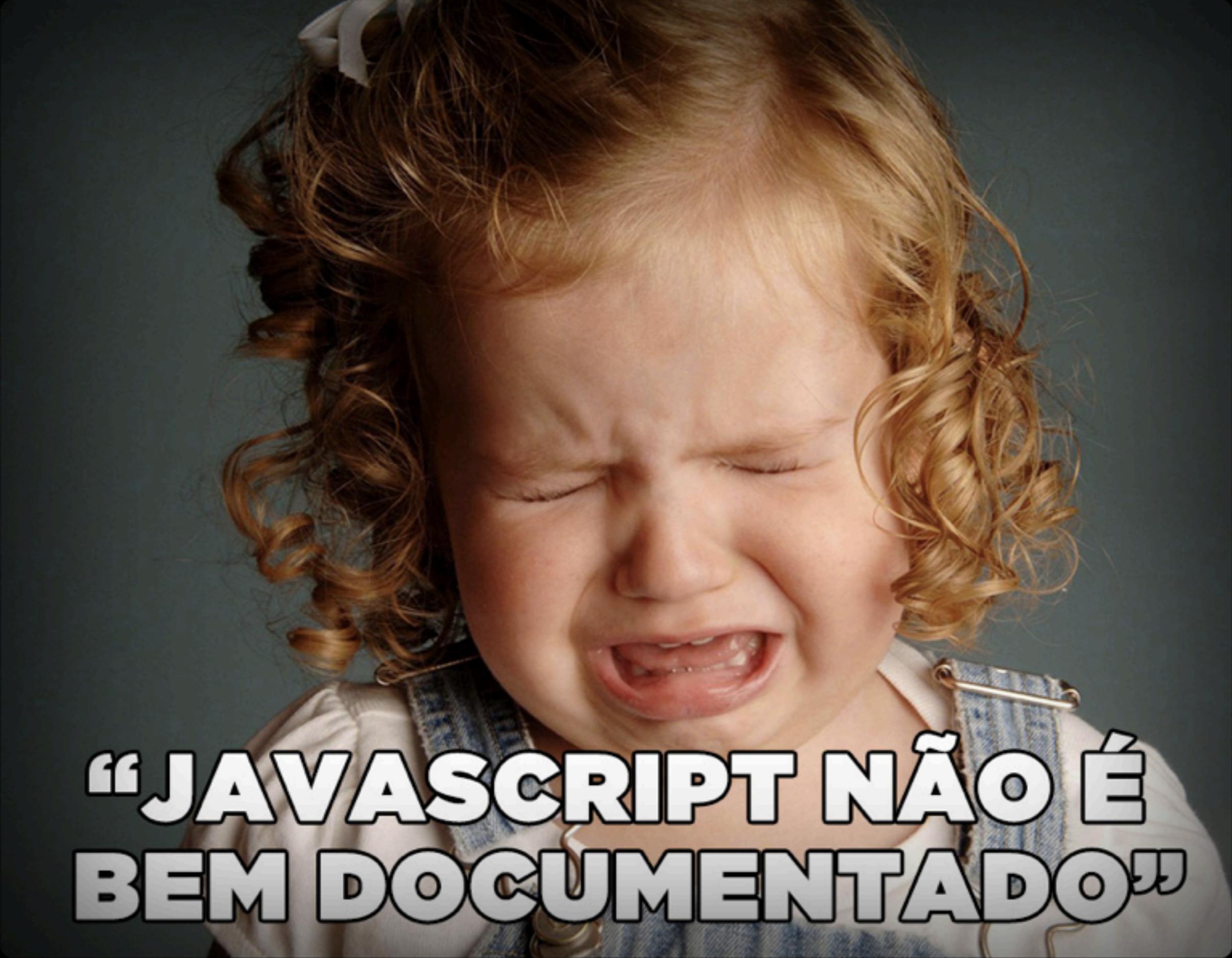
- Simple Maps and Sets - The spec is incomplete but I will be landing what's there now in [bug 697479](#).
- Binary data - [bug 578700](#)
- New reflection methods `Object.getOwnPropertyDescriptor`, `Object.getPropertyNames`
- Two more reflection methods (`rejects?`) are proposed here: [strawman:extended_object_api](#)
- `Number.isFinite`, `isNaN`, `isInteger`, and `toInteger`
- `String.prototype.repeat`, `startsWith`, `endsWith`, `contains`, `toArray`
- New reflection API that complements proxies: [harmony:reflect_api](#)
- `Object.is`, `isn't`
- `Math` - [bug 717379](#) (Math.log10, log2, log1p, expm1, cosh, sinh, tanh, acosh, asinh, atanh, hypot, trunc, sign; perhaps gamma perhaps randomint(n), see [bug 717379](#).)
- ES6 will spec that `Math.random` does not share state across multiple globals.

EcmaScript Sixth Edition

- let, const (define block-local vars), function in block scope
- destructuring: let {x, y} = pt; let [s, v, o] = triple(); (assuming let pt = {x:2, y:-5}, for instance).
- parameter default values: function f(x, y=1, z=0) {…}
- rest: function g(i, j, ...r) { return r.slice(i, j); } (instead of using arguments like a madman).
- spread: let a = [0,1,2,3], o = new Something(...a);
- proxies: let obj = Proxy.create(handler, proto). Long story short: ~ operator overloading with object-like elements.
- weak map: let map = new WeakMap. Use it if you have circular references in it.
- generators: function* gen() { yield 1; yield 2; } Actually, gen() returns ~ an object with a next() function property.
- iterators: for (var [key, val] of items(x)) { alert(key + ',' + val); }. Iterators can be generators or proxies.
- array and generator comprehension: [a+b for (a in A) for (b in B)] (array comprehension), (x for (x of generator 'blue')) (generator expression).
- binary data: const Pixel = new StructType({x:uint32, y:uint32, color:Color}) (if Color is itself a StructType), ne
- class syntax, with extends, prototype, and super:

```
class Point extends Base {
    constructor(x,y) {
        super();
        this[px] = x, this[py] = y;
        this.r = function() { return Math.sqrt(x*x + y*y); }
    }
}
```

espadrine.github.io/New-In-A-Spec/es6



**“JAVASCRIPT NÃO É
BEM DOCUMENTADO”**



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We hope we can illuminate why W3Schools is a troublesome resource, why their faulty information is a detriment to the web, and what you (and they) can do about it.

– members of the Front-end Dev Community, January 14th, 2011

FROM:

w3fools.com

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--- */



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Boxjs gives you the flexibility of a **modular loading system** whilst providing the speed of a **single, compressed JS file**

Hit me with the basics

To get started, include the Boxjs library (only 2kb) in your page.

```
<script src="http://www.boxjs.com/box.js"></script>
```

Then just call Box with your site host URL and an array of files you wish to load.

```
Box('http://mywebsite.com/scripts/', [
  'plugins/jquery.js',
  'plugins/json2.js',
  'plugins/jquery-class.js'
]);

```

News



boxjs @Siegel_Dave well hook you up!

350 days ago · reply · retweet · favorite

boxjs Better error reporting, improved speed, Sass and support forums are on their way. follow us for updates! #boxjs #boxcss

over a year ago · reply · retweet · favorite

boxjs For all those worried about reliability of our boxes, please visit the website for some added info. #boxcss #boxresizer #boxjson #boxjs



THE ONLY SCRIPT IN YOUR <HEAD>

A tiny script that speeds up, simplifies and modernizes your site

Load scripts like images. Use HTML5 and CSS3 safely. Target CSS for different screens, paths, states and browsers. Make it the only script in your HEAD. A concise solution to universal issues. [the theory](#) »

Highlights

JavaScript loader

Load scripts in parallel but execute in order

```
head.js("/path/to/jquery.js", "/google/analytics.js", "/js/site.js", function() {
    // all done
});
```

JavaScript

Head JS loads JavaScript files like images without blocking the page. Your page will be faster even with a single combined file.

JavaScript organizer

You've read the books and placed SCRIPT SRC tags on the bottom. Good. But can you do this?

```
// use jQuery on the body of the page even though it is not included yet
head.ready(function() {
    $("#my").jquery_plugin();
});

// load jQuery whenever you wish bottom of the page
head.js("/path/to/jquery.js");
```

JavaScript

CSS modernizer

HeadJS adds classes to the HTML root element so that you can do this

```
/ target CSS for browsers without box-shadow support /
.no-boxshadow .box {
    border: 2px solid #ddd;
```

HEADJS

```
// carrega e executa um só script, sem bloquear o parser do DOM  
head.js("/path/to/file.js");  
  
// carrega script e executa função assim que terminar de carregá-lo  
head.js("/path/to/file.js", function() {  
});  
  
// carrega os arquivos em paralelo mas os executa em sequência  
head.js("file1.js", "file2.js", ... "fileN.js");  
  
// executa a função depois que todos os scripts forem carregados  
head.js("file1.js", "file2.js", function() {  
});
```

SCRIPT SRC
in head

SCRIPT SRC
on bottom

head.js
on head

3298 ms

Press **CTRL+SHIFT+R** to reload with an empty cache = first impression.

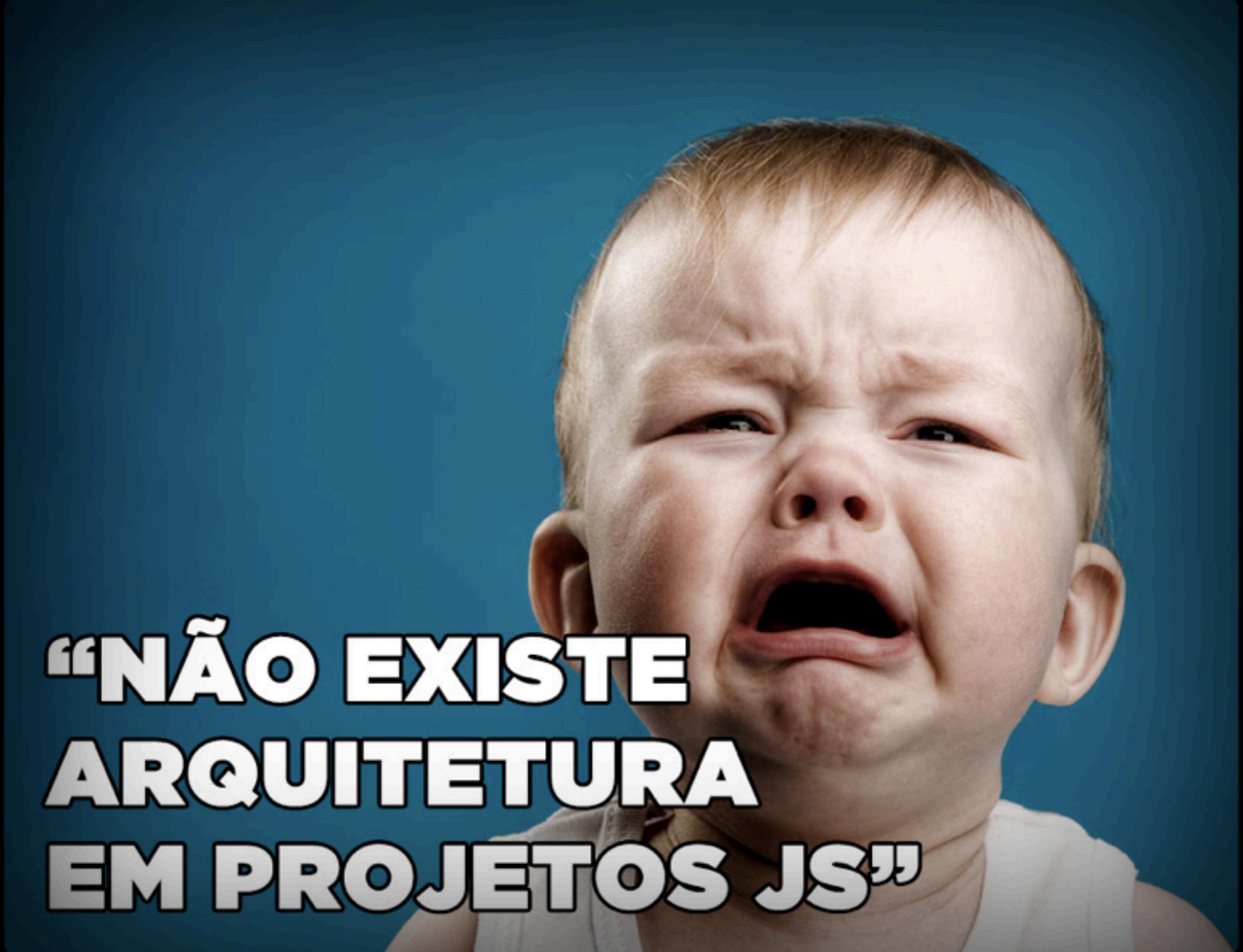
View source to see how scripts are provided.

Time is calculated when `window.onload` fires.

Try with different browsers. The time difference varies a lot.

» headjs.com | found a bug?

headjs.com/test/script.html

A close-up photograph of a baby with light blonde hair, crying with an open mouth and a furrowed brow. The background is a solid blue.

**“NÃO EXISTE
ARQUITETURA
EM PROJETOS JS”**

[Backbone.js \(0.9.2\)](#)

- » GitHub Repository
- » Annotated Source

[Introduction](#)

[Upgrading](#)

[Events](#)

- on
- off
- trigger

[Model](#)

- extend
- constructor / initialize
- get
- set
- escape
- has
- unset
- clear
- id
- idAttribute
- cid
- attributes
- changed
- defaults
- toJSON
- fetch
- save
- destroy
- validate
- isValid
- url
- urlRoot
- parse
- clone
- isNew
- change
- hasChanged
- changedAttributes
- previous
- previousAttributes

[Collection](#)

- extend
- model
- constructor / initialize



BACKBONE.JS

Backbone.js gives structure to web applications by providing **models** with key-value binding and custom events, **collections** with a rich API of enumerable functions, **views** with declarative event handling, and connects it all to your existing API over a RESTful JSON interface.

The project is [hosted on GitHub](#), and the [annotated source code](#) is available, as well as an online [test suite](#), an [example application](#), a [list of tutorials](#) and a [long list of real-world projects](#) that use Backbone. Backbone is available for use under the [MIT software license](#).

You can report bugs and discuss features on the [GitHub issues page](#), on Freenode IRC in the `#documentcloud` channel, post questions to the [Google Group](#), add pages to the [wiki](#) or send tweets to [@documentcloud](#).

Backbone is an open-source component of [DocumentCloud](#).

Downloads & Dependencies (Right-click, and use "Save As")

[Development Version \(0.9.2\)](#)

52kb, Full source, lots of comments

[Production Version \(0.9.2\)](#)

5.6kb, Packed and gzipped

Backbone's only hard dependency is [Underscore.js](#) (> 1.3.1). For RESTful persistence, history support via [Backbone.Router](#) and DOM manipulation with [Backbone.View](#), include [json2.js](#), and either [jQuery](#) (> 1.4.2) or [Zepto](#).

Spine

Build Awesome JavaScript
MVC Applications

[Download \(version 1.0.8\)](#)

MVC

The Model View Controller pattern is at the heart of Spine, and absolutely integral to modern JavaScript applications.

Simplicity

Spine is a simple and lightweight framework, and doesn't consist of a vast amount of complex widgets to configure and theme.

Documentation

Spine strives to have the best, and most friendly documentation for any JavaScript framework available.

[More information...](#)

[Home](#) [Documentation](#) [Spine Mobile](#) [About](#)



ANGULARJS

by Google

HTML enhanced for web apps!

[View on GitHub](#)[Download \(1.0.1\)](#)[Follow +AngularJS on](#)[Follow @angularjs](#) 3,124 followers[Tweet](#) 1,665

Why AngularJS?

HTML is great for declaring static documents, but it falters when we try to use it for declaring dynamic views in web-applications. AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop.

Alternatives

Other frameworks deal with HTML's shortcomings by either abstracting away HTML, CSS, and/or JavaScript or by providing an imperative way for manipulating the DOM. Neither of these address the root problem that HTML was not designed for dynamic views.

Extensibility

AngularJS is a toolset for building the framework most suited to your application development. It is fully extensible and works well with other libraries. Every feature can be modified or replaced to suit your unique development workflow and feature needs. Read on to find out how.

angularjs.org

A framework for creating ambitious web applications.

[DOWNLOAD EMBER 0.9.8.1](#)[GET THE STARTER KIT](#)42k min+gzip | [debug build](#)

MORE PRODUCTIVE OUT OF THE BOX.



Write dramatically less code with Handlebars templates that update automatically when the underlying data changes.



Don't waste time making trivial choices. Ember.js incorporates common idioms so you can focus on what makes your app special, not reinventing the wheel.



Ember.js is built for productivity. Designed with developer ergonomics in mind, its friendly APIs help you get your job done—fast.

emberjs.com

GETTING STARTED WITH EMBER.JS IS EASY.

Knockout.

Simplify dynamic JavaScript UIs by applying the Model-View-View Model (MVVM) pattern

Download
v2.1.0 - 14kb min+gz



Key concepts



Declarative Bindings

Easily associate DOM elements with model data using a concise, readable syntax



Automatic UI Refresh

When your data model's state changes, your UI updates automatically



Dependency Tracking

Implicitly set up chains of relationships between model data, to transform and combine it



Templating

Quickly generate sophisticated, nested UIs as a function of your model data

More features

- ✓ Free, open source ([MIT license](#))
- ✓ Pure JavaScript — works with any web framework
- ✓ Small & lightweight — 40kb minified
... reduces to 14kb when using HTTP compression
- ✓ No dependencies
- ✓ Supports all mainstream browsers

IE 6+, Firefox 2+, Chrome, Opera, Safari (desktop/mobile)

knockoutjs.com

API docs, live examples, and interactive tutorials included

New: Interactive tutorials

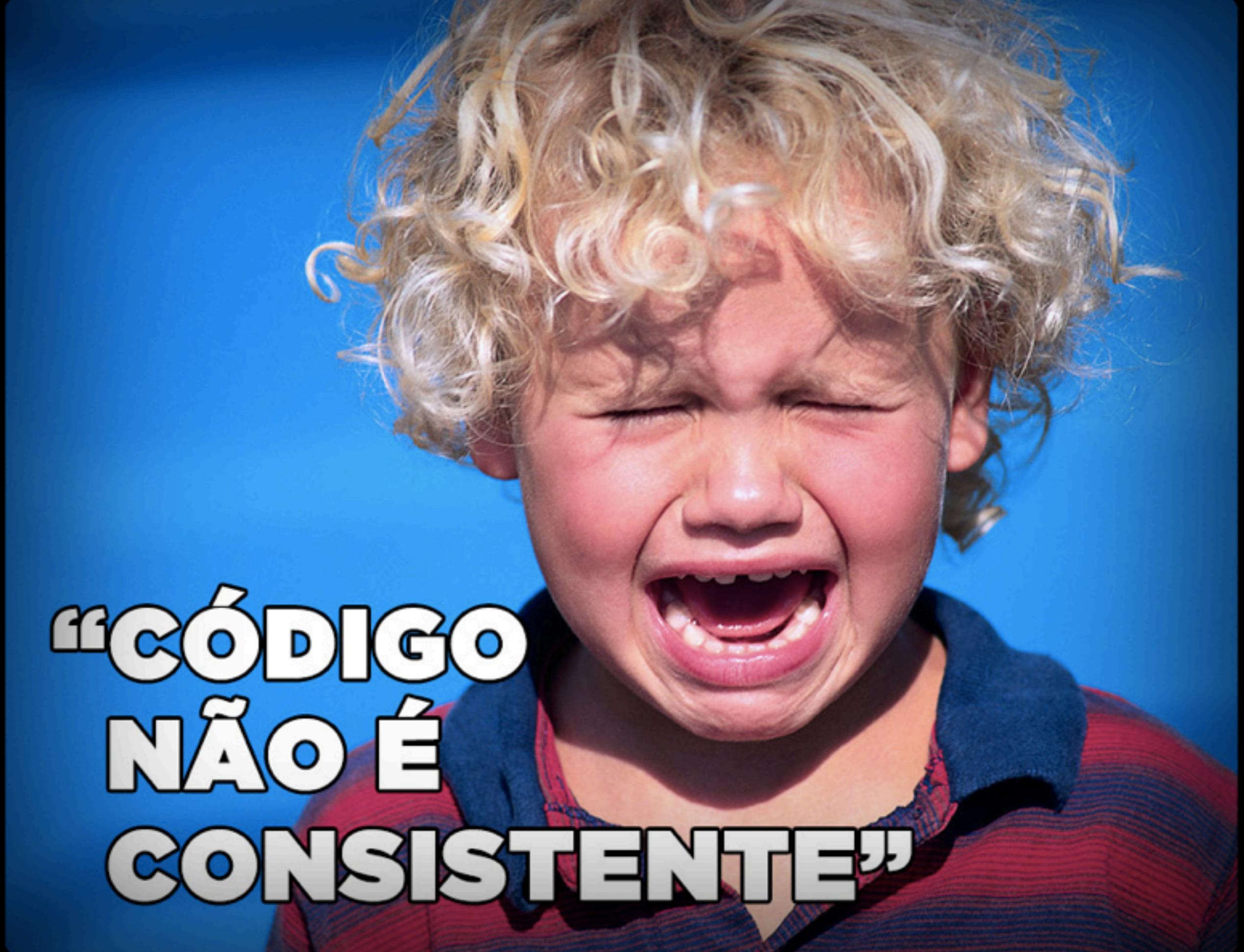
Get started with knockout.js quickly, learning to build single-page applications, custom bindings and more with [these interactive tutorials](#).

Live example

Run it:

Choose a ticket class:

Source code:



**“CÓDIGO
NÃO É
CONSISTENTE”**

NO CSS

```
table.hl {  
margin: 2em 0; }  
  
table.hl td.ln {  
text-align: right;  
}  
  
li { font-family: serif;  
font-weight: bold;  
font-size: 1.2em;  
}
```

NO JS

```
this.loadTheme_(settings.theme || [])
var a,
b, d;

if (settings.favIcon) { this.addFavIcon_(settings.favIcon);
}

// Prettyprint. Default to on.
if (!!(usePrettify' in settings) || settings.usePrettify) {
prettyPrint();
}
```

PUBLIC



rwldrn / idiomatic.js

Watch

2,259

Fork

237

Code

Network

Pull Requests 4

Issues 8

Wiki

Graphs

Principles of Writing Consistent, Idiomatic JavaScript — [Read more](#)

Clone in Mac

ZIP

HTTP

Git Read-Only

git://github.com/rwldrn/idiomatic.js.git

Read-Only access

branch: master

Files

Commits

Branches 5

Tags

Downloads

 Latest commit to the **master** branchAdds * Дејан Димић (@dejan_dimic) (http://twitter.com/dejan_dimic), [g...

rwldrn authored 9 days ago

commit 6a13491ff0

idiomatic.js /

name	age	message	history
translations	9 days ago	Merge branch 'master' of https://github.com/rubystream/idiomatic.js [rwldrn]	
.gitattributes	a year ago	Make line endings consistent across files (LF). [mathiasbynens]	
.gitignore	3 months ago	German translation [PascalPrecht]	
cc-license.md	14 days ago	Add Creative Commons license. Fixes #73 [rwldrn]	
contributors.md	3 months ago	German translation [PascalPrecht]	
readme.md	9 days ago	Adds * Дејан Димић (@dejan_dimic) (http://twitter.com/dejan_dimic), [g... [rwldrn]	

readme.md

Principles of Writing Consistent, Idiomatic JavaScript
github.com/rwldrn/idiomatic.js

This is a living document and new ideas for improving the code around

us are always welcome. Contribute: fork, clone, branch, commit, push,

PUBLIC



necolas / idiomatic-css

 Unwatch

1,460

 Fork

152

Code

Network

Pull Requests 7

Issues 8

Graphs

Principles of writing consistent, idiomatic CSS. — [Read more](#) Clone in Mac ZIP HTTP Git Read-Only

git://github.com/necolas/idiomatic-css.git

 Read-Only access branch: master

Files

Commits

Branches 1

Tags

Downloads

 Latest commit to the **master** branch

Fix typo and rename dir 'sr' to 'sr-SR'

 necolas authored a month ago commit 7906004b5c

idiomatic-css /

name	age	message	history
 translations	a month ago	Fix typo and rename dir 'sr' to 'sr-SR' [necolas]	
 README.md	a month ago	Expand on the Naming guidelines [necolas]	

README.md

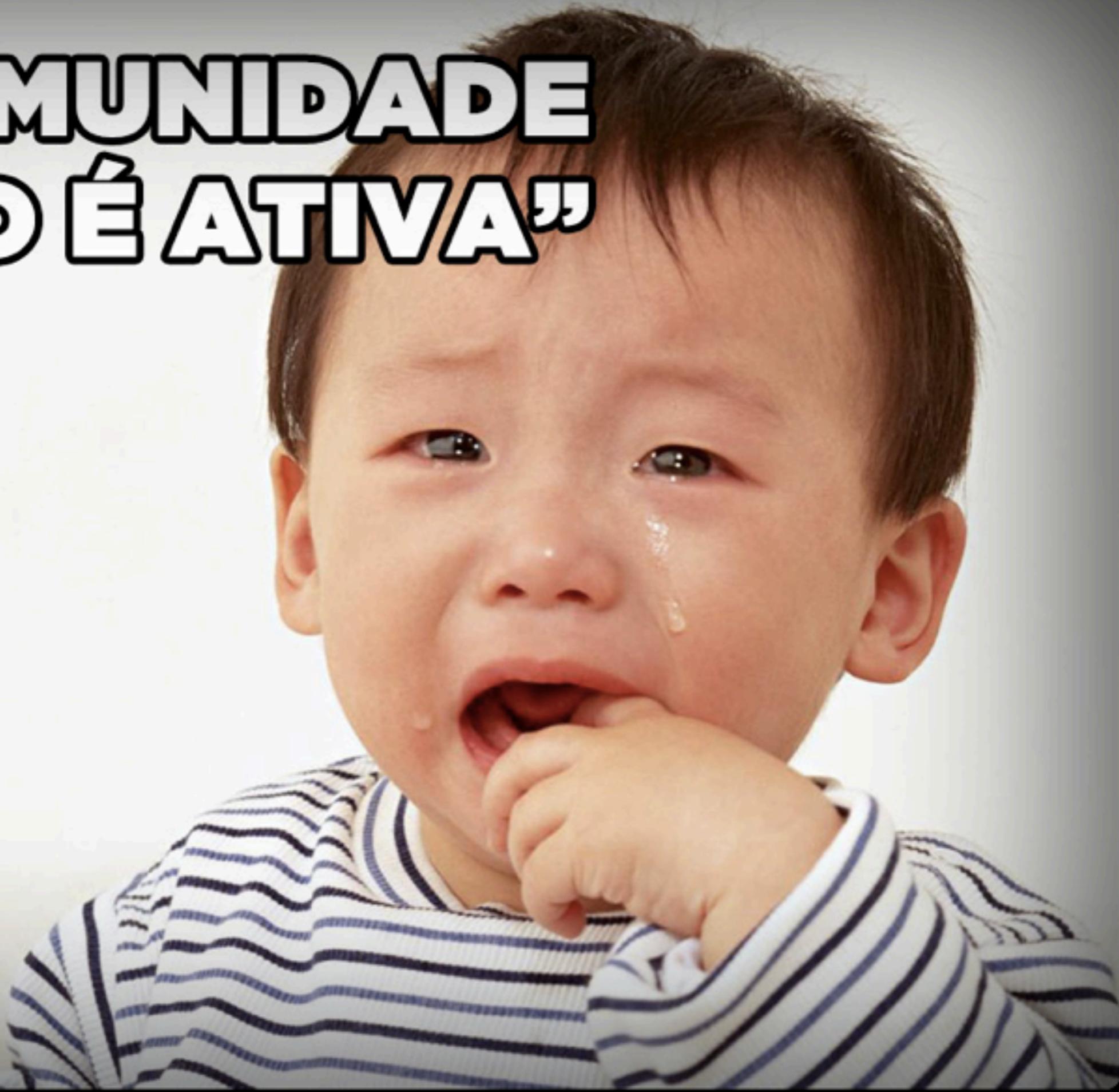
Principles of writing consistent, idiomatic CSS

The following document outlines a reasonable style guide for CSS development. It is not meant to be prescriptive and I do not wish to impose my style preferences on other people's code. However, these guidelines do strongly encourage the use of existing, common, sensible patterns.

This is a living document and new ideas are always welcome. Please contribute.

github.com/necolas/idiomatic-css
[Translations](#)

**"COMUNIDADE
NÃO É ATIVA"**



Top Languages

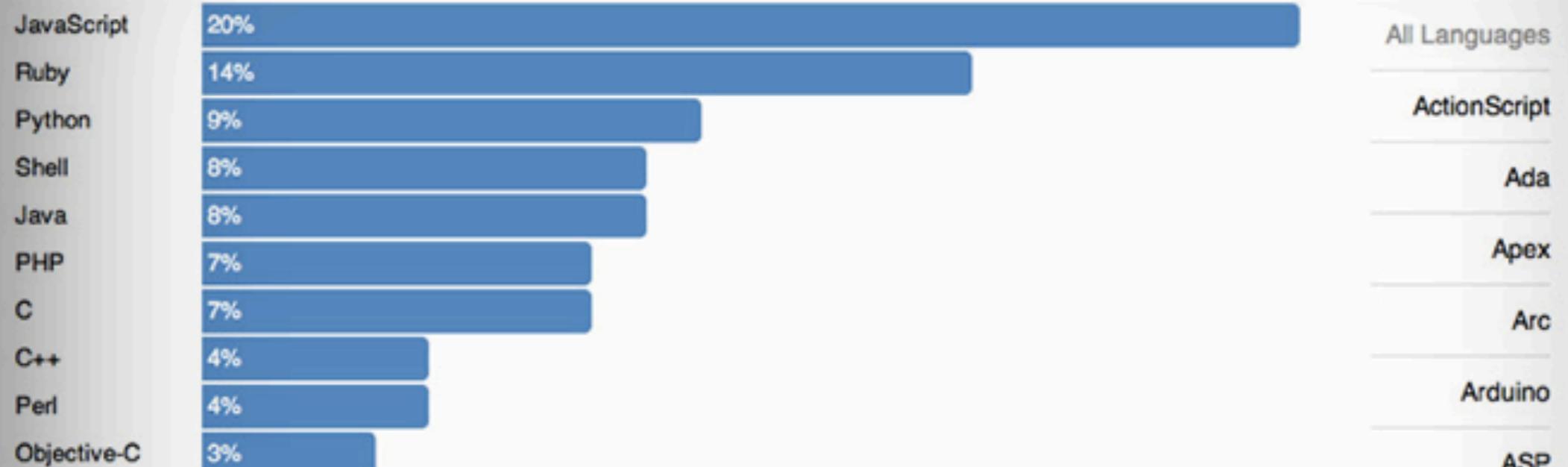
Explore

Repositories

Languages

Timeline

Search



Paris

Eiffel.js

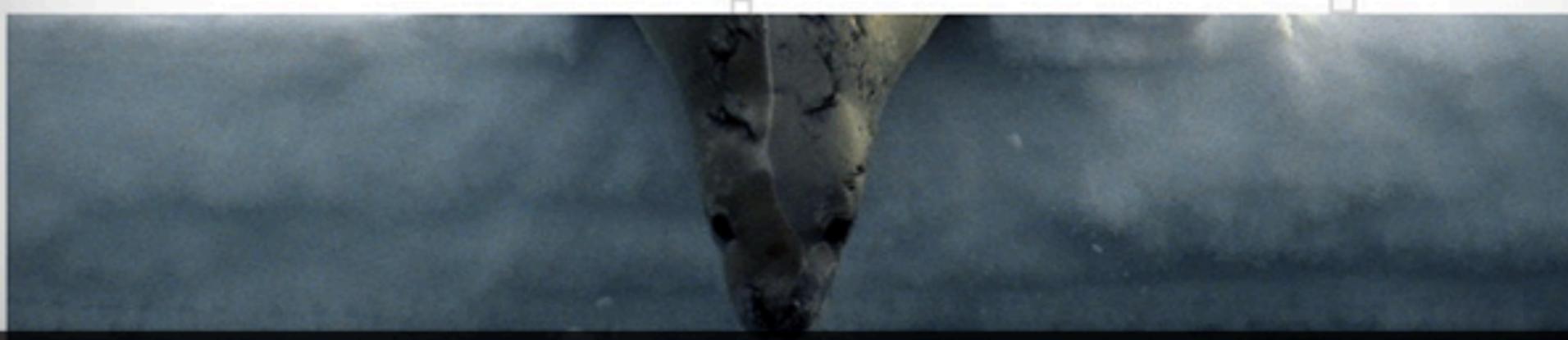


A Javascript conference in top of eiffel tower. Request an invite at : eiffeljs@extremejs.com

Price : Free | Date : 11 July 2012 | Talks : TBA

Antarctic

Antartic.js



extremejs.com

A Javascript conference in middle of antarctic. [\[Website\]](#)

BRAZILJS

PORTO ALEGRE 2012



A MAIOR CONFERÊNCIA
DE JAVASCRIPT
DO UNIVERSO

30 e 31 de Agosto
Teatro do Bourbon Country
Porto Alegre / RS



[INSCRIÇÕES](#)

[PALESTRANTES](#)

[PROGRAMAÇÃO](#)

[LOCAL](#)

[SOBRE](#)

braziljs.com.br

BrazilJS: unidos crescemos

Não levamos apenas conteúdo para as pessoas, nós queremos uní-las.



Junte-se a nós

Estamos iniciando um movimento de unificação das comunidades brasileiras de desenvolvimento em torno do JavaScript, seja front-end ou back-end. Fique ligado nas novidades que estamos preparando para vocês. [Entre no grupo de discussão.](#)

[Cadastrar](#)

braziljs.org

BrazilJS Foundation é uma fundação sem fins lucrativos com a missão de mover e unir a comunidade de JavaScript no Brasil.

**“CÓDIGO NÃO É
DE QUALIDADE”**





Source

/ Paste quality code here

JS

Lint

Options

rate...

default bitwise operators

default continue

default debugger statements

default == and !=

default ES5 syntax

default eval

default unifile

default uncapitalized constructors

Tolerate...

default dangling _ in identifiers

default ++ and --

default . and [...] in /RegExp/

default misordered definitions

default unused parameters

default missing 'use strict' pragma

default stupidity

default inefficient subscripting

Tolerate...

default TODO comments

default many var statements per function

default messy white space

default CSS workarounds

default HTML case

default HTML event handlers

default HTML fragments

Assume...

default a browser

default console,alert, ...

default Node.js

default Rhino

default Windows

Indentation

Maximum line length

Maximum number of errors

JSHint is a tool to detect errors and potential problems in JavaScript code.

```
1 // Your code goes here.
```

Lint

Warn

jshint.com

About unsafe for..in

About == null

About arguments.caller and .callee

Assume

Browser

Development (console, etc.)

jQuery

EcmaScript 5

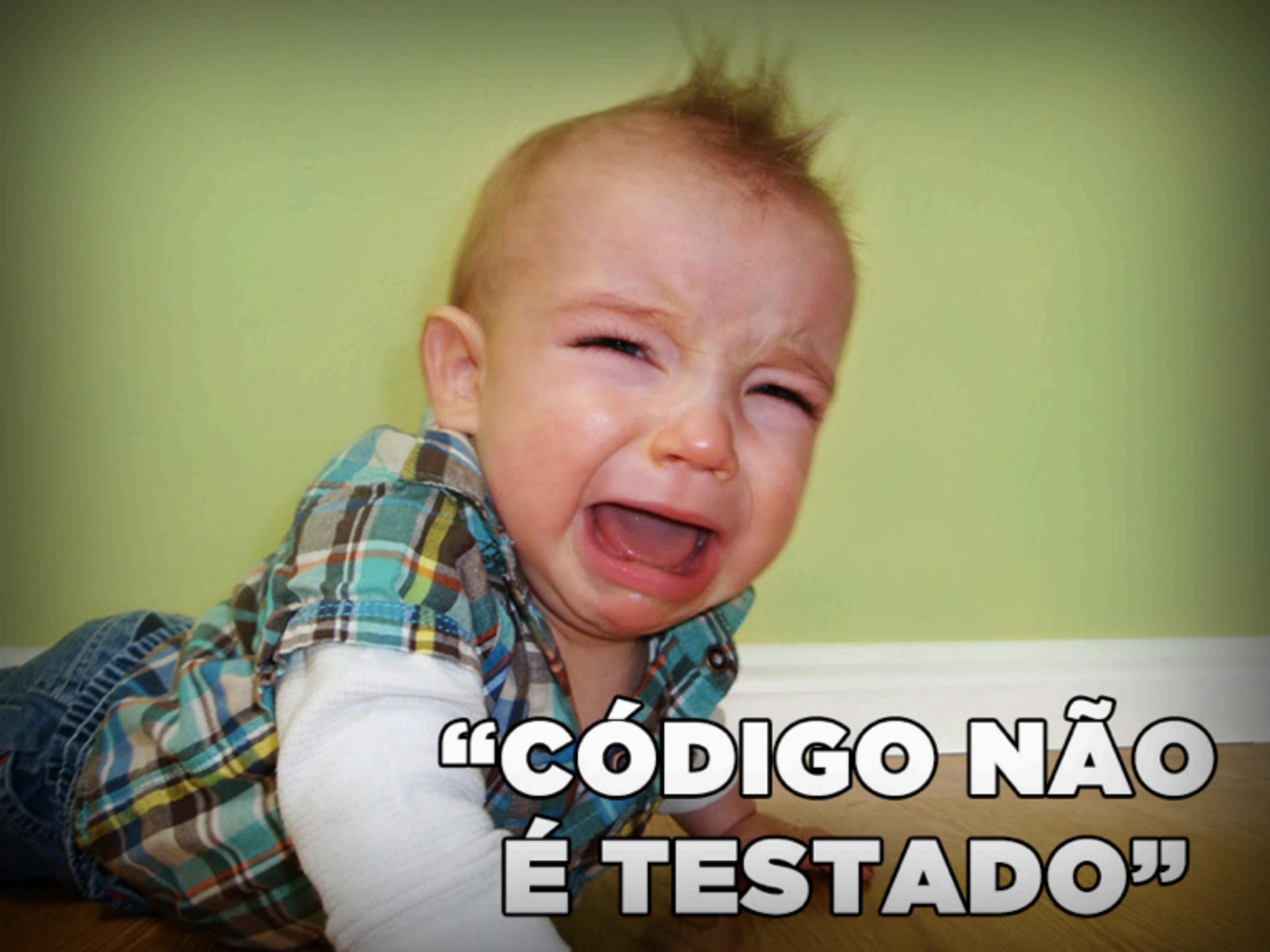
CSS LINT

Will hurt your feelings*
(And help you code better)

Your CSS goes here. The more, the better. Linting works best when we see the big picture, so give us everything you've got.

LINT! ▾

csslint.net

A close-up photograph of a baby with light brown hair, wearing a blue and white plaid shirt over a white t-shirt. The baby is crying, with their mouth wide open and eyes closed. They are holding a roll of white toilet paper in their right hand. The background is a plain, light-colored wall.

**“CÓDIGO NÃO
É TESTADO”**



introduction.js

Jasmine is a behavior-driven development framework for testing JavaScript code. It does not depend on any other JavaScript frameworks. It does not require a DOM. And it has a clean, obvious syntax so that you can easily write tests.

This guide is running against Jasmine version 1.2.0 revision 1337006083.

Suites: `describe` Your Tests

A test suite begins with a call to the global Jasmine function `describe` with two parameters: a string and a function. The string is a name or title for a spec suite - usually what is under test. The function is a block of code that implements the suite.

Specs

Specs are defined by calling the global Jasmine function `it`, which, like `describe` takes a string and a function. The string is a title for this spec and the function is the spec, or test. A spec contains one or more expectations that test the state of the code under test.

An expectation in Jasmine is an assertion that can be either true or false. A spec with all true expectations is a passing spec. A spec with one or more expectations that evaluate to false is a failing spec.

It's Just Functions

[pivot.always.com/jasmine](https://pivotal.github.com/jasmine)

Since `describe` and `blocks` are functions, they can contain any executable code necessary to implement the test.

JavaScript scoping rules apply, so variables declared in a

```
describe("A suite", function() {
  it("contains spec with an expectation", function() {
    expect(true).toBe(true);
  });
});
```

```
describe("A suite is just a function", function() {
  var a;
  it("and so is a spec", function() {
    a = true;
```



QUnit: A JavaScript Unit Testing framework.

What is QUnit?

QUnit is a powerful, easy-to-use JavaScript unit test suite. It's used by the jQuery, jQuery UI and jQuery Mobile projects and is capable of testing any generic JavaScript code, [including itself!](#)

Get Involved

- Check out the [API documentation](#) or the [Cookbook](#) to learn how to use QUnit.
- To see more examples, check out the unit tests of [jQuery](#), [jQuery UI](#) or the [jQuery Validation Plugin](#).
- The code is located at: <http://github.com/jquery/qunit>.
- Planning for QUnit and other testing tools also happens on the [on the jQuery Testing Team planning wiki](#).
- Please post to the [QUnit and testing forum](#) for anything related to QUnit or testing in general.
- For announcements, follow [@qunitjs](#)

History

QUnit was originally developed by John Resig as part of jQuery. In 2008 it got its own home, name and API documentation, allowing others to use it for their unit testing as well. At the time it still depended on jQuery. A rewrite in 2009 fixed that, now QUnit runs completely standalone.

QUnit's assertion methods follow the [CommonJS Unit Testing](#) specification, which was to some degree influenced by QUnit.

Getting Started

A minimal QUnit test setup:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="utf-8">
5      <title>QUnit Example</title>
6      <link rel="stylesheet" href="/resources/qunit.css">
7  </head>
8  <body>
9      <div id="qunit"></div>
10     <script src="/resources/qunit.js"></script>
11     <script src="/resources/tests.js"></script>
12 </body>
13 </html>
```

The contents of tests.js:

```
test( "hello test", function() {
    ok( 1 == "1", "Passed!" );
});
```

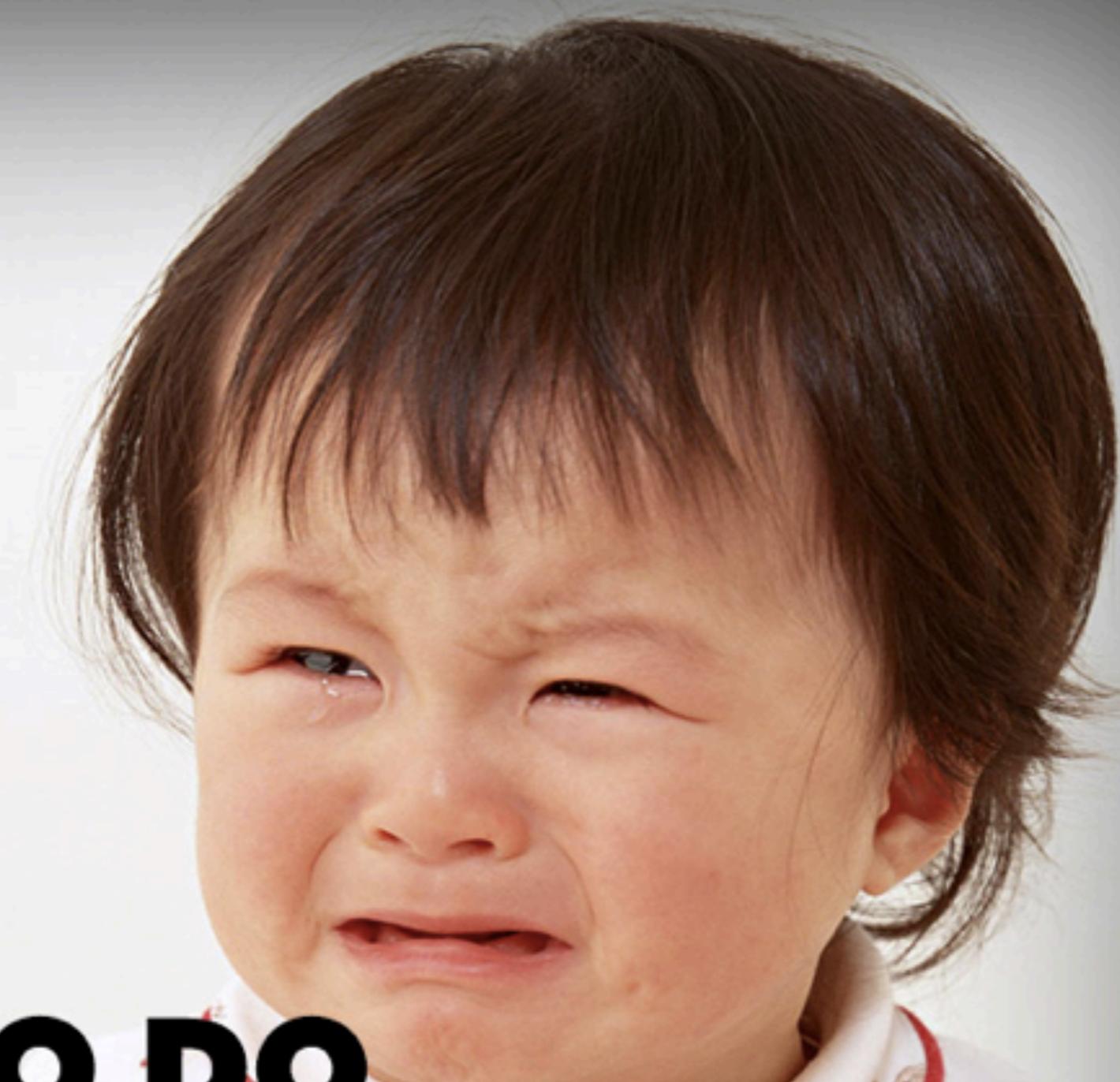
The result:

QUnit Example ■ noglobals ■ notrycatch

Hide passed tests

Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_4) AppleWebKit/537.1 (KHTML, like Gecko) Chrome/21.0.1180.57 Safari/537.1

Tests completed in 33 milliseconds.
1 tests of 1 passed, 0 failed.



**“PRECISO DO
BROWSER PARA
RODAR TESTES”**

Insanely fast, headless full-stack testing using Node.js

The Bite

If you're going to write an insanely fast, headless browser, how can you not call it Zombie? Zombie it is.

Zombie.js is a lightweight framework for testing client-side JavaScript code in a simulated environment. No browser required.

Let's try to sign up to a page and see what happens:

```
var Browser = require("zombie");
var assert = require("assert");

// Load the page from localhost
browser = new Browser()
browser.visit("http://localhost:3000/", function () {

    // Fill email, password and submit form
    browser.
        fill("email", "zombie@underworld.dead").
        fill("password", "eat-the-living").
        pressButton("Sign Me Up!", function() {

            // Form submitted, new page loaded.
            assert.ok(browser.success);
            assert.equal(browser.text("title"), "Welcome To Brains Depot");
        });

});
```

[Getting Started](#)

[The API](#)

[CSS Selectors](#)

[Troubleshooting](#)

[The Guts](#)

[Download PDF](#)

[Google Group](#)

[IRC: #zombie.js](#)

[Github/Issues](#)

[Changelog](#)

[Annotated Source](#)

[Code Coverage](#)

[build status](#)

[Donate](#)

[More Magic!](#)



Full web stack No browser required

PhantomJS is a headless WebKit with JavaScript API. It has fast and native support for various web standards: DOM handling, CSS selector, JSON, Canvas, and SVG.
PhantomJS is created by [Ariya Hidayat](#).

[Download v1.6](#)[Get started](#)

Simple Javascript example

```
console.log('Loading a web page');
var page = new WebPage();
var url = "http://www.phantomjs.org/";
page.open(url, function (status) {
    //Page is loaded!
    phantom.exit();
});
```

[Community:](#)[Read the release notes](#)[Join the mailing list](#)[Report bugs](#)

PhantomJS is an optimal solution for

HEADLESS WEBSITE TESTING

Run functional tests with frameworks such as Jasmine, QUnit or CasperJS.

[Learn more](#)

SITE SCRAPING

Access and manipulate webpages with the standard DOM API, or with usual libraries like jQuery.

[Learn more](#)

SVG RENDERING

Render SVG graphics with the built-in Webkit rendering engine.

[Learn more](#)

NETWORK MONITORING

Monitor page speed loading. Export as standard HAR files.

[Learn more](#)

PhantomJS can also integrate with webservices (XML, JSONP, YQL) and with test frameworks (Jasmine, QUnit). [See more examples](#)

PHANTOMJS

Como obter o título de uma página web, **sem abri-lá?**

```
var page = require('webpage').create(),
    url = "http://localhost:8000/";

page.open(url, function (status) {

    var title = page.evaluate(function () {
        return document.title;
    });

    console.log('O título da página é: ' + title);

});
```



**"PRECISO APRENDER
LINGUAGENS NATIVAS
PARA CRIAR APPS"**



PhoneGap

About

Developer

Community

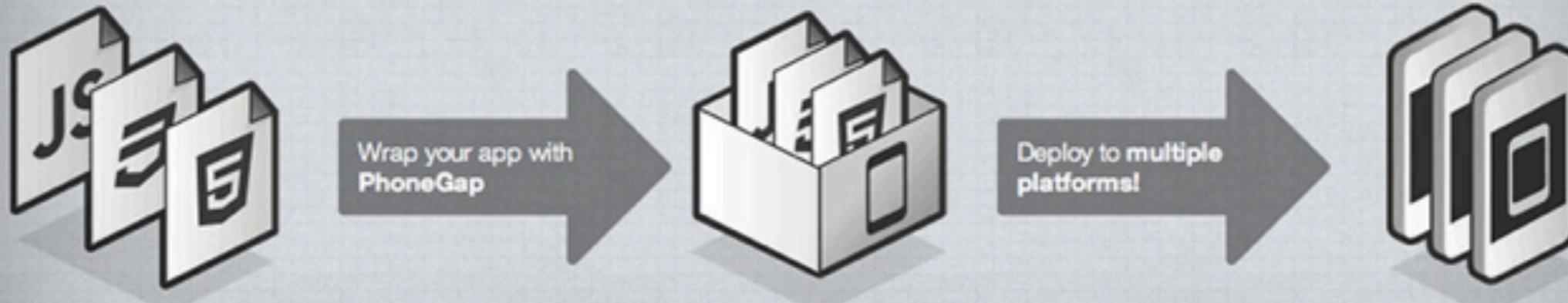
Apps

Support

Download

Easily create apps with the only free **open source** framework that supports **7 mobile platforms**.

Developing with **PhoneGap** gives you the freedom to create mobile applications for **iOS**, **Android**, **Blackberry**, **Windows Phone**, **Palm WebOS**, **Bada** and **Symbian** using the web code you know and love: **HTML**, **CSS** and **Javascript**.

[Getting Started Guides ▶](#)[Download PhoneGap ▶](#)phonegap.com

Take the pain out of compiling PhoneGap apps

Take the pain out of compiling PhoneGap apps — no more installing multiple SDKs on many computers. **Compile in the cloud.** From the creators of the PhoneGap framework,



Appcelerator/IDC Q2 2012 Mobile Developer Report

Survey Finds Apple Leading the Charge in the Enterprise; Developers See Android as a Consumer Opportunity, and Express Interest in Windows 8, Cloud Continues Momentum

[Download Report](#)

DEVELOPERS

Build Native Apps
with Titanium

PARTNERS & OEMs

Grow Your Business
with Titanium

BUSINESSES

4 Steps to Creating
a Mobile Strategy

[Download Titanium](#)*Developers Click Here* 

SAY "HELLO" TO SOME OF OUR CUSTOMERS:

... AND MORE!



Survey Finds Apple Leading the Charge in the Enterprise;
Developers See Android as a Consumer Opportunity and
Express Interest in Windows 8 Cloud Continues Momentum

mozilla

Bringing the Open Web to Mobile Devices

Welcome to a new, open and powerful mobile world!

We launched the Boot to Gecko project to enable the Open Web as a platform for mobile devices. We're making innovation possible by driving the development of new Web standards.



mozilla.org/en-US/b2g

New Web Standards

The project will produce an implementation of these new Web standards to free mobile platforms from the encumbrances of the rules and restrictions of existing proprietary platforms.

Freedom From Proprietary Mobile Platforms

“HTML5 É O FUTURO”



BOBAGEM!

QUER VER O
FUTURO DE VERDADE?



Innovation **#3**

The **<wind>** tag

Innovation #4

The **< taste >** tag



**HTML5
É HOJE!**



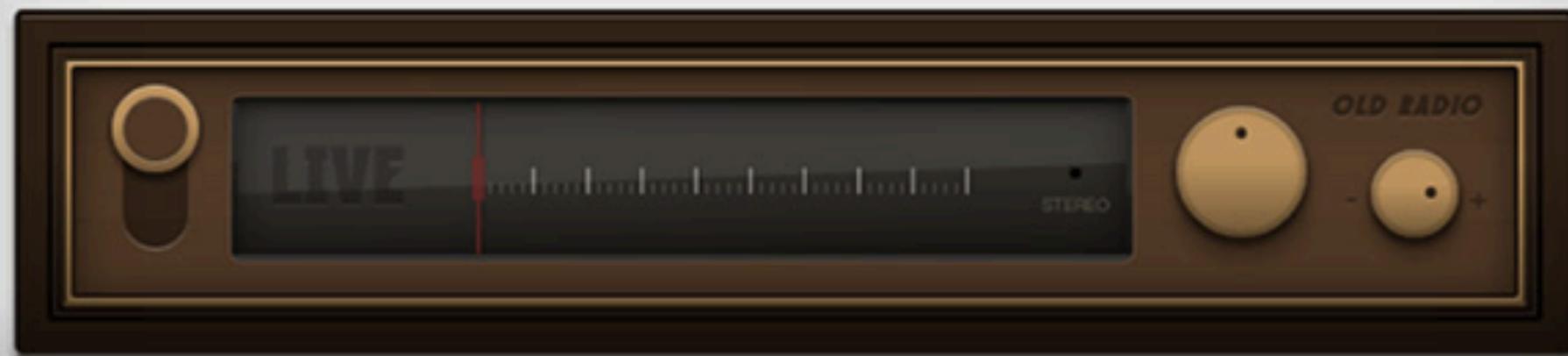
\approx



HTML + **CSS 3** + **JS APIs**

OLD RADIO

Just CSS3 (no images) + HTML5 (audio API) + JS (YUI3)



<http://mzl.la/OEbuQH>

WORMZ

html5 canvas experiment

speed

influence

random

trail

amount

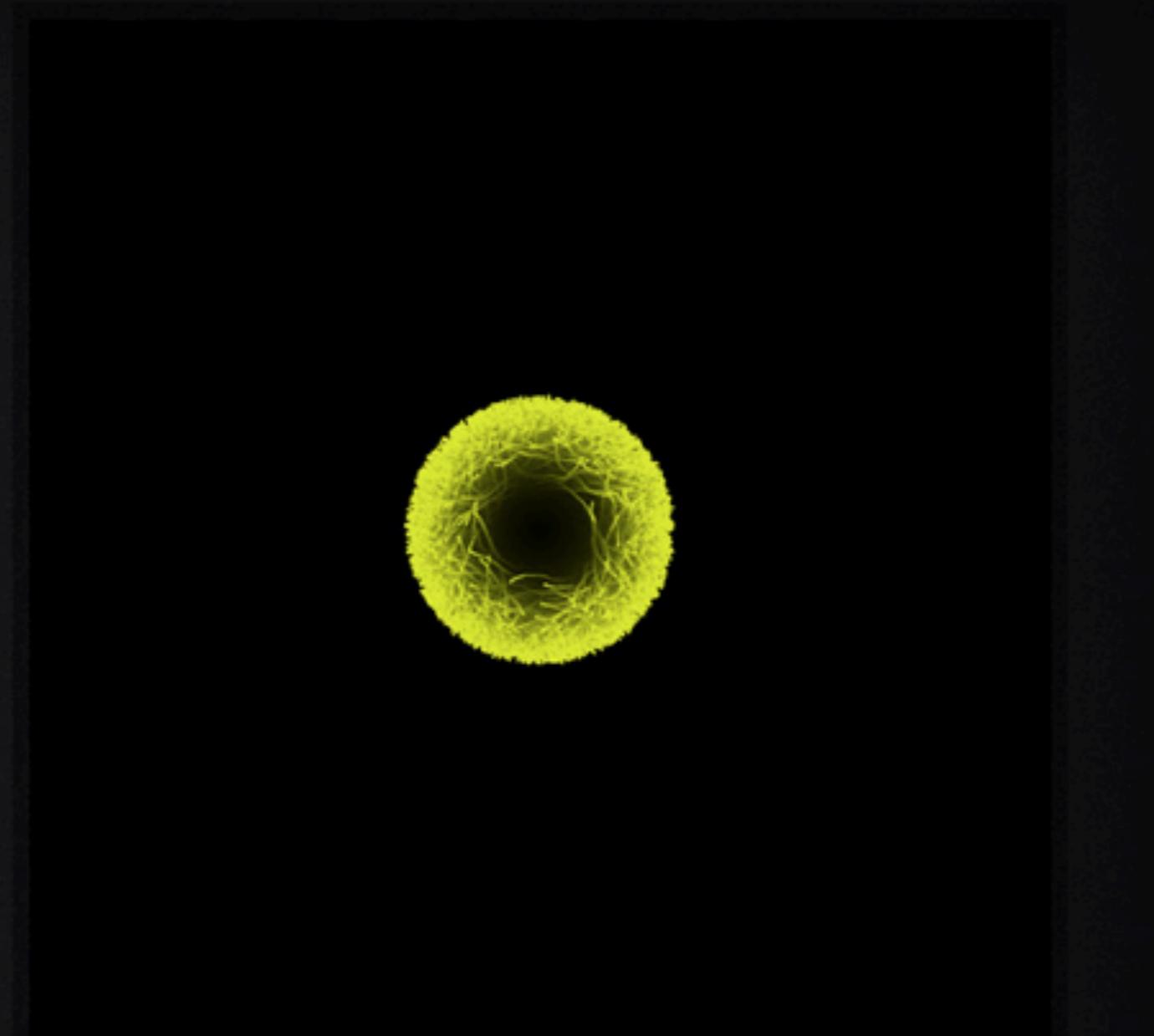
red

green

blue

Regenerate

Stop Slide



html5-pro.com/wormz

Find it on GitHub

<https://github.com/html5-pro/wormz>

Trigger Rally online edition

Log in

Current leader:  Luka Štefulj 1:07.237 — watch replay



Full screen

triggerrally.com/x/Preview/Arbusu/drive

Controls: arrow keys or W/S/A/D to drive, space for handbrake, C for camera.

**"HTML5 NÃO
FUNCIONA
NO IE"**



SEMÂNTICA

Para navegadores antigos uma tag `<header>` tem o mesmo valor semântico que uma tag `<zeno>`.

Portanto, precisamos dizer ao navegador que esses elementos devem ser renderizados como blocos.

No JS:

```
document.createElement("header");
```

No CSS:

```
header { display: block; }
```



Project Information

Starred by 854 users

[Activity](#)

Medium

[Project feeds](#)

Code license

[MIT License](#)

Labels

javascript, html5, ie

Members

remysh...@gmail.com

Public repo for the latest HTML5 JavaScript shim for IE to recognise and style the HTML5 elements.

Source code adds new HTML5 elements (which is simple code), but actually mirror's @jon_neal's and afarkas's currently up to date, and for the full details and uncompressed source code see here: <http://www.iecss.com/print>

Seriously, these guys did all the hard work - getting it to work in the browser was easy, @jon_neal and afarkas mirror's the spec and added some IE specific styling. Please take a moment to thank them!

To use this script, it must be included before the <body> element (i.e. in the <head>) but doesn't matter if it appears after the </body>. For the sake of performance, it would make better sense to include the CSS first *then* this script.

```
<!--[if lt IE 9]>
<script src="//html5shiv.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->
```

Note that the protocol has been removed so you don't have to when including on an http or https page [ref](#)

Common question: what's the difference between the html5shim and the html5shiv? **Answer:** nothing, one has been renamed.

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progressive internet explorer



PIE makes Internet Explorer 6-9 capable of rendering several of the most useful **CSS3** decoration features.

[Learn More](#)

Try the **DEMO**

This quick demo shows just a few of the CSS3 properties PIE can render. Use the controls to adjust the CSS3 applied to the box. Load this page in IE to see that it is rendered properly!

Mmmmm, pie.

CSS3 features

border-radius

Enable

Radius size:

box-shadow

Enable

Blur size: X offset: Y offset:

linear-gradient

Enable

Top color: Bottom color:

Options

Enable PIE (only affects IE)

Show CSS

css3pie.com

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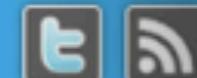
[Blog](#)

[Project @ GitHub](#)

Version
1.0beta5

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 Modernizr / Modernizr Watch Fork 3,416 237

Code

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Git Access

HTML5 Cross Browser Polyfills

[New Page](#)[Edit Page](#)[Page History](#)

So here we're collecting all the shims, fallbacks, and polyfills in order to implant html5 functionality in browsers that don't natively support them.

The general idea is that: we, as developers, should be able to develop with the HTML5 apis, and scripts can create the methods and objects that should exist. Developing in this future-proof way means as users upgrade, your code doesn't have to change but users will move to the better, native experience cleanly.

Looking for a way to conditionally load these scripts client-side based on feature detects? See [Modernizr](#)

The All-In-One Entirely-Not-Alphabetical No-Bullshit Guide to HTML5 Fallbacks

SVG

- [svgweb](#) by brad neuberg & others
 - fallback via Flash
- [Raphaël](#) by dmitry baranovsky

<http://bit.ly/svv9BU> Fallback for IE via VML.

- [Ample SDK](#) by Sergey ilinsky
- [canvg](#) by Gabe Lerner

“An indispensable tool.”

— Bruce Bowman, *Adobe BrowserLab Product Manager*

Modernizr is an open-source JavaScript library that helps you build the next generation of HTML5 and CSS3-powered websites.

Why use Modernizr?

Taking advantage of the new capabilities of HTML5 and CSS3 can mean sacrificing control over the experience in older browsers.

Modernizr 2 is your starting point for making the best websites and applications that work exactly right no matter what browser or device your visitors use.

Thanks to the new Media Query tests and built-

in [YepNope.js](#) micro-library as

`Modernizr.load()`, you can now combine feature detection with media queries and conditional resource loading. That gives you the power and flexibility to optimize for every circumstance.

<http://bit.ly/tPaw1E>
Check out the [Modernizr blog](#) to learn how Modernizr detects, or learn more about [conditional resource loading](#) with Modernizr.

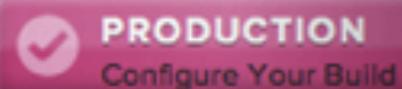
Download Modernizr 2

Use the commented, uncompressed Development version to develop with and learn from.

[View documentation](#)



Then, dive into the Production build tool and pick just the tests you need!



Get started with Modernizr

While Modernizr gives you finer control over the experience through JavaScript-driven feature detection, it is important to continue to use best practices throughout your development process. Use progressive enhancement wherever you can, and don't sacrifice accessibility for convenience or performance.

- [Documentation: Getting started](#)
- [Taking Advantage of HTML5 and CSS3 with Modernizr, Faruk Ateş](#)
- [How to use Modernizr, Inayaili de León](#)
- [wiki] [The Undetectables: features that cannot be detected](#)
- [wiki] [Cross-browser Polyfills](#)

Also check out our [Resources section](#).

Tip: use [haz.io](#) to quickly test your current browser's features.

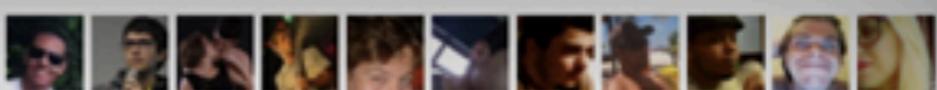
No!



dowebsitesneedtolookexactlythesameineverybrowser.com

A GUERRA AINDA NÃO ACABOU

- Saddam Hussein
- Osama Bin Laden
- Khaddafi
- Internet Explorer



incentive a atualização dos navegadores!

Diminua seus custos e potencialize o avanço da web
inserindo nossa barra de atualização.

Basta inserir o script abaixo no topo do seu site que a barra de atualização *salve a web* será exibida aos usuários que estiverem com o navegador desatualizado.

```
<script type="text/javascript" src="http://sawpf.com/1.0.js"></script>
```

porque você deve fazer parte

economicamente

diminuir custo de
desenvolvimento

<http://bit.ly/slbyFv>

Para os sites atenderem a
usuários de navegadores

tecnicamente

incentivar a evolução
da web

Por não seguirem os padrões
da W3C, os navegadores mais

promover uma internet
mais segura

Usuários com navegadores
antigos estão mais vulneráveis

diminuir custo de
atendimento

Navegadores desatualizados
geram altos custos de atendi-

“Content precedes design. Design in the absence of content is not design, it's decoration.”

— Jeffrey Zeldman

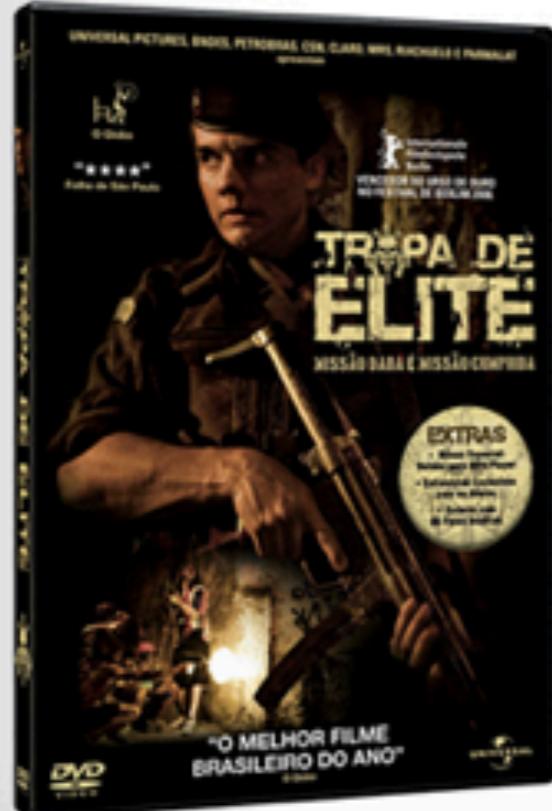
Conteúdo



Dispositivos de consumo



Conteúdo



Dispositivos de consumo

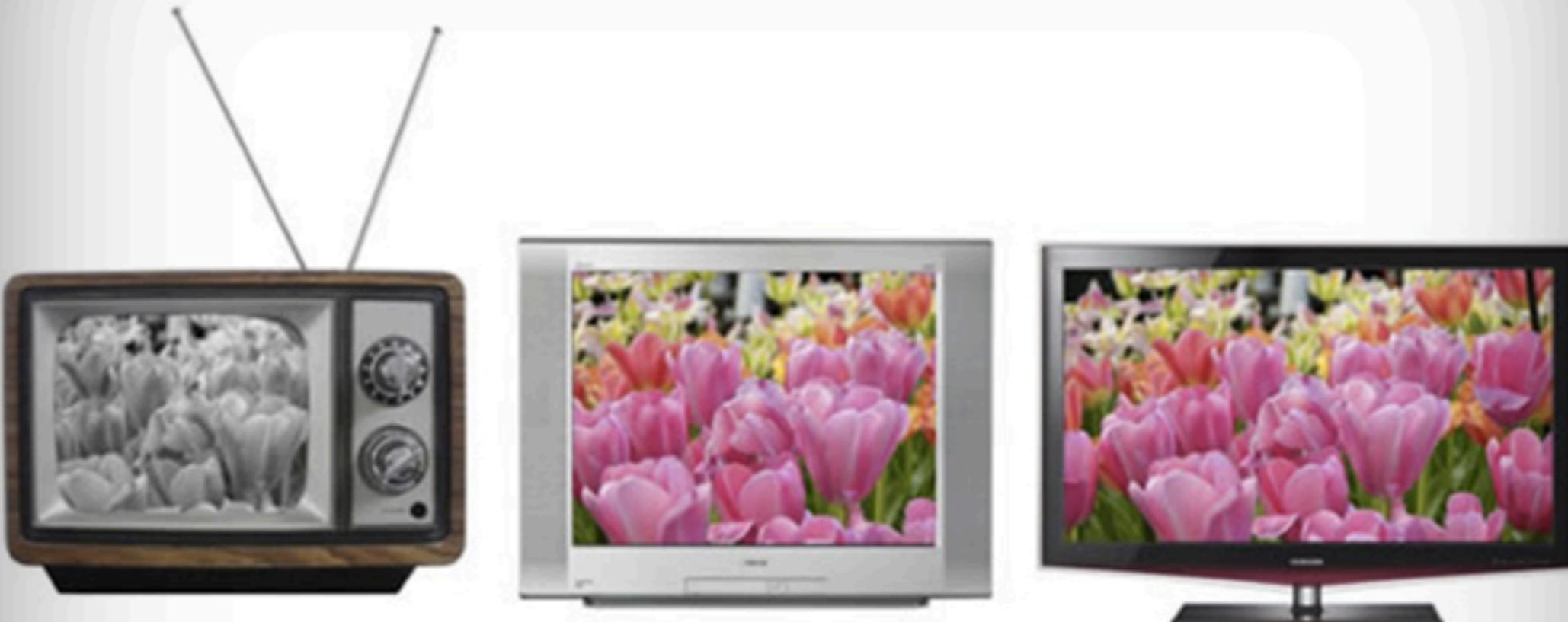




Navegadores antigos são como TVs preto e branco

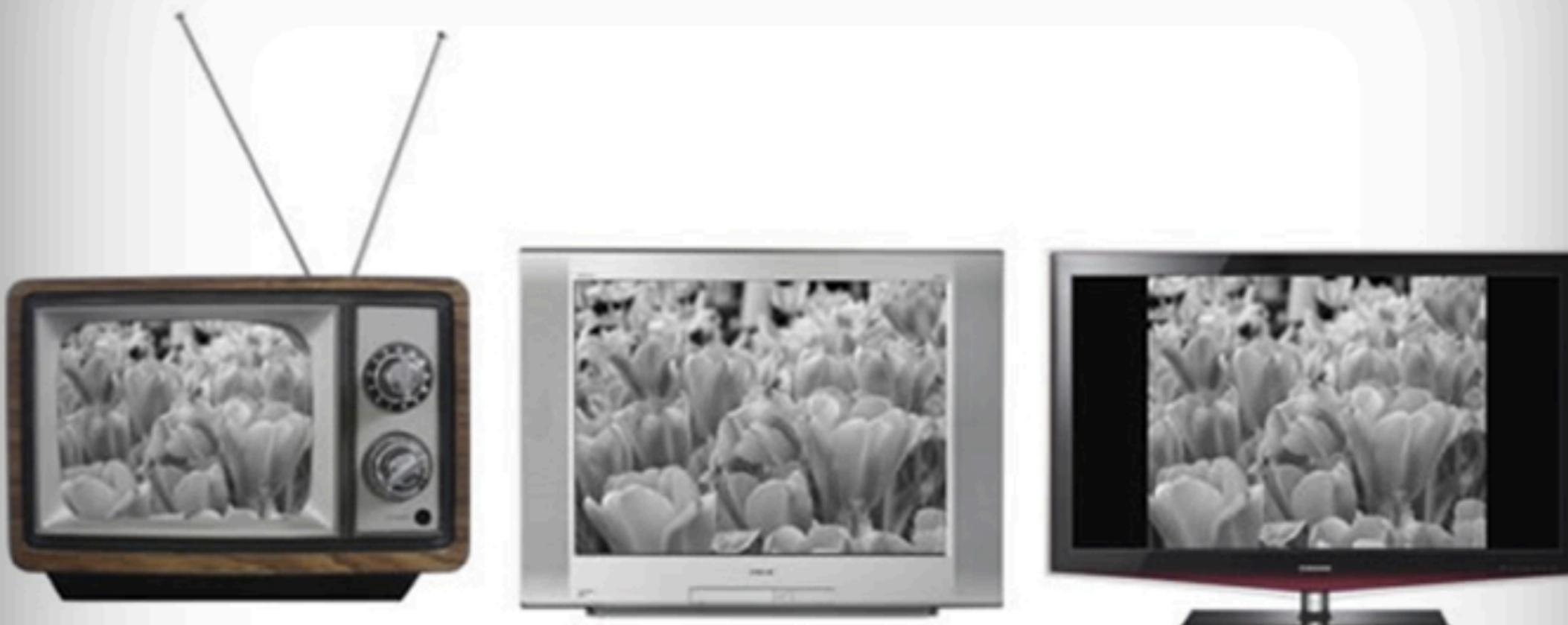


Navegadores modernos são como TVs HD



A TV já resolveu esse problema

**Então por que os desenvolvedores
continuam fazendo isso?**



**"HTML5 VAI
MATAR O FLASH"**



[Mission](#)

[Manifesto](#)

[Join the Fight!](#)



OCCUPY

FLASH

The movement to rid the world of the Flash Player plugin

occupyflash.org

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“Geeks love to fight”

— Rasmus Lerdorf

O sucesso de uma aplicação não depende da tecnologia em si...

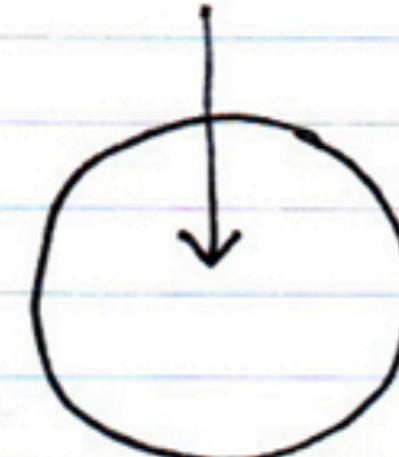


...mas de como ela é aplicada.

É CONTIGO....

Where the
magic happens

Your comfort
zone



OBRIGADO!



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