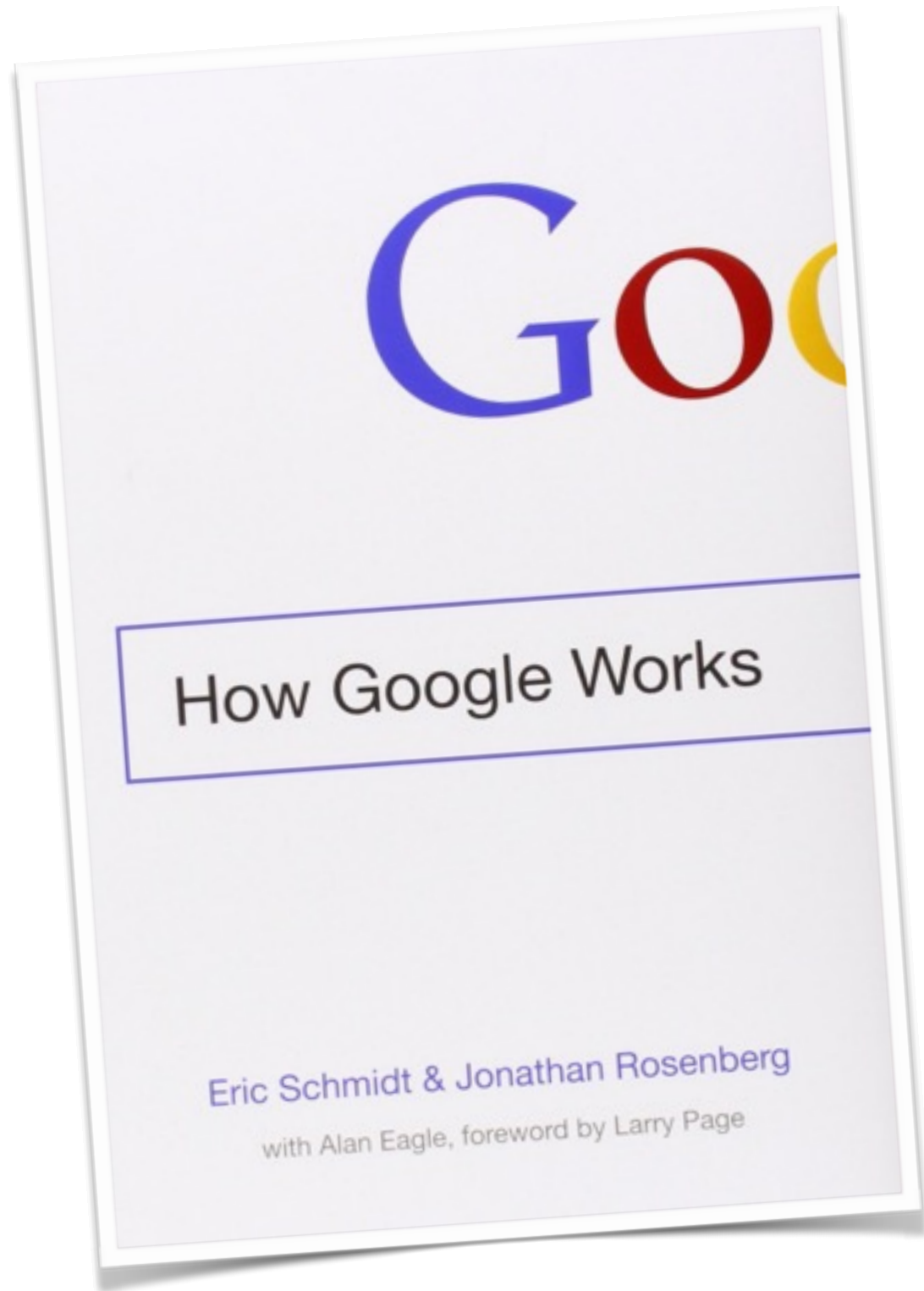
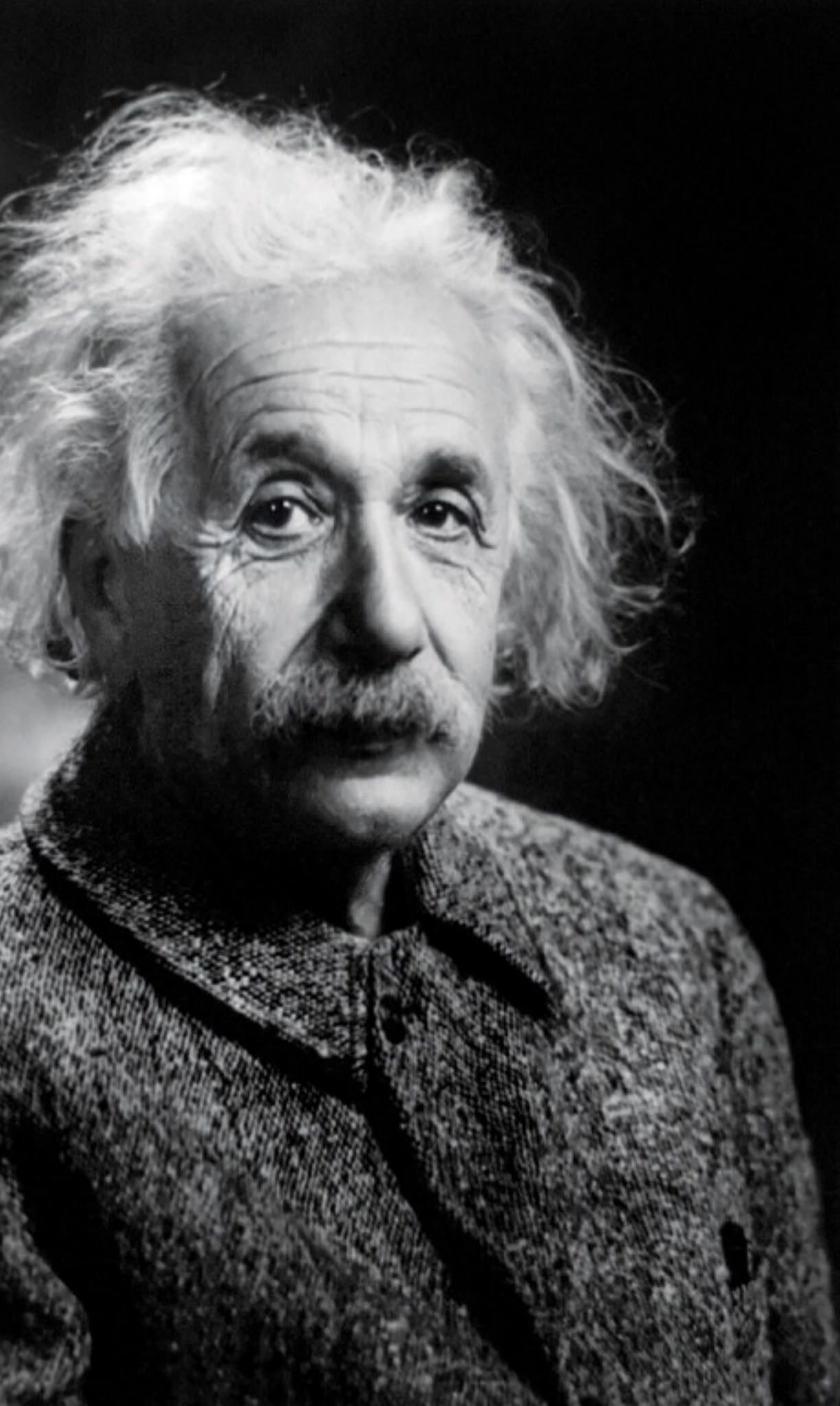


How to Take **Web Design to** the *Next Level*

@aficiomaquinas



*“Information
is cheap.”*



“[I do not] carry such information in my mind since it is readily available in books.

[...] The value of a college education is not the learning of many facts, but the training of the mind to think.”

—Albert Einstein

“In any interesting domain, the difficulties will be novel. Which means you can't simply plow through them, because you don't know initially how hard they are; you don't know whether you're about to plow through a block of foam or granite. So you have to be resourceful. You have to keep trying new things.”

Be relentlessly resourceful.

—Paul Graham
Y Combinator Co-founder



Lazy memory allocation



Relentlessly-resourcefulness

Selectively Lazy

+ *= The Hacker Way*

Resourceful

The Hacker Way

- **Selectively Lazy**

- Definir nuestros objetivos. Delimitar lo que no nos interesa lograr.
- Aprender y profundizar sólo lo necesario para ser productivos y llegar al siguiente milestone rápidamente.¹
- Es más importante la aplicación práctica que el fundamento teórico.²
- No penalizar nuestros errores, aprender de ellos.³

- **Resourceful**

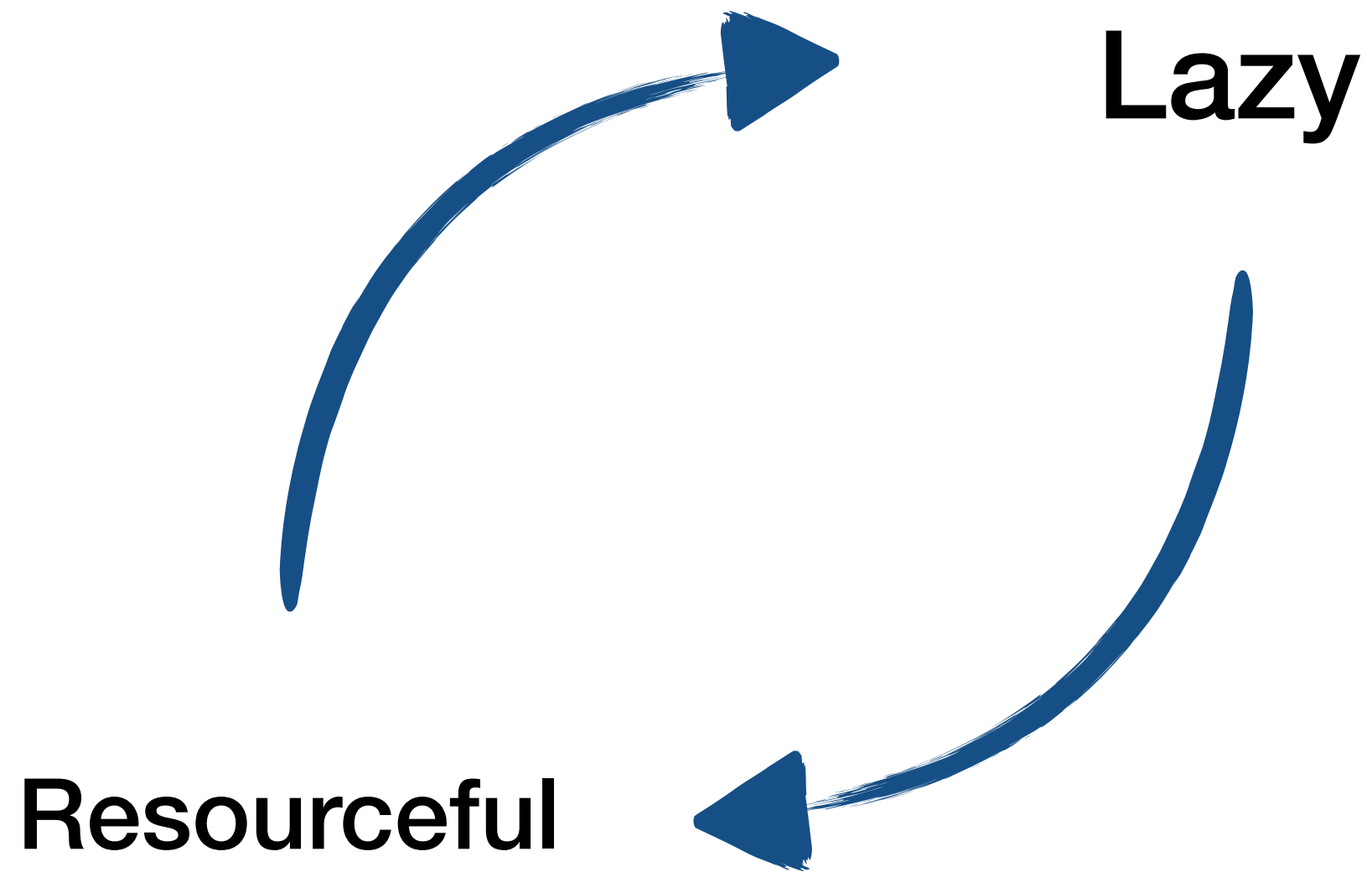
- Con base en nuestros objetivos, investigar las implicaciones y estructura del problema. Con esto podremos definir milestones y buscar en los lugares correctos.⁴
- Priorizar la búsqueda sobre la experimentación *brute-force*.
- Enfocarnos en comprender cómo y por qué funcionan las cosas, no tanto en juzgar su diseño y razón de ser.

1. Dentro de los límites del buen gusto.

2. Comprender exhaustiva y profundamente todas las herramientas tomaría mucho tiempo.

3. Inclusive, es menester re-significarlo como un proceso de mejora continua, iteración.

4. Mejora con el tiempo y la experiencia.



The Status quo

HTML5 & CSS3



Priority of Constituencies

- “In case of conflict, consider users over authors over implementors over specifiers over theoretical purity.”

1

Jeremy Keith

HTML5 FOR WEB DESIGNERS

FOREWORD BY Jeffrey Zeldman

A NOOK ADAPT
First Edition for the Nook e-reader

HTML5 FOR WEB DESIGNERS

Living standard \Rightarrow ~~HTML6~~

Living standard \Rightarrow Always changing

Web  Always changing



A close-up, high-contrast shot of Morpheus from the movie The Matrix. He is bald, has a serious expression, and is wearing dark sunglasses. The reflection in the sunglasses shows two other characters from the movie. The background is a blurred greenish-grey.

I CAN ONLY SHOW YOU THE DOOR...

YOU'RE THE ONE THAT HAS TO WALK THROUGH IT



1. The right method
2. The right tools & technologies
3. The right workflow
4. The right application of design principles

Method

- Leverage new features
- Be semantically correct
- Graceful Degradation vs Progressive Enhancement
- Think responsive
- Think about interaction with different devices (mobile first?)
- Think about performance
- Think about UX

Can I use

?  Settings

CSS

- ::first-letter CSS pseudo-element selector
- ::placeholder CSS pseudo-element
- ::selection CSS pseudo-element
- :in-range and :out-of-range CSS pseudo-classes
- :matches() CSS pseudo-class
- @font-face Web fonts
- Blending of HTML/SVG elements
- calc() as CSS unit value
- 2.1 selectors
- all property
- Animation
- Appearance
- background-attachment
- background-blend-mode
- background-position edge offsets
- box-decoration-break
- clip-path property
- Counter Styles
- Counters

HTML5

- accept attribute for file input
- Audio element
- Audio Tracks
- Autofocus attribute
- Canvas (basic support)
- Canvas blend modes
- classList (DOMTokenList)
- Color input type
- contenteditable attribute (basic support)
- Custom Elements
- Custom protocol handling
- Datalist element
- dataset & data-* attributes
- Date and time input types
- Details & Summary elements
- Dialog element
- disabled attribute of the fieldset element
- Download attribute
- Drag and Drop
- Email, telephone & URL input types

SVG

- Inline SVG in HTML5
- SVG (basic support)
- SVG effects for HTML
- SVG favicons
- SVG filters
- SVG fragment identifiers
- SVG in CSS backgrounds
- SVG in HTML img element
- SVG SMIL animation
- SVG fonts
- **All SVG features**

JS API

- Ambient Light API
- Arrow functions
- Base64 encoding and decoding
- Basic console logging functions
- Battery Status API
- Beacon API

html5doctor.com/lets-talk-about-semantics/

Apps★ BookmarksDiario de Avances To ttamayo - Google DriBreakfastsGoogle MapsTok3nBookmarkletsjQueryify!Reset AnimOther Bookmarks

About | RSS | Comments RSS | Doctor Network ▼

html5Doctor

Helping you implement HTML5 today

HomeArticle ArchiveElement IndexResources

Search

Tweet

CATEGORY

Elements

Let's Talk about Semantics

Wednesday, April 18th, 2012 by Mike Robinson.

It's time we had "the talk".

I could get you a book or recommend some sites from Dr Mike's special bookmarks folder, but the best way to make sure you get the right idea is to do it myself. I'm talking about HTML semantics. Understanding the thinking behind the naming of elements will help your markup shine.

Semantics and the Web

Semantics are the implied meaning of a subject, like a word or sentence. It aids how humans (and these days, machines) interpret subject matter. On the web, HTML serves both humans and machines, suggesting the purpose of the content enclosed within an HTML tag. Since the dawn of HTML, elements have been revised and adapted based on actual usage on the web, ideally so that authors can navigate markup with ease and create carefully structured documents, and so that machines can infer the context of the wonderful collection of data we humans can read.

ELEMENT INDEX

Element index

SPONSORS

MORE HTML5 DOCTOR

ArticlesCategoriesAuthors

The woes of date input

HTML Developers: Please Consider

On HTML belts and ARIA braces (The Default Implicit ARIA semantics they didn't want you to know about)

HTML5 – Check it Before you Wreck it

https://www.w3.org/wiki/Graceful_degradation_versus_progressive_enhancement



[Main Page](#)
[Browse categories](#)
[Recent changes](#)
[Help](#)

Tools

[What links here](#)
[Related changes](#)
[Special pages](#)
[Printable version](#)
[Permanent link](#)
[Page information](#)
[Browse properties](#)

Page

Discussion

Read

View source

View history

Search

Log in

Graceful degradation versus progressive enhancement

Contents [hide]

1 Introduction

2 "Mobilis in mobile" — moving in a constantly changing environment

3 Graceful degradation and progressive enhancement in a nutshell

4 An example of graceful degradation versus progressive enhancement

4.1 "Print this page" links

5 When to use what

6 Summary

7 Exercise Questions

<https://modernizr.com/>



DOWNLOAD

DOCUMENTATION

NEWS

RESOURCES

Respond to your user's browser features.

Modernizr tells you what HTML, CSS and JavaScript features the user's browser has to offer.

Add your detects

Development build

What is Modernizr?


It's a collection of superfast tests – or “detects” as we like to call them – which run as your web page loads, then you can use the results to tailor the experience to the user.

Getting Started

Modernizr explained

What is feature detection?

<https://www.smashingmagazine.com/2011/01/guidelines-for-responsive-web-design/>




Books eBooks Tickets Shop Jobs

Search on Smashing Magazine

e.g. JavaScript Search



CODING DESIGN MOBILE GRAPHICS UX DESIGN WORDPRESS


We use ad-blockers as well, you know. We gotta keep those servers running though. Did you know that we publish [useful books](#) and run [friendly conferences](#) — crafted for pros like yourself? E.g. upcoming [SmashingConf New York](#), dedicated to smart front-end techniques and design patterns.




Responsive Web Design: What It Is and How To Use It

By [Kayla Knight](#)

 January 12th, 2011  [CSS, Responsive Web Design](#)

 [156 Comments](#)

Almost every new client these days wants a mobile version of their website. It's practically essential after all: one design for the BlackBerry, another for the iPhone, the iPad, netbook, Kindle — and all screen resolutions must be compatible, too.




Smashing Newsletter


Subscribe to our email newsletter for useful tips and valuable resources, sent out every second Tuesday.

email address Subscribe

186,738 **Subscribers**
powered by MailChimp



It's finally here. [Smashing Book #5](#), our new book on **real-life responsive design**. With front-end techniques and patterns from actual projects, it's a playbook to master all the tricky facets and hurdles of responsive design. [Get the book.](#) **Free shipping.**



With responsive design, creating Photoshop mock-ups is just inefficient. In the new anniversary edition of



Real-Life
Responsive
Web Design

Responsive Web Design





The Mobile Book

By Smashing Magazine



Page load timeline

1. Initial request (link clicked): Brown in dashboard chart.

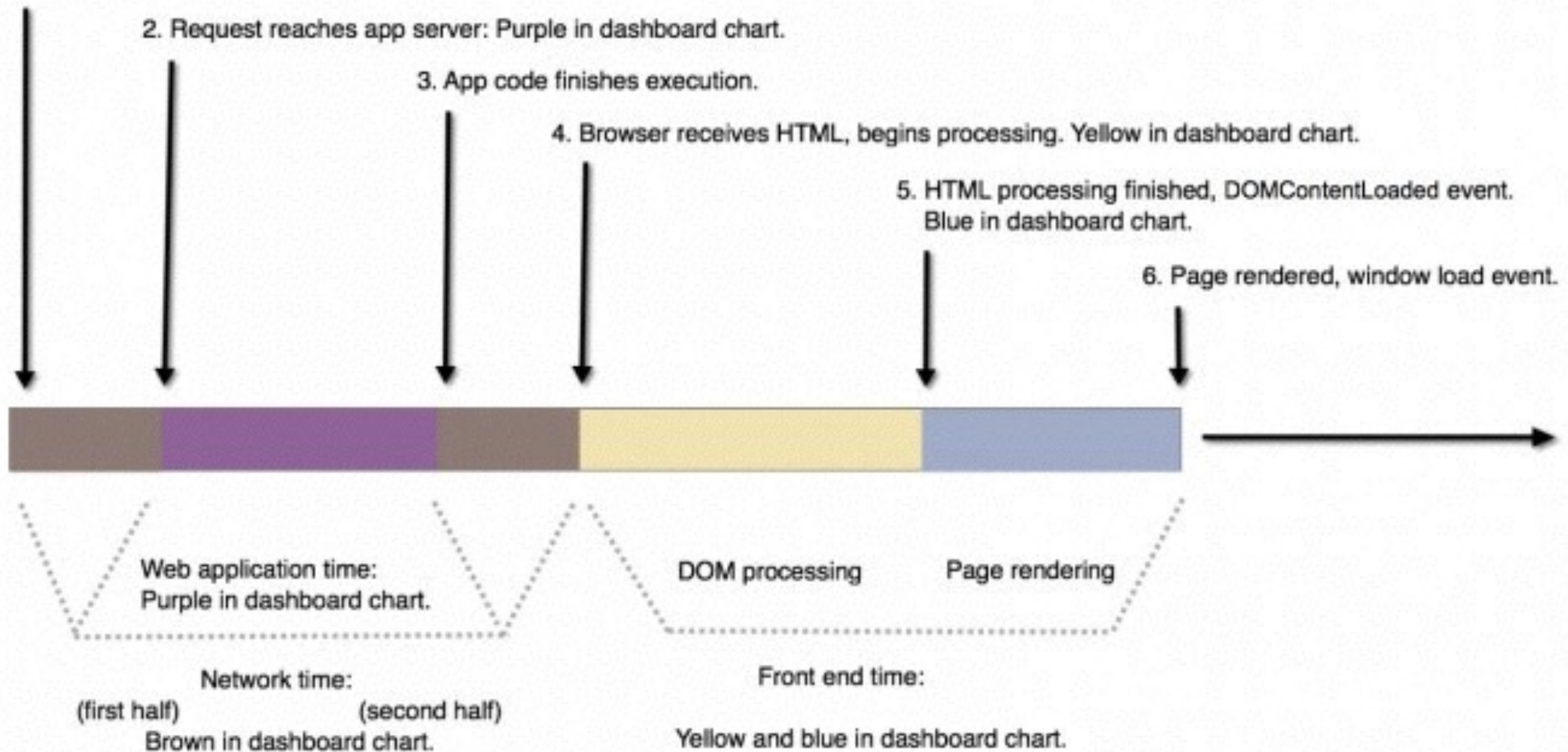
2. Request reaches app server: Purple in dashboard chart.

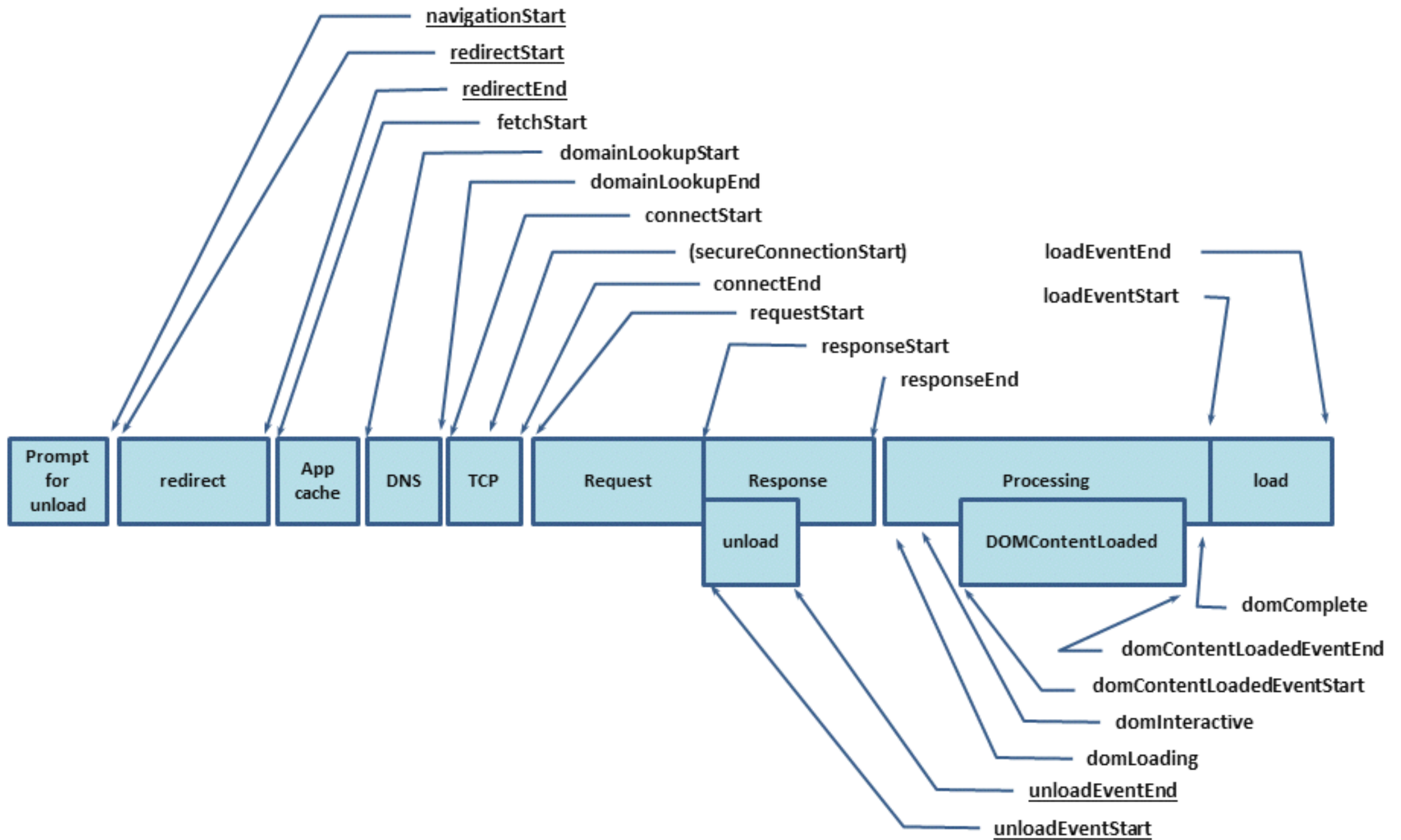
3. App code finishes execution.

4. Browser receives HTML, begins processing. Yellow in dashboard chart.

5. HTML processing finished, DOMContentLoaded event.
Blue in dashboard chart.

6. Page rendered, window load event.





Tools & technologies

- Bash & terminal
- SASS, Compass, Bourbon
- Libraries & frameworks
 - Cross-compatibility, graceful degradation
 - Charts, canvas, validation
- Fonts & typography

CLI

- Complex, precise tasks
- Interface and connect things
- Automation
- GUIs are actually programs running on a CLI

```
find . -mtime -60 -name '*.txt' -exec sed -i.bak 's/fish/carrot/g' {}  
\;
```

- Search the current directory structure
- for all files modified within the last 60 days,
- called '*.txt'
- replace the word 'fish' with 'carrot' in all of them.
- leaving a backup copy suffixed .bak.

Source: <http://unix.stackexchange.com/a/199711>

Workflow

- Versioning: git, semantic versioning
- Structure, conventions and methodology: BEM, SMACSS, OOCSS, file structure
- Package & dependencies: npm, bundler
- Licenses & legal considerations
- Advanced streamlining: Grunt.js, Gulp, Webpack
- Jedi: test-driven development

Design principles

- Apply semantics to
 - Color theory
 - Proportions
- Standards are king
 - Leverage the user's intuition
 - If you think you are innovating, you are probably doing things wrong