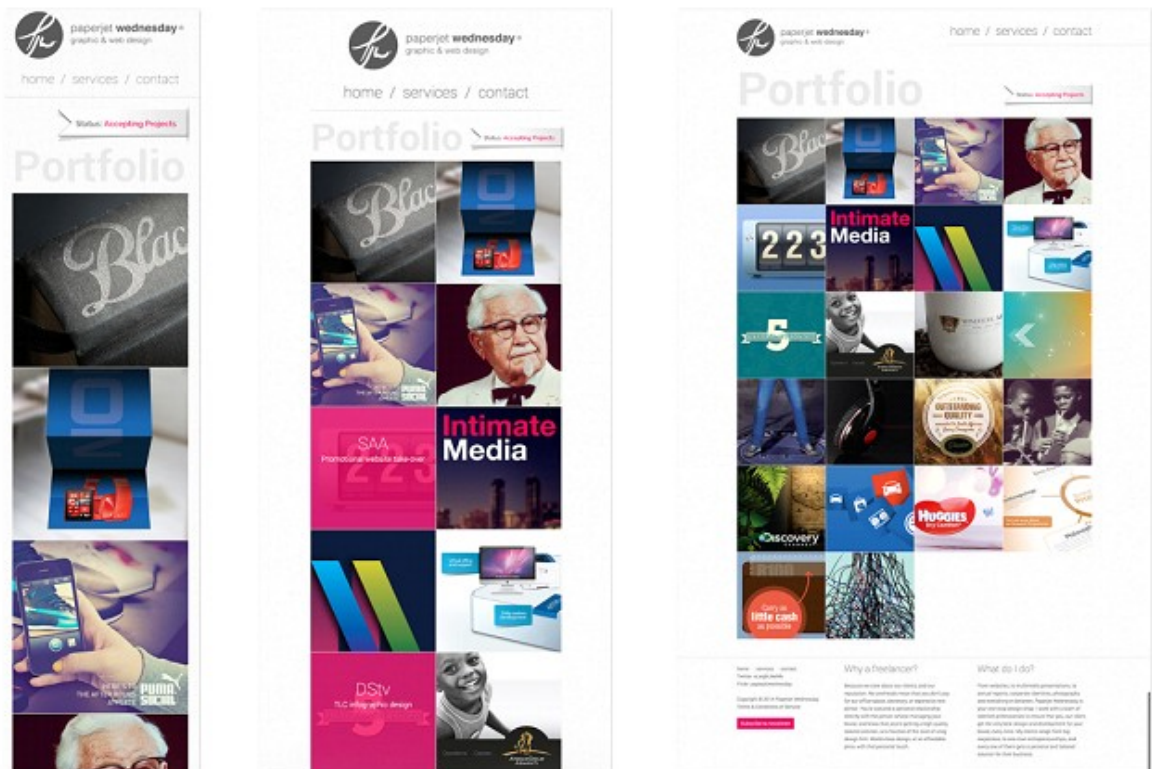


Responsive Design High Performance

Chapter 1: The Good, the Bad, and the Ugly of Responsive Web Design

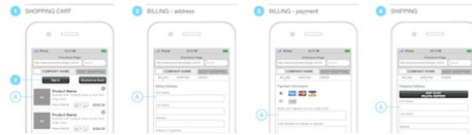


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designmodo

Product Design Process & Documentation Essentials (Part 1)

Chris Bank • Design • October 10, 2014



In this article, Chris Bank of UXPin - The UX Design App details the sketches, prototypes, and design specifications you'll create as your product starts to take form. For additional tactics to preserve UX during product design, check out our Guide to UX Design & Process Documentation. Experts and featured companies include Aarron Walter, Ian McAllister, Vurb...

[Read More](#)

Top Selling Products

[Show more](#)



WORDPRESS THEME

Startup Framework for WordPress

\$149



DESIGN FRAMEWORK

Startup Framework

\$149



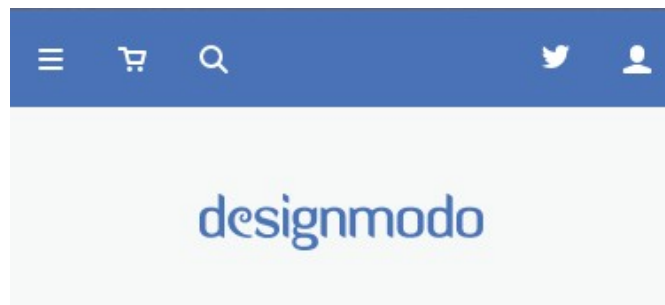
DESIGN FRAMEWORK

Flat UI Pro

\$39

Newsletter

Get our products/news earlier than others, let's get in touch.

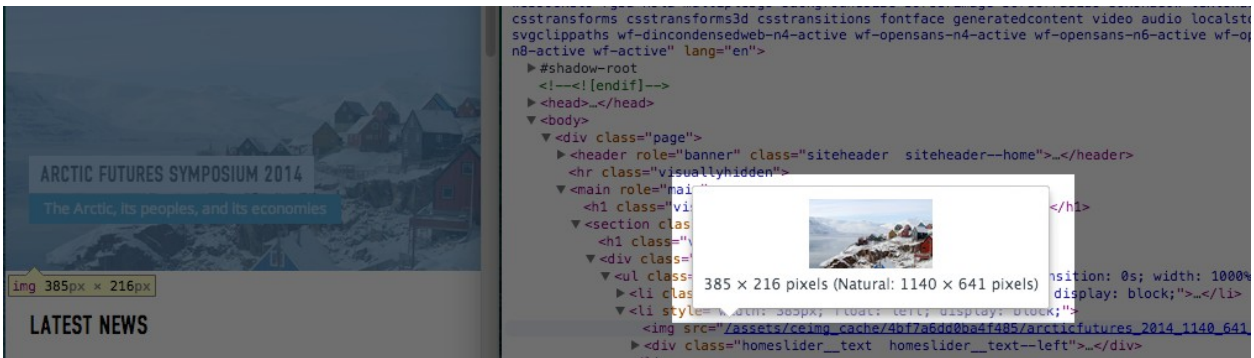
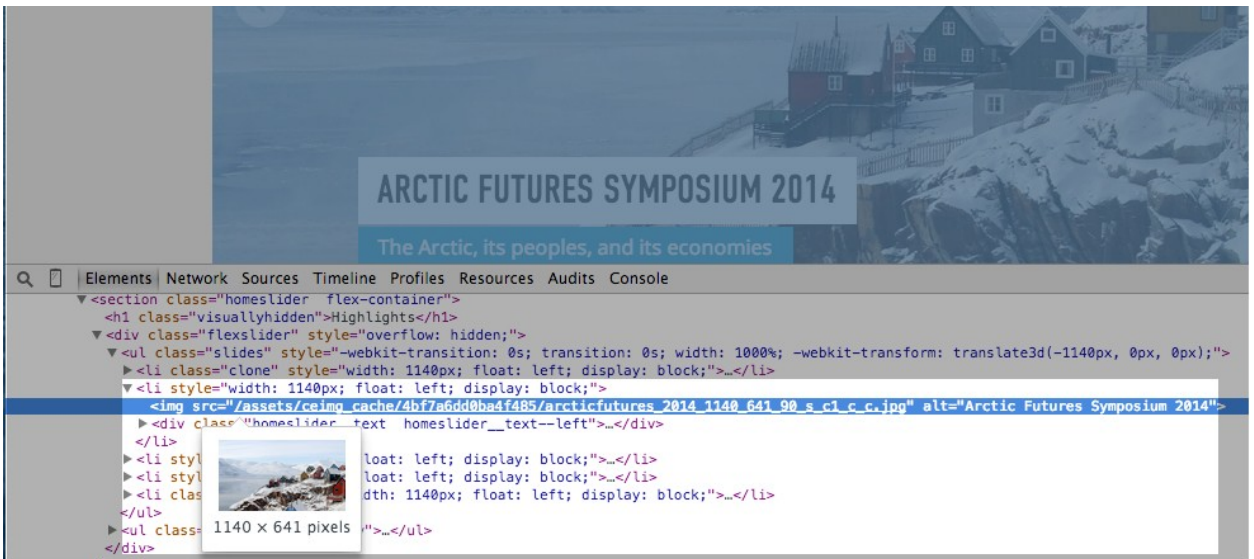




Product Design Process & Documentation Essentials (Part 1)

Chris Bank • [Design](#) • October 10, 2014



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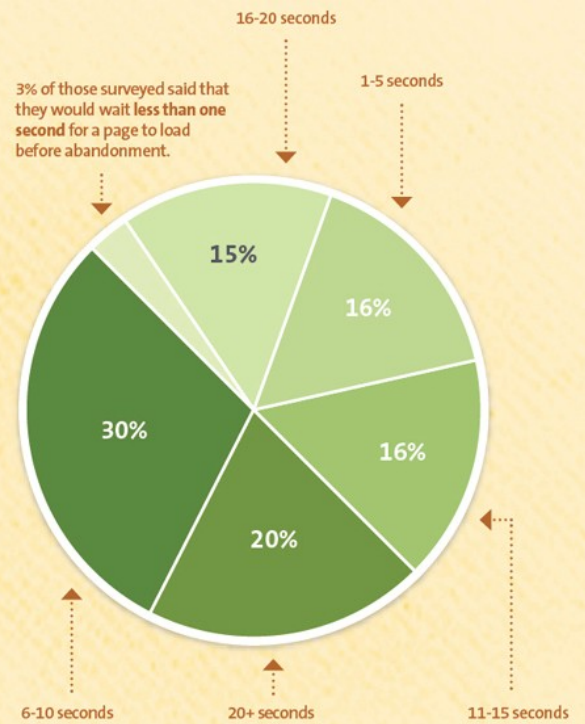
 bootstrap.css	Stylesheet	304	Yes	129.44 KB
 bootstrap.min.css	Stylesheet	304	Yes	106.95 KB



PATIENCE OF MOBILE WEB USERS

How long are users willing to wait for a site to load before they abandon the page? The following graph seeks to answer this question.

Observation: Most participants in the survey would wait 6-10 seconds before they abandon pages.





HOW WEBSITE PERFORMANCE AFFECTS SHOPPING BEHAVIOR



47% of consumers expect a web page to load in 2 seconds or less.



40% abandon a website that takes more than 3 seconds to load.



79% of shoppers who are dissatisfied with website performance are less likely to buy from the same site again.



52% of online shoppers state that quick page loading is important to their site loyalty.

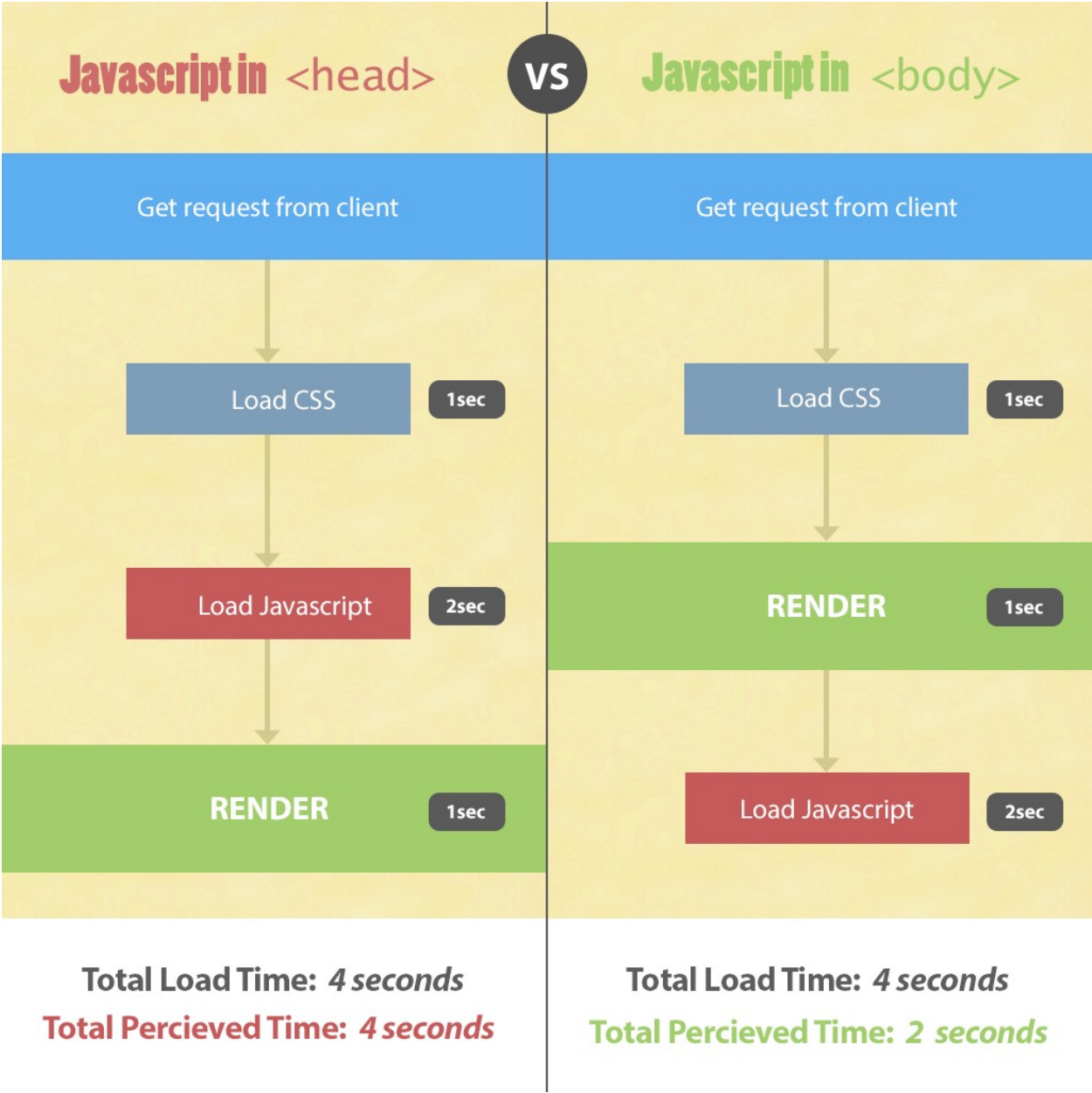


A 1 second delay (or 3 seconds of waiting) decreases customer



44% of online shoppers will tell their friends about a bad experience

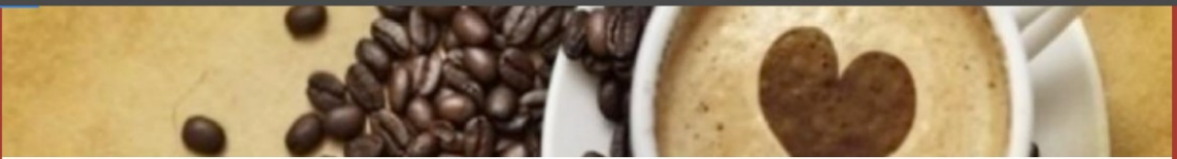
Chapter 2: Tweaking Your Website for Performance



localhost:8888/packt/chap/ x

localhost:8888/packt/chapter02/02_layout_scripts/

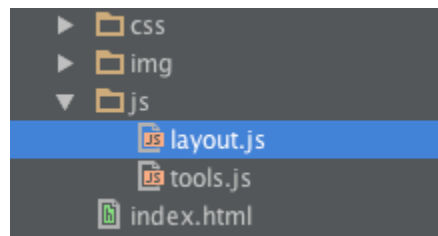
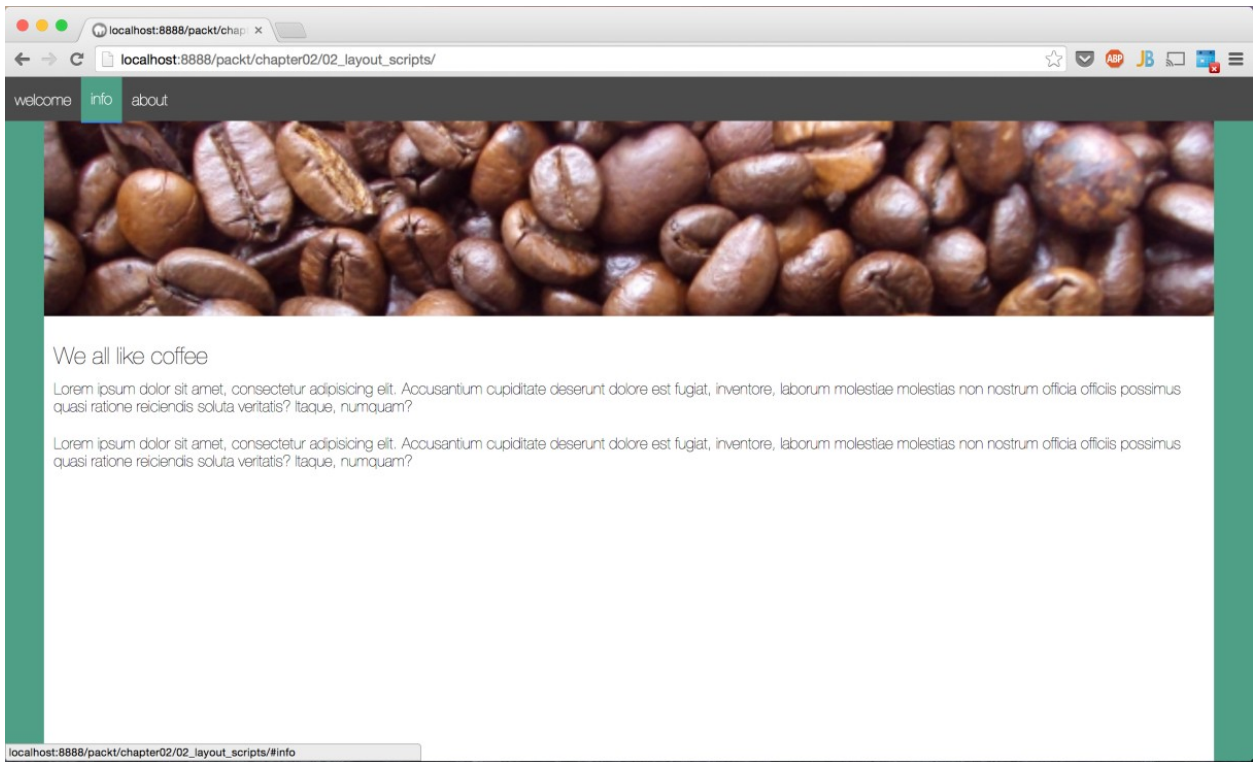
welcome info about



Welcome to The Coffee Pot

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Accusantium cupiditate deserunt dolore est fugiat, inventore, laborum molestiae molestias non nostrum officia officis possimus quasi ratione reiciendis soluta veritatis? Itaque, numquam?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Accusantium cupiditate deserunt dolore est fugiat, inventore, laborum molestiae molestias non nostrum officia officis possimus quasi ratione reiciendis soluta veritatis? Itaque, numquam?




```
1  jQuery(document).ready(function($){
2      // cache the window object
3      var win = $(window);
4      // adjust the section to fit the size of the viewport.
5  });
6
```


localhost:8888/packt/chap: x

localhost:8888/packt/chapter02/02_layout_scripts_start/

welcome info about

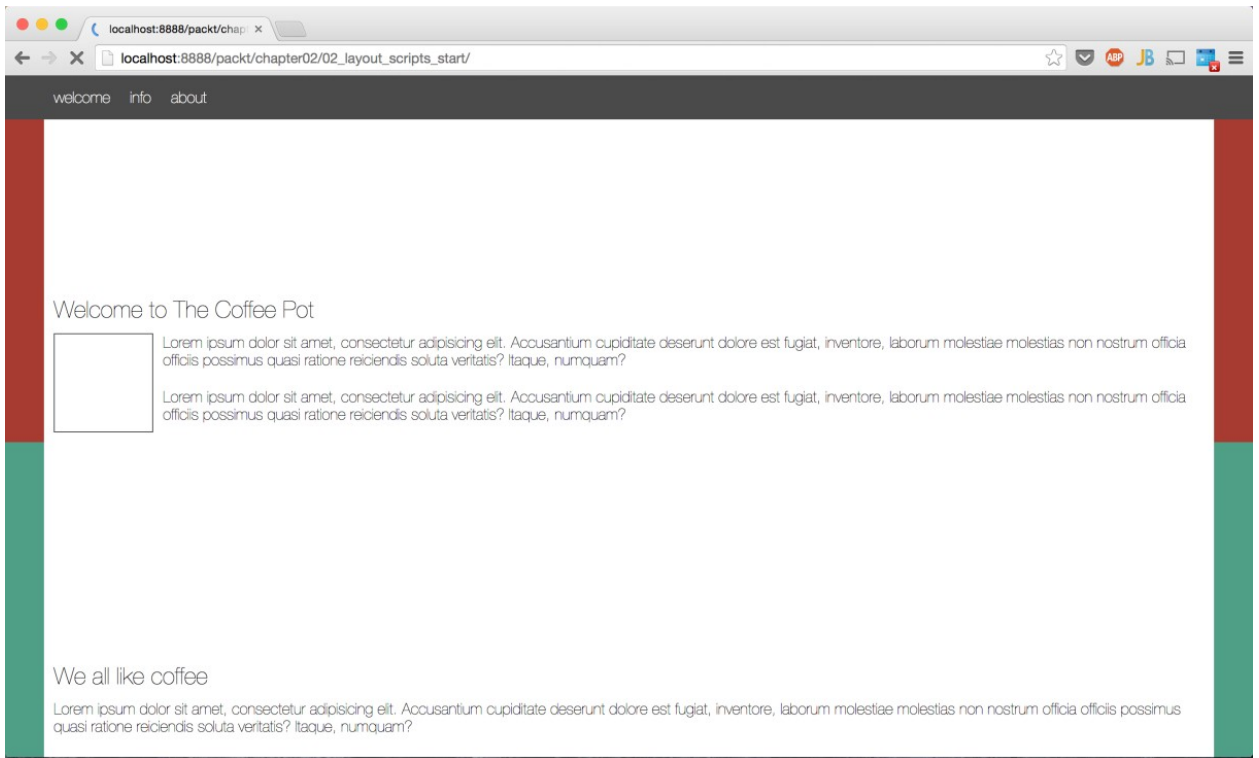


Welcome to The Coffee Pot



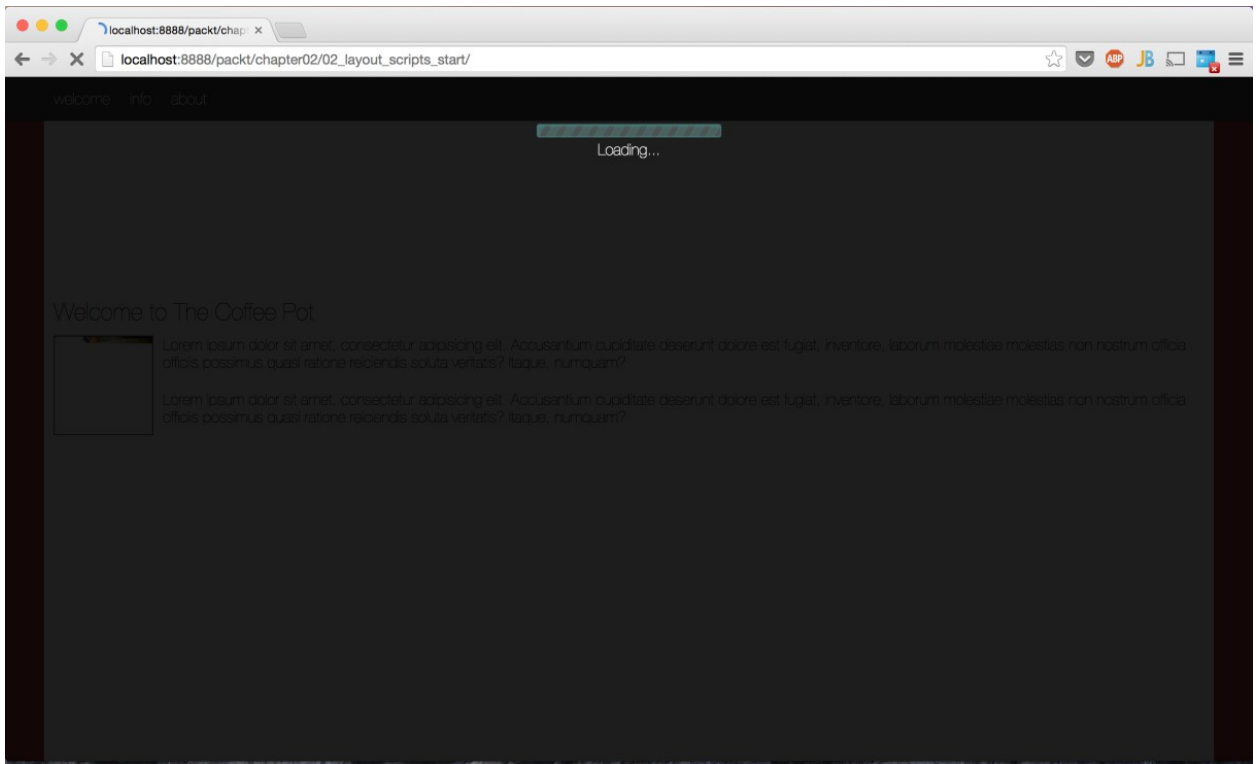
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Accusantium cupiditate deserunt dolore est fugiat, inventore, laborum molestiae molestias non nostrum officia officis possimus quasi ratione reiciendis soluta veritatis? Itaque, numquam?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Accusantium cupiditate deserunt dolore est fugiat, inventore, laborum molestiae molestias non nostrum officia officis possimus quasi ratione reiciendis soluta veritatis? Itaque, numquam?



```
80 <!-- Javascript -->
81 <script type="text/javascript" src="//code.jquery.com/jquery-1.11.1.min.js"></script>
82 <script type="text/javascript" src="js/layout.js"></script>
```

```
3 <head lang="en">
4   <meta charset="UTF-8">
5   <title></title>
6   <!-- Stylesheets -->
7   <link rel="stylesheet" type="text/css" href="css/style.css" />
8   <!-- Layout Javascript -->
9   <script type="text/javascript" src="//code.jquery.com/jquery-1.11.1.min.js"></script>
10  <script type="text/javascript" src="js/layout.js"></script>
11 </head>
```

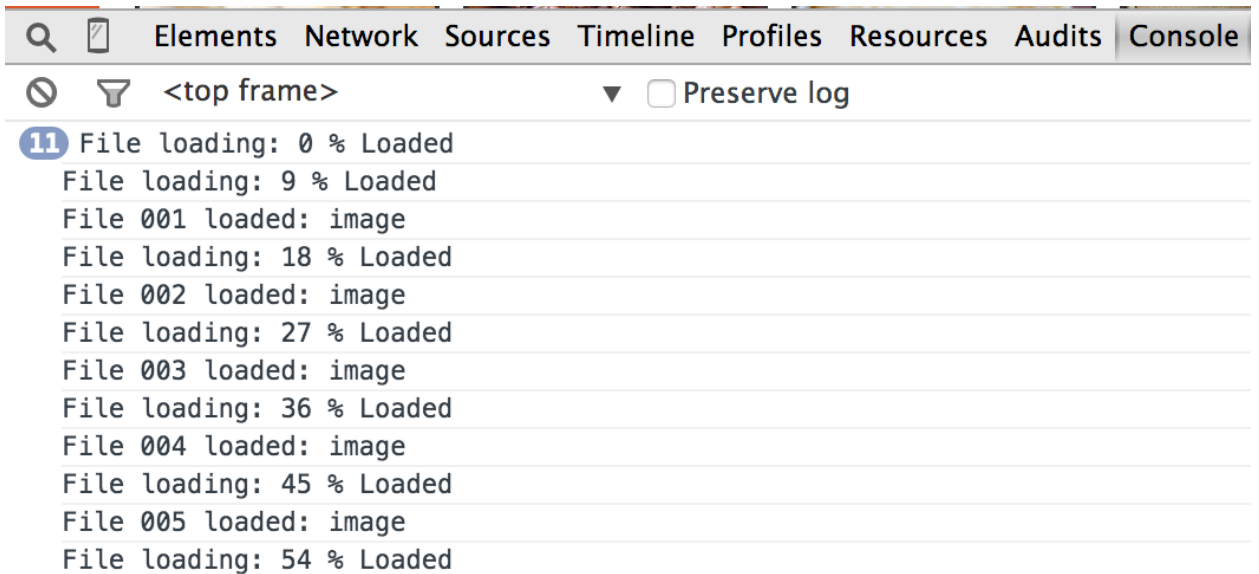
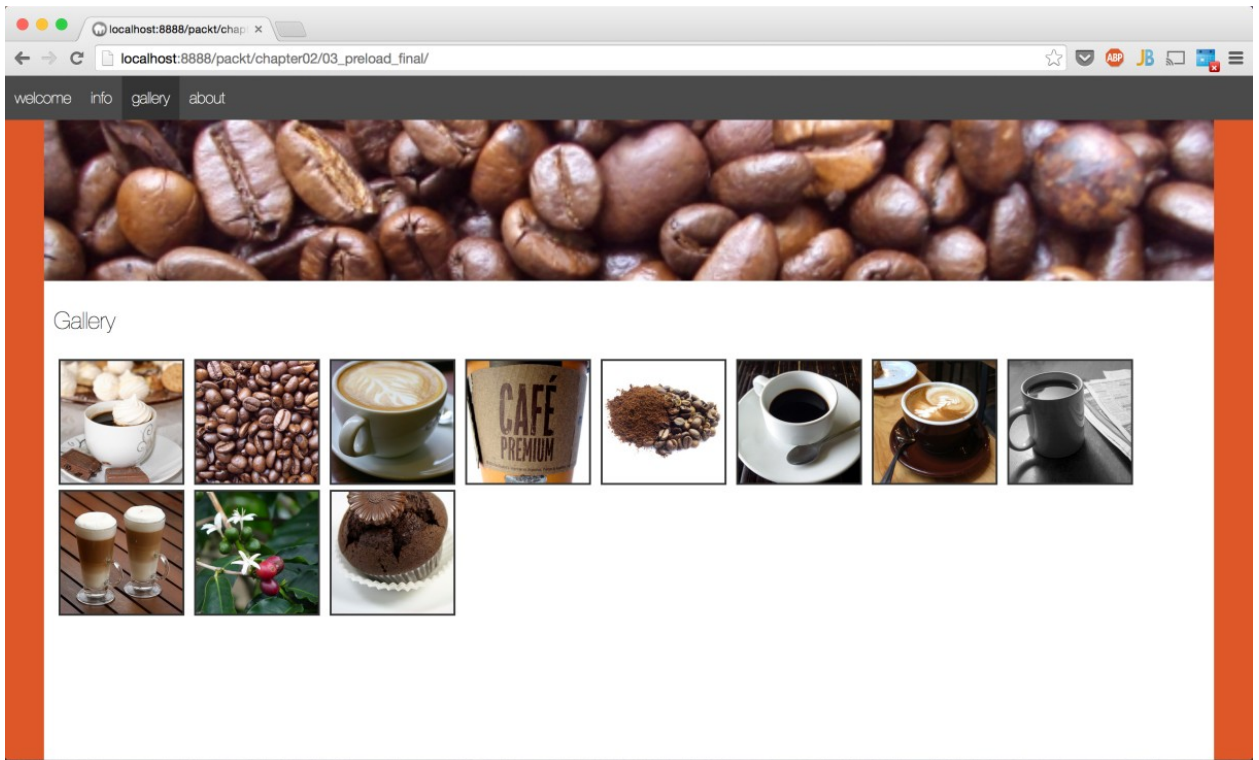


CREATEJS (ALL LIBRARIES)

2013.12.12 <http://code.createjs.com/createjs-2013.12.12.min.js>

2013/12/12

EaselJS 0.7.1, TweenJS 0.5.1, SoundJS 0.5.2, PreloadJS 0.4.1



Chapter 3: Managing Images

The image shows a settings panel for image export. It features several dropdown menus and checkboxes. The 'Preset' dropdown is set to 'JPEG Medium'. Below it, the format is set to 'JPEG' and the quality is 'Medium'. To the right, there are three numerical input fields: 'Quality' set to 30, 'Blur' set to 0, and 'Matte' which is empty. On the left side, there are three checkboxes: 'Progressive' (unchecked), 'Optimized' (checked), and 'Embed Color Profile' (unchecked). A hamburger menu icon is visible in the top right corner of the panel.

Preset: JPEG Medium

JPEG

Medium

Quality: 30

Blur: 0

Matte:

Progressive

Optimized

Embed Color Profile

Progressive



Baseline



- Edit Profile
- News Feed
- Messages 1
- Photos
- Tall As Horses
- PluginDen
- Events 2
- Suggest Edits
- Saved 2
- PAGES
- SUMO Development
- Pages Feed 20+
- Like Pages
- Create Page
- Create Ad
- FRIENDS
- Close Friends
- Family 5
- Vane Systems
- SUMO Development
- APPS
- Games 11
- Gifts
- Music

Update Status Add Photos/Video

What's on your mind?

Viewing most recent stories · Back to top stories

9GAG 12 mins ·

Lucasfilm needs to give this bird a job for the new Star Wars movie.
<http://9gag.tv/p/a9pBXn?ref=fb19>

Watch more awesome videos on your phone:
 Android ▶ <http://goo.gl/Rbi9FP...> See More



This Bird Can Mimic Laser Gun Sounds And It's Really Impressive | 9GAG.tv
 This bird must be a Star Wars fan!
 9GAG.TV

YOUR PAGES

2 event invites
 birthday is today

RECOMMENDED PAGES See All

Afghanistan Combat Footage - Funker530
 785,928 people like him.
 Like

Koop en Verkoop
 like this.
 Like

Oh My God Facts!
 like this.
 Like

The Boardtalk
 friends like this.
 Like

Network Platforms
 1,724 people like this.
 Like


Think Progress
 likes this.
 Like

localhost:8888/packt/chap: x

localhost:8888/packt/chapter03/con... ☆ JB

A word of coffee

Hello Coffee World!



I quite like my coffee any time of the day.

Coffee Feed

Why we love coffee

We love coffee because its awesome

Does coffee make you smarter?

Recent studies have show that anything is possible

Pre-ground or Beans


To buy ground or to grind!

localhost:8888/packt/chap: x

localhost:8888/packt/chapter03/conditional/ ☆ JB

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Plunge it!

What makes a plunged coffee delicious?

How to skim your plunger


Skimming might prevent excess coffee

Baristas!

localhost:8888/pack1/chapter03/conditional/

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What makes a plunged coffee delicious?
- How to skim your plunger
Skimming might prevent excess coffee
- Baristas!
Fancy yourself a barista?
- Flavours
Fish cream and all sorts of nuts

localhost:8888/pack1/chapter03/conditional/

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localhost:8888/packt/cha... x

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- Flavours
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localhost:8888/packt/cha... x

localhost:8888/packt/chapter03/conditional/

A word of coffee

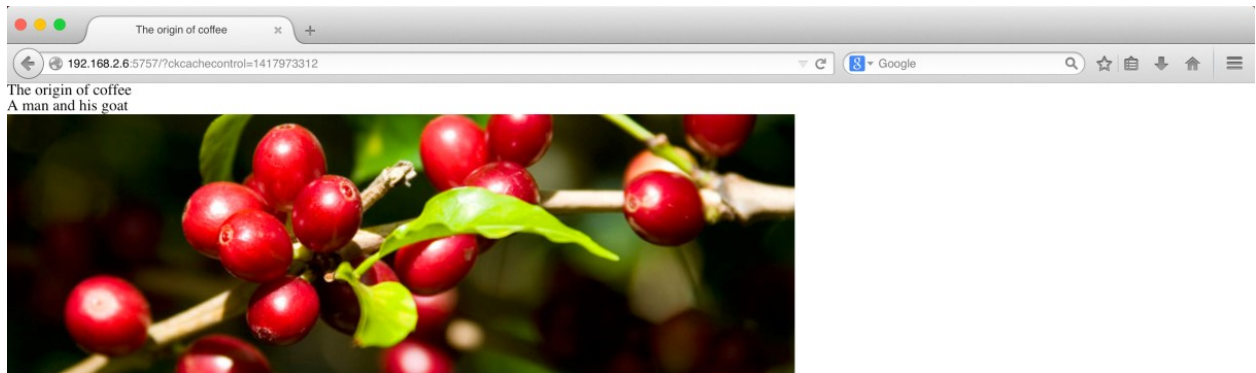
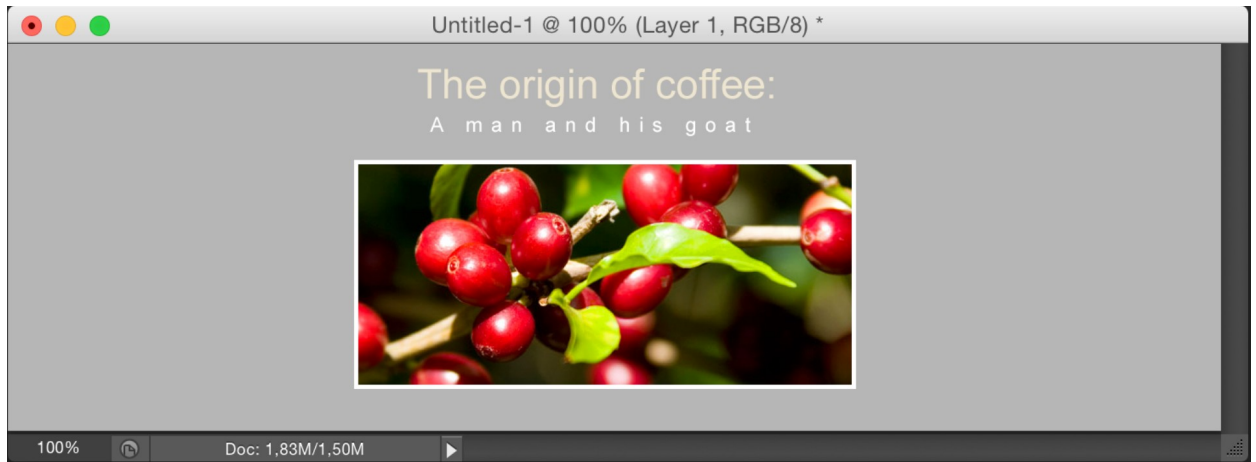
Hello Coffee World!

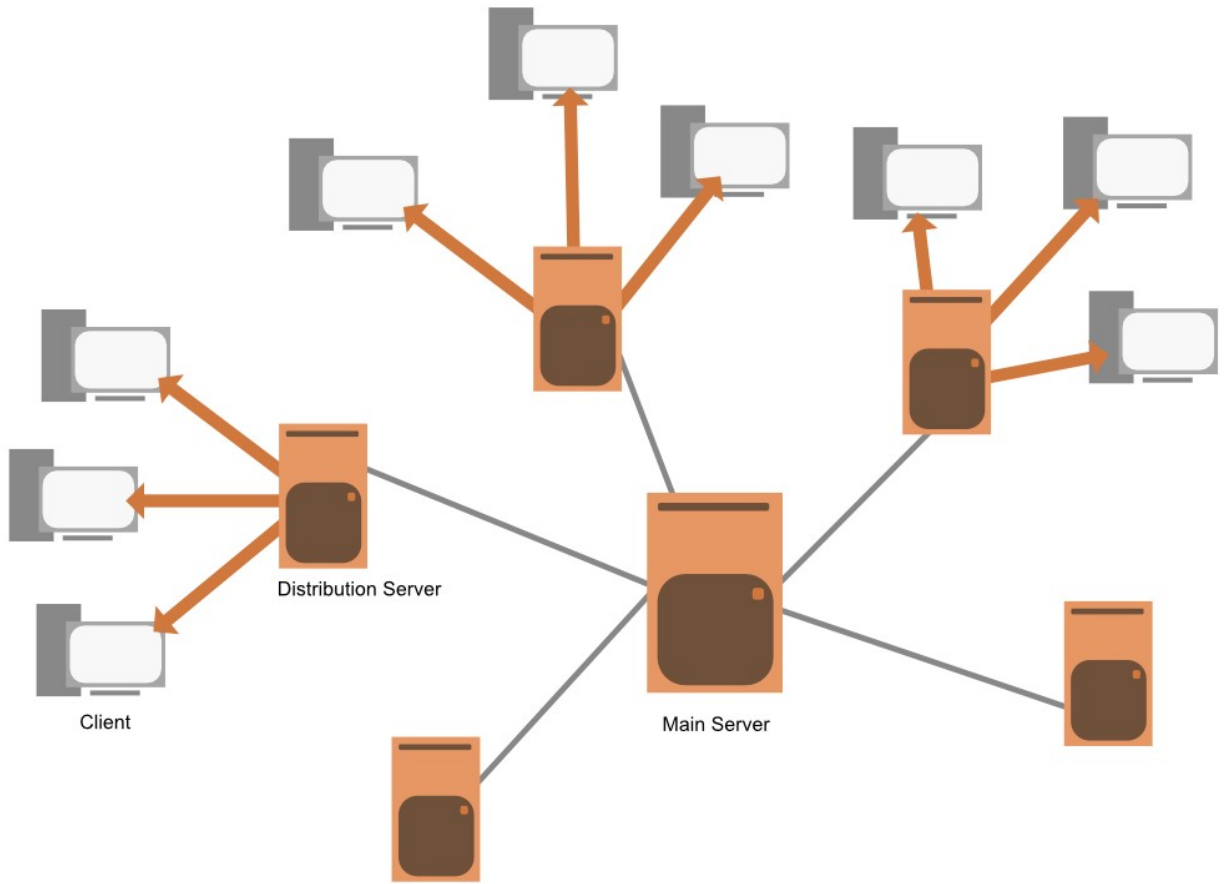
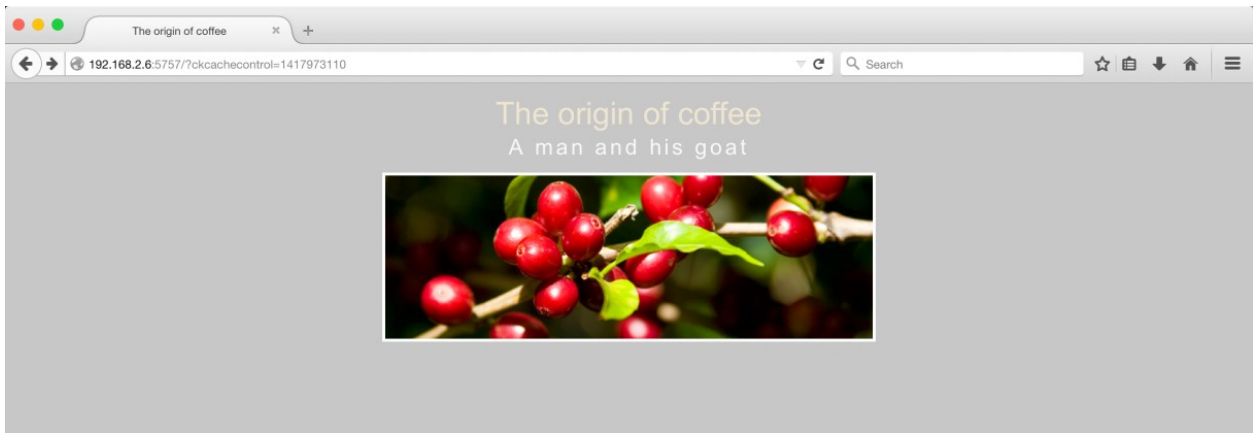


Coffee Feed

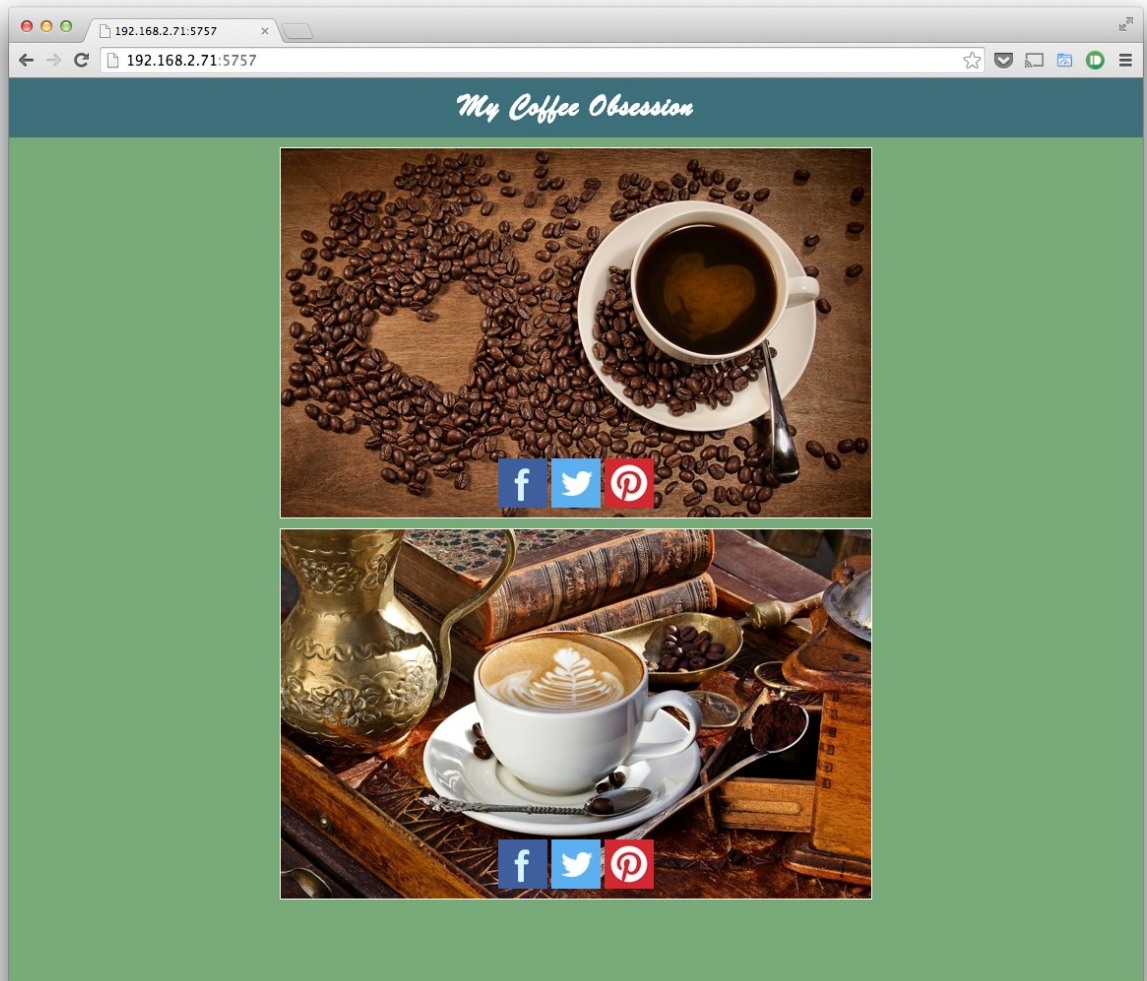
- Why we love coffee
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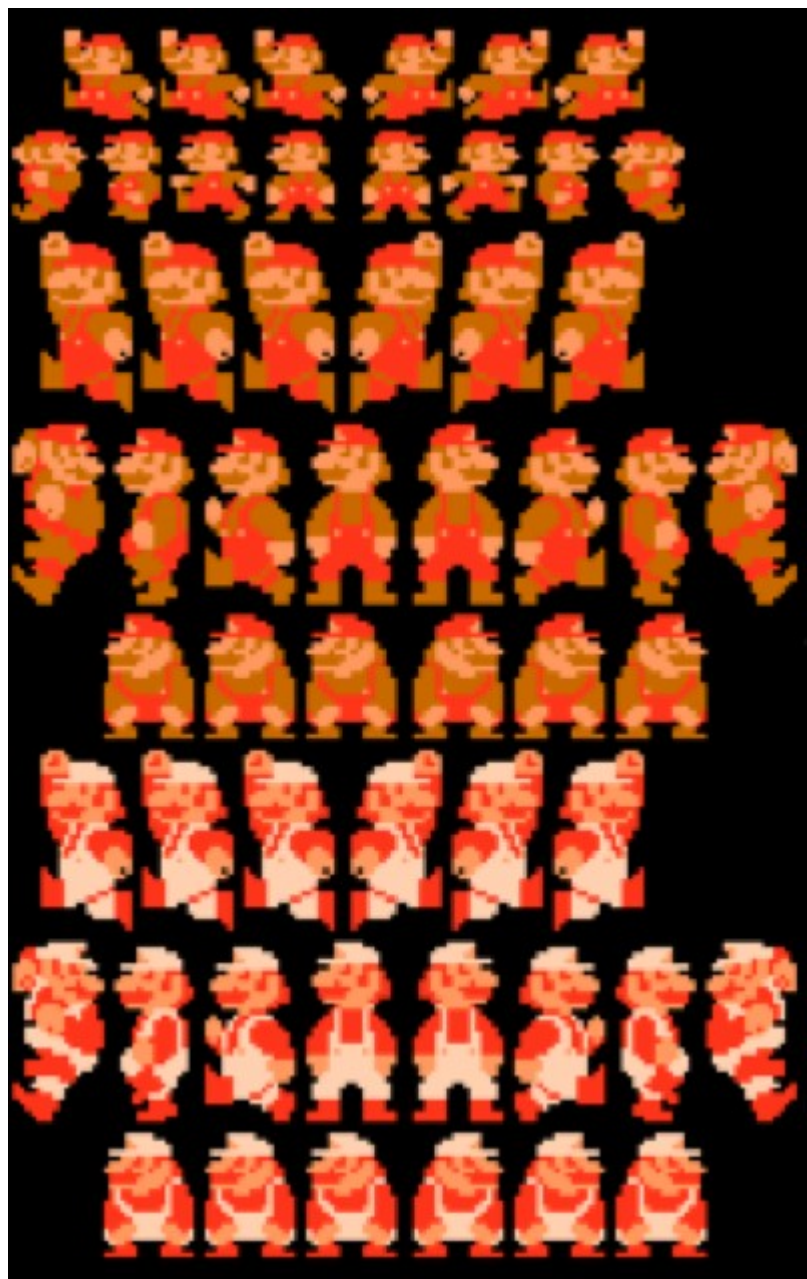
Chapter 4: Learning Content Management

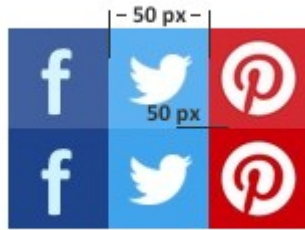
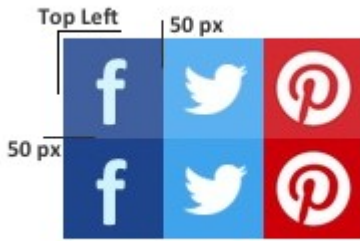




Chapter 5: The Fastest HTTP Request is No HTTP Request











192.168.2.71:5757

RESPONSIVE BOOK ▾ Debug ▾ Dev ▾ Social ▾ Shopping ▾ News & Reading ▾ Finance ▾ Bridge ▾ Netflix ▾ How To Ma...L Database 100 Greates...olling Stone >>

My Coffee Obsession









192.168.2.71:5757

RESPONSIVE BOOK ▾ Debug ▾ Dev ▾ Social ▾ Shopping ▾ News & Reading ▾ Finance ▾ Bridge ▾ Netflix ▾ How To Ma...L Database 100 Greates...olling Stone >> +

My Coffee Obsession



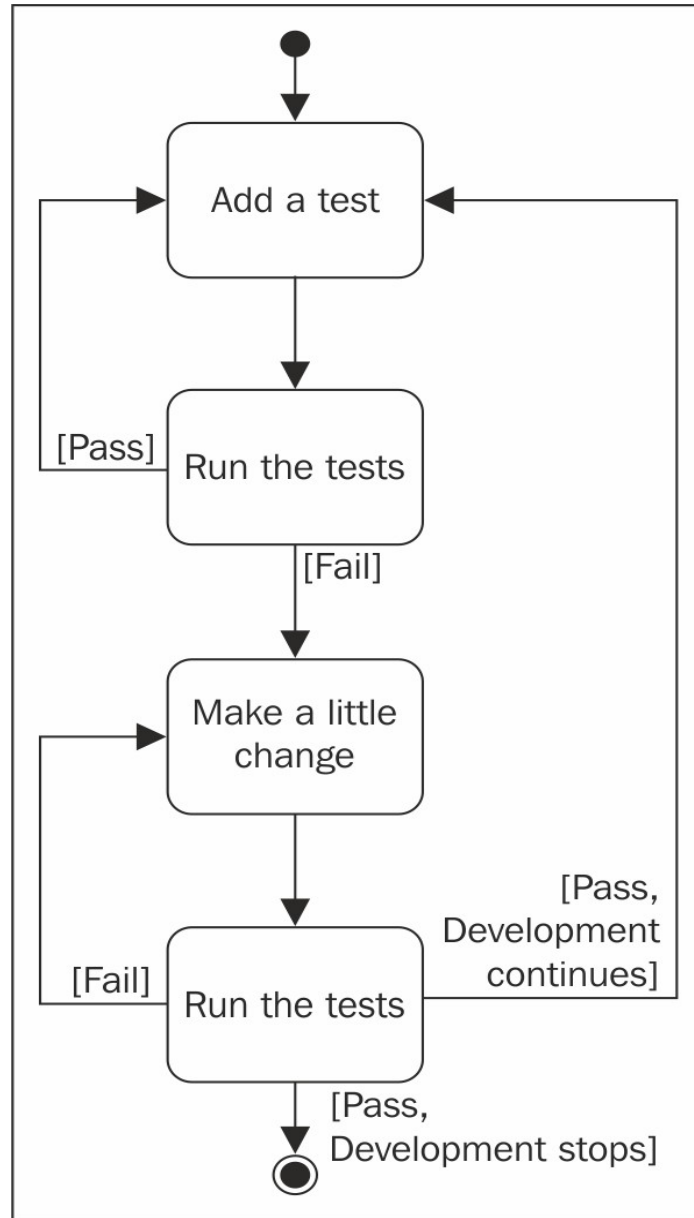
[Tools](#) ► gzip compression test

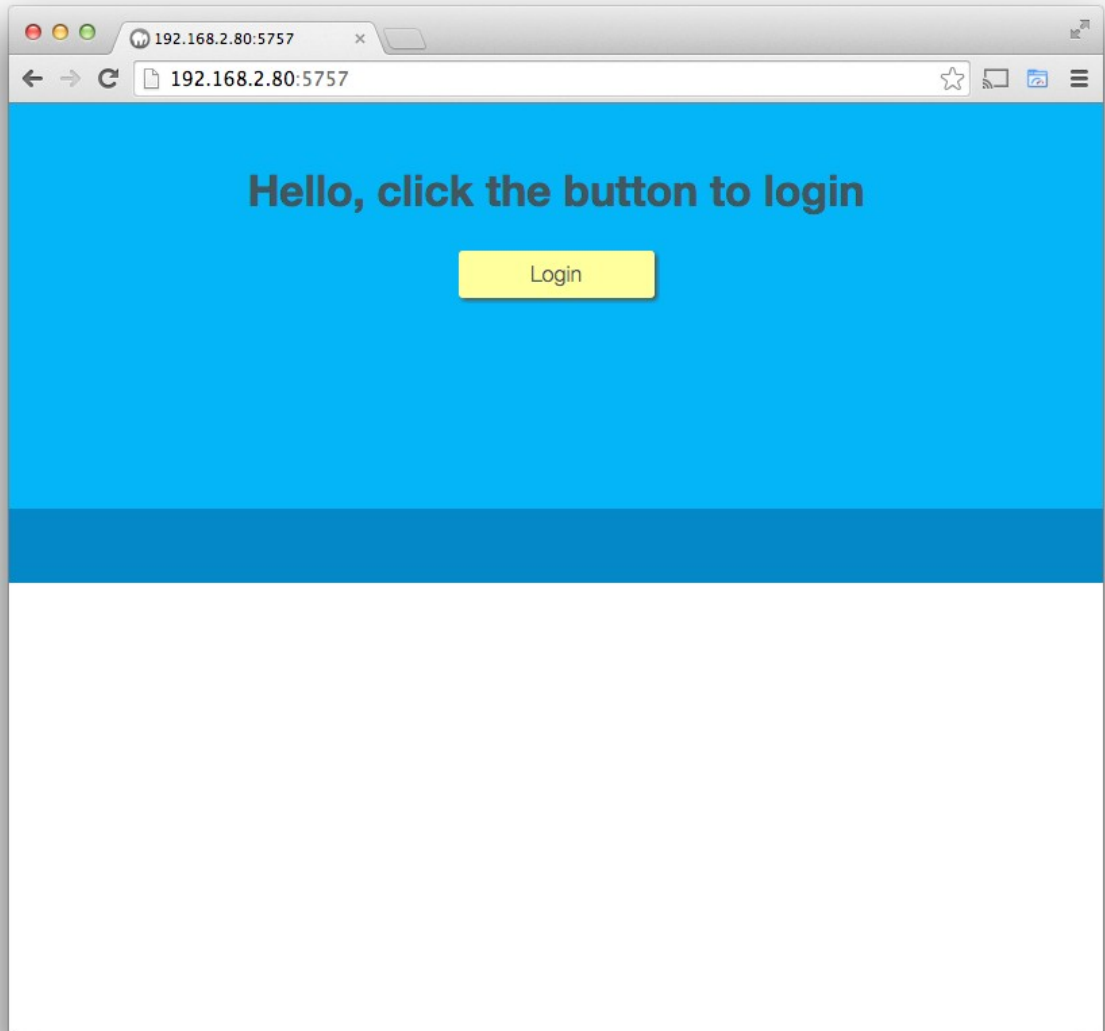
Go

Gzip working? **Yes** reducing file size by **76.6%**

Page size: 17,702 - Compressed size: 4,151 - Saving: 13,551 bytes

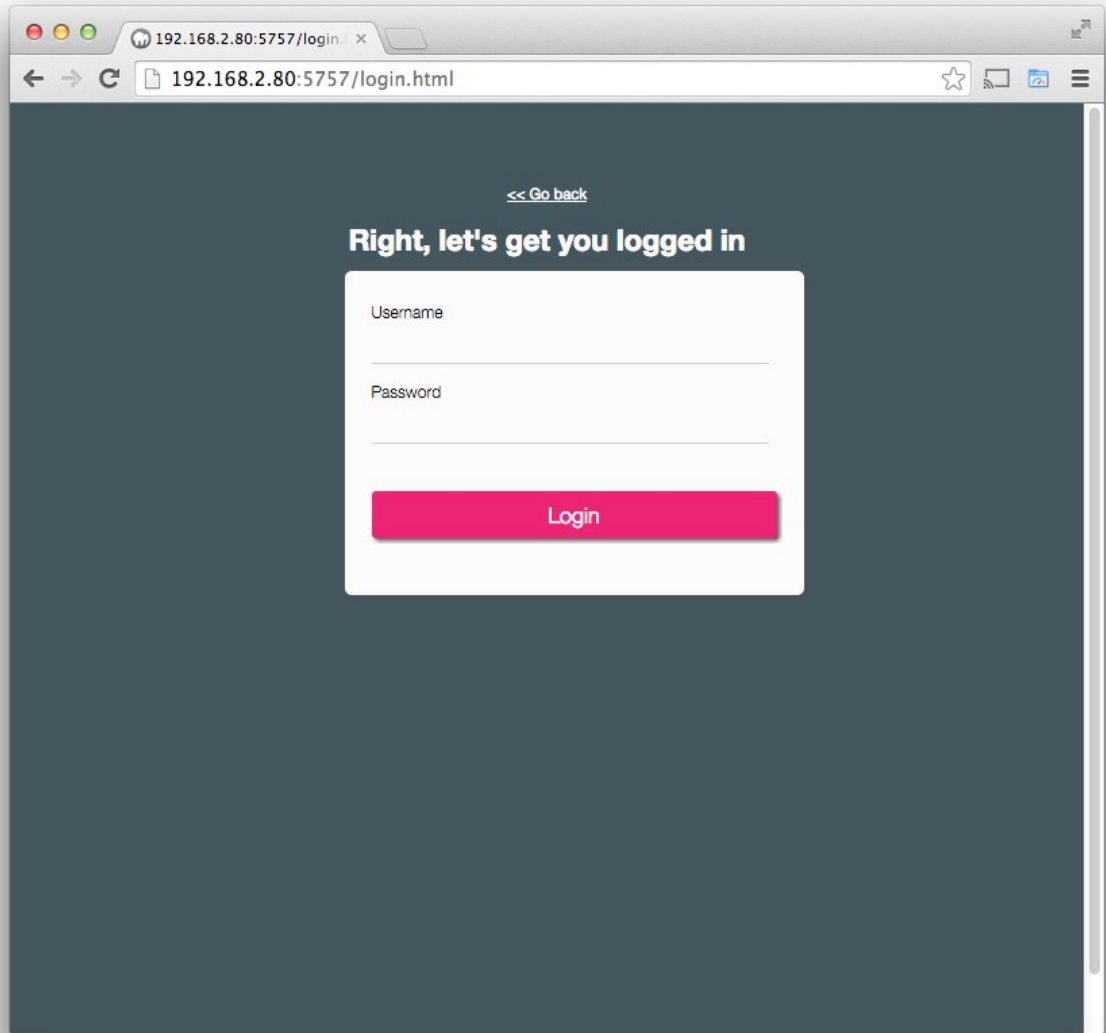
Chapter 6: Testing, Testing, and Testing!





Hello, click the button to login

Login



[ANALYZE](#)

 Mobile

 Desktop

87 / 100 Suggestions Summary

! Consider Fixing:

Eliminate render-blocking JavaScript and CSS in above-the-fold content

[Show how to fix](#)

Reduce server response time

[Show how to fix](#)

Optimize images

[Show how to fix](#)

Minify HTML

[Show how to fix](#)

✓ 6 Passed Rules

[Show details](#)



**The results are cached for 30s. If you have made changes to your page, please wait for 30s before re-running the test.*

Web Page Performance Test for

www.rain-ca.co.za

From: Brazil - EC2 - Chrome - Cable
04 January 2015 at 6:44:03 PM SAST

Need help improving?

F **A** **A** **A** **C** **X**

First Byte Time Keep-alive Enabled Compress Transfer Compress Images Cache static content Effective use of CDN

Tester: i-098af41c

[Re-run the test](#)

[Raw page data](#) - [Raw object data](#)

[Export HTTP Archive \(.har\)](#)

[See in ShowSlow](#)

[View Test Log](#)

	Load Time	First Byte	Start Render	DOM Elements	Document Complete			Fully Loaded		
					Time	Requests	Bytes In	Time	Requests	Bytes In
First View	22.643s	1.697s	2.790s	120	22.643s	18	343 KB	23.516s	19	344 KB
Repeat View	1.883s	0.844s	1.883s	120	1.883s	3	5 KB	1.883s	3	5 KB

	Waterfall	Screen Shot
First View (22.643s)		
Repeat View (1.883s)		

Q [] Elements Network Sources Timeline Profiles Resources Audits Console PageSpeed AngularJS

```
<!DOCTYPE html>
<html>
  #shadow-root
  <head lang="en">...</head>
  <body>
```

Preserve log Disable cache

All Documents Stylesheets Images Media Scripts XHR Fonts TextTracks WebSockets Other Hide data URLs

	Method	Status	Type	Initiator	Size	Time	Timeline
-lib.min.js.map	GET	200	application/octet...	edition.cnn.com/:1	153 KB	5.01 s	
	GET	200	application/octet...	edition.cnn.com/:1	127 KB	4.59 s	
.js.map	GET	200	application/octet...	edition.cnn.com/:1	135 KB	4.53 s	
port?reports=...	GET	200	text/javascript	qiya.js?apiKey=3_qtUbleNtrRl...	460 B	3.89 s	
	GET	200	application/x-jav...	jquery.min.js:4	73.8 KB	3.44 s	
1.com&p=%2F...	GET	200	image/gif	Other	213 B	2.94 s	
n.js.map	GET	200	application/json	edition.cnn.com/:1	118 KB	2.85 s	
i-liu-funeral-e...	GET	200	image/jpeg	edition.cnn.com/:1	107 KB	2.78 s	
s-masked-mil...	GET	200	image/jpeg	edition.cnn.com/:1	70.6 KB	2.77 s	
ogle-eye-hori...	GET	200	image/jpeg	edition.cnn.com/:1	132 KB	2.73 s	
62082&sa=1...	GET	200	image/gif	Other	63 B	2.71 s	
	GET	200	application/x-jav...	facebook.js:15	51.4 KB	2.49 s	
ig-deserted-l...	GET	200	image/jpeg	edition.cnn.com/:13	49.2 KB	2.36 s	
)	GET	200	application/octet...	edition.cnn.com/:1	3.1 KB	2.32 s	Stalled 5.759 ms
	GET	200	application/javas...	bootstrapper.js:67	6.8 KB	2.31 s	DNS Lookup 427.398 ms
azil-attack-xr...	GET	200	image/jpeg	edition.cnn.com/:13	23.2 KB	2.24 s	Initial connection 438.551 ms
min.js.map	GET	200	application/octet...	edition.cnn.com/:1	35.2 KB	2.08 s	Request sent 0.045 ms
port?reports=...	GET	200	text/javascript	qiya.js?apiKey=3_qtUbleNtrRl...	461 B	2.04 s	Waiting (TTFB) 576.480 ms
port?reports=...	GET	200	text/javascript	qiya.js?apiKey=3_qtUbleNtrRl...	460 B	2.04 s	Content Download 1.04 s
...-41	GET	200	text/html	all.js:4	0.0 KB	2.00 s	

Chapter 8: Using Tools for Performance

