

GIT&GITHUB&SECRETS

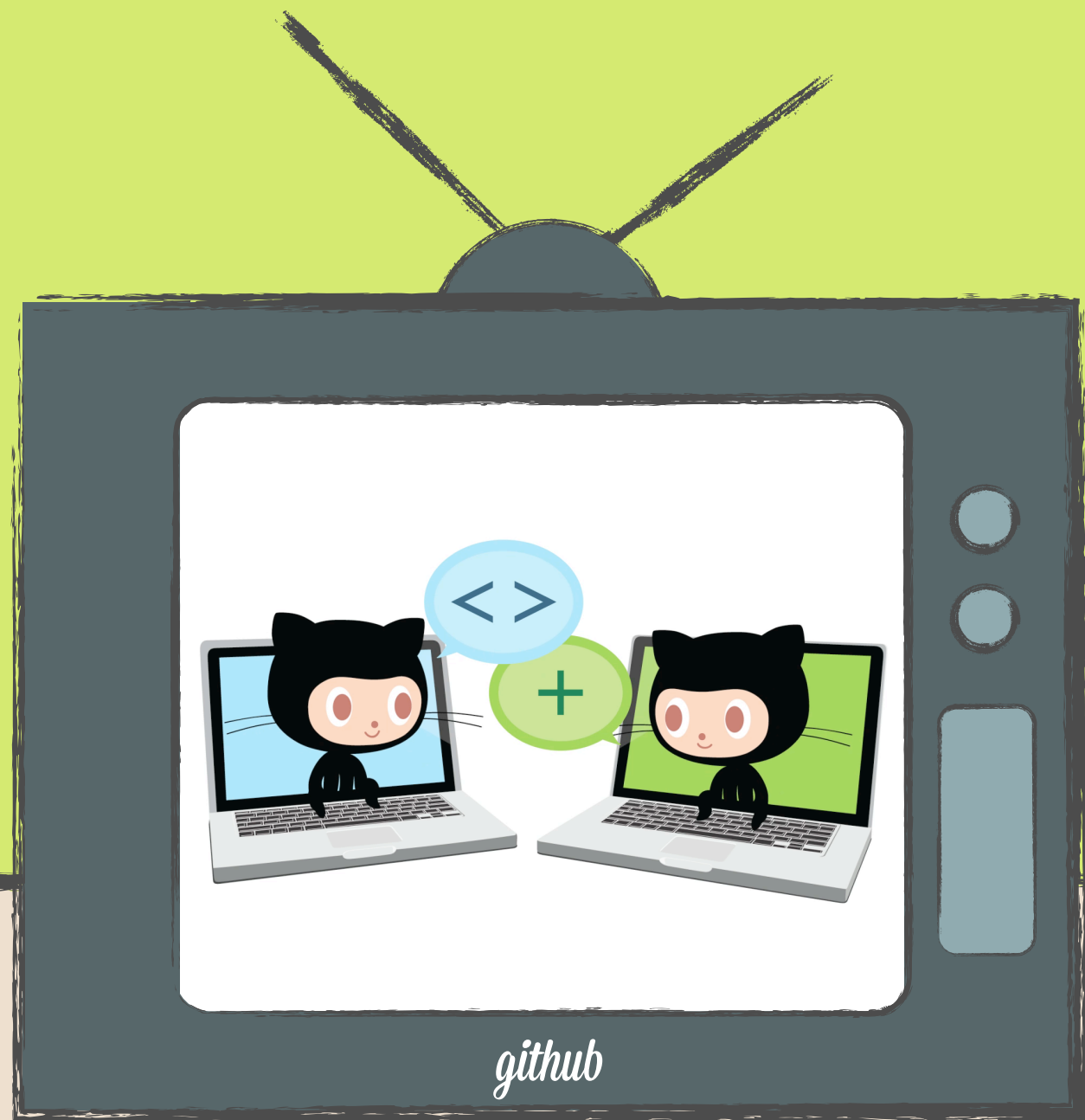
LOST



@ HOLMAN

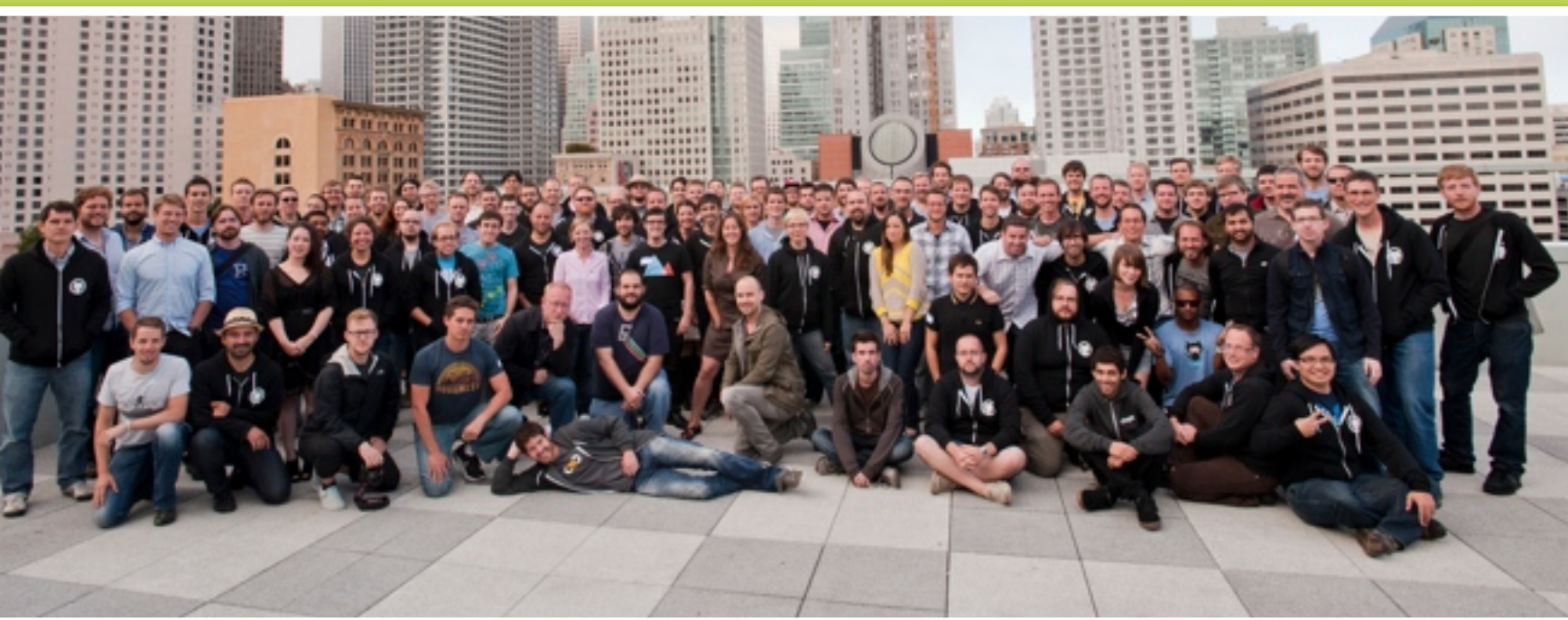
YO QUIT READING THIS SHIT

NO
FORKING

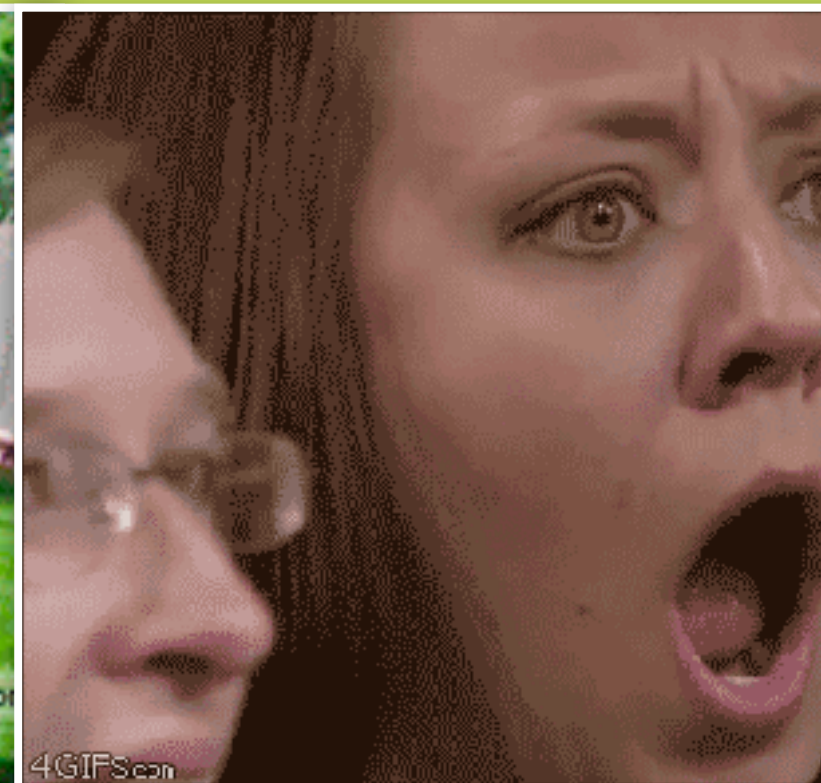




***I AM DEFINITELY
NOT A SMART GUY***



***LUCKILY I HANG
AROUND THIS CREW A LOT***



***THIS IS MOSTLY
WHAT GETS DISCUSSED***



git

BUT SOMETIMES ALSO GIT THINGS

***LEMME THROW A BUNCH
AT YOU ALL AT ONCE***

SECRETS

SOMETIMES

**FEATURES
DON'T MAKE
IT INTO THE UI**

HIDDEN HTML

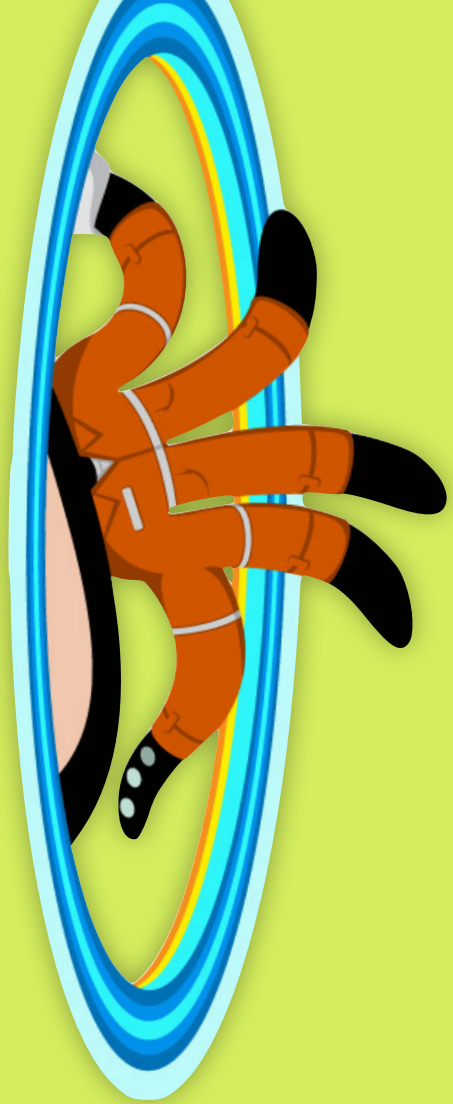
DIFF TOOLS

EMAIL HACKS

DEEP LINKING

CLEVER APIS

MEANING OF LIFE



EXPERIMENTATION



**“But Holman,
I’d use this all the time!**

WHY DON’T YOU JUST ADD A BUTTON?

You ass.”

lemme mock that up for u



I hated the Avengers

Detroit

Stalk Raches

Detroit

Someone Great

Boo Ohio

Users

Thingies

Magic

:emoji:

Horses

North America

Admin

Pull Request

Unwatch

768

Fork

101

play / play

Code

Checkboxes

Defaults

Teams

Preferences

Network

Pull Requests

Issues

19

Wiki

3

Graphs

play ► — your company's dj ☐ don't click this ☒ you must click this ☐ problem? ☐ mandatory checkbox<http://zachholman.com/screencast/play/> ☐ Use default defaults ☐ wat is going on ☐ i hate checkboxes ☐ death

Clone in Mac

ZIP

SSH

HTTP

Git Read-Only

git@github.com:play/play.git

Read+Write access

branch: master

Files

Commits

Detroit 6

Horses 6

Branches 6

lolwat 1

Tags 9

Downloads

Switch Branches/Tags

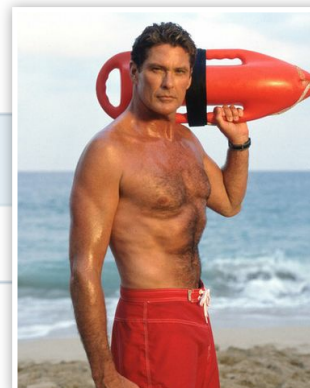
Filter branches/tags

Branches

Tags

add_last_played_at

bootstrap + ...



commit 7c6a888e6a



aim for simplicity
BUT STAY FLEXIBLE

GITHUB

.DIFF & .PATCH

```
From c26f694957bc582e4230697287c3f6a8dd459ca0 Mon Sep 17 00:00:00 2001
From: Joey Wendt <joeey@joeeywendt.com>
Date: Sun, 6 May 2012 15:08:12 -0500
Subject: [PATCH] Add GitHub organization options to bootstrap.
```

```
script/bootstrap | 22 ++++++-----
1 file changed, 21 insertions(+), 1 deletion(-)
```

```
diff --git a/script/bootstrap b/script/bootstrap
index 5343ca0..0ae204b 100755
```

```
--- a/script/bootstrap
```

```
+++ b/script/bootstrap
```

```
@@ -90,6 +90,18 @@ else
```

```
    echo ""
```

```
    echo "    + You need to register your Play instance on GitHub. "
```

```
    echo ""
```

```
+ echo "        Play access can be limited to users in a GitHub organization.
```

```
+ echo ""
```

```
+ echo "    + Would you like to use Play with a Github organization? (y or n)"
```

```
+ read use_gh_org
```

```
+ 
```

.DIFF & .PATCH

ADD .DIFF OR .PATCH TO URLS:

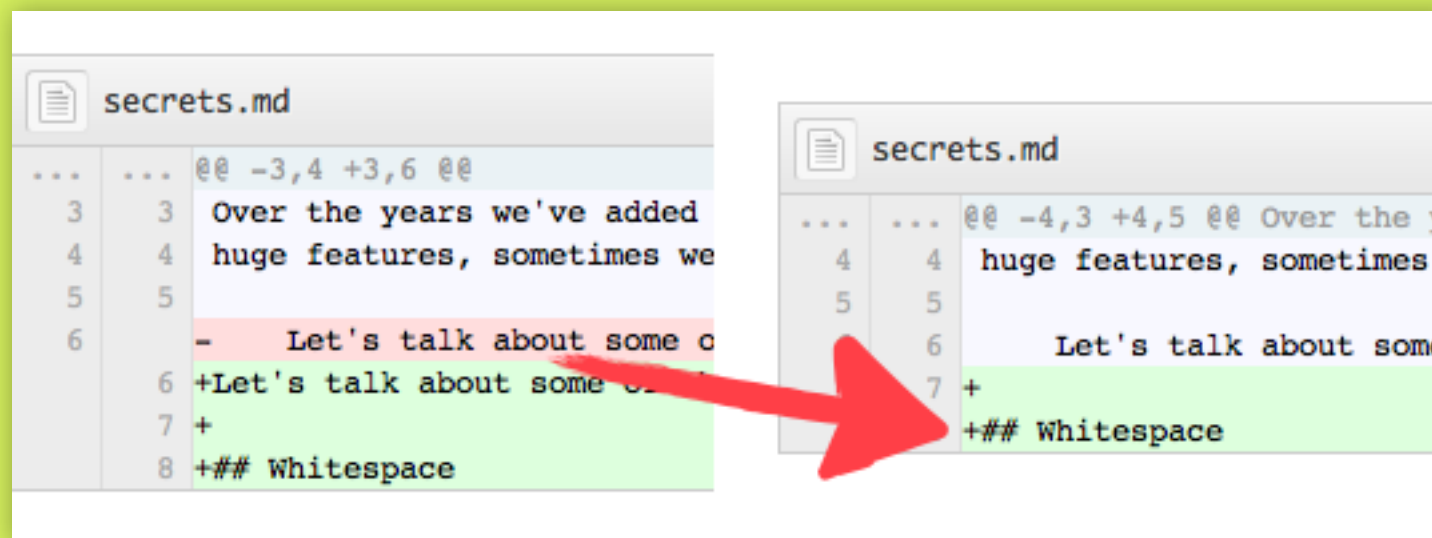
COMPARE VIEWS

PULL REQUESTS

COMMIT PAGES

IGNORE WHITESPACE

ADD **?w=1** TO ANY DIFF URL



SUBVERSION

EVERY GIT REPOSITORY

————— *is also a* —————

SVN REPOSITORY

SUBVERSION

SVN/GIT SERVICE LAYER

SUBVERSION

***SVN CALLS
TRANSLATE INTO
GIT CALLS ON OUR SERVERS***

SUBVERSION

SVN CHECKOUT [GITHUB.COM/HOLMAN/BOOM](https://github.com/HOLMAN/BOOM)

HTTP & SSH

***ZOMG SNEAKY
STEALTH CHANGES***

HTTP & SSH

PREVIOUSLY

SSH

HTTP

Git Read-Only

git@github.com:holman/play.git

HTTP & SSH

NEW HOTNESS

HTTP

SSH

Git Read-Only

`https://github.com/holman/play.git`

HTTP & SSH



***WE USE SMART HTTP
(EFFICIENT SERVERSIDE PACKFILE GENERATION)***

HTTP & SSH

WE USE SMART HTTP
(EFFICIENT SERVERSIDE PACKFILE GENERATION)

CORPORATE FIREWALLS
(OH NUTS)

HTTP & SSH

WE USE SMART HTTP
(EFFICIENT SERVERSIDE PACKFILE GENERATION)

CORPORATE FIREWALLS
(OH NUTS)

NO KEY GENERATION
(WINDOWS, NON-NECKBEARDS)

HTTP & SSH



HTTP & SSH

› git push origin master

Username for 'github.com':

[illegible]

HTTP & SSH

CREDENTIAL CACHING IN GIT 1.7.9

HELP.GITHUB.COM/ARTICLES/SET-UP-GIT

(INSTALLED BY HOMEBREW)

HTTP & SSH

STICKY SELECTOR

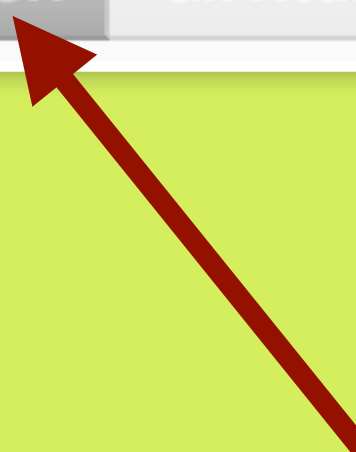
HTTP

SSH

Git Read-Only

git@github.com:play/play.git

***CLICK THIS,
GITHUB REMEMBERS***



CLONING WITHOUT .GIT

```
GIT CLONE HTTPS://GITHUB.COM/HOLMAN/BOOM.GIT
```



```
GIT CLONE HTTPS://GITHUB.COM/HOLMAN/BOOM
```

GITHUB HD™

**WITH OUR NEW ICON SET, WE'RE
SUPER-ZOOMABLE**

(⌘++ on a Mac or pinch on iOS)

GITHUB HD™

github

Search...



Explore Gist Blog Help



holman



PUBLIC



play / play

Admin

Pull Request

Unwatch

768

Fork

101

Code

Network

Pull Requests 5

Issues 19

Wiki 3

Graphs

play ► — your company's dj — [Read more](#)

<http://zachholman.com/screencast/play/>

Clone in Mac

ZIP

SSH

HTTP

Git Read-Only

git@github.com:play/play.git



Read+Write access

branch: master

Files

Commits

Branches 6

Tags 9

Downloads

Latest commit to the master branch

Merge pull request #160 from joeyw/add-gh-org-to-bootstrap



holman authored 10 days ago



commit 7c6a888e6a

play /

name	age	message	history
app	11 days ago	Tweak copy [holman]	
config	19 days ago	Lockdown [holman]	
...	...	...	

GITHUB HD™

github

Search...



Explore Gist Blog Help



play / play



Admin



Pull Request

Code

Network

Pull Requests

5

Issues

19

play ► — your company's dj — [Read more](#)

<http://zachholman.com/screencast/play/>



Clone in Mac



ZIP

SSH

HTTP

Git Read-Only

git@github.com:play/play.git



branch: master



Files

Commits

Branches

6



Latest commit to the **master** branch

Merge pull request [#160](#) from joeyw/add-gh-org-to-bootstrap



GITHUB HD™

github



Search...



play / play

Code

Network

play ► — your company's dj — [Read more](#)

<http://zachholman.com/screencast/play/>

GITHUB HD™

github



Search...



play / play

AUDITING

GITHUB.COM/SETTINGS/SECURITY

PUBLIC KEYS • REPOSITORIES

OCTOCAT



***CHEAP
ISTOCKPHOTO
ILLUSTRATION FOR
OUR ERROR PAGE***

OCTOCAT



***THEN PEOPLE
LIKED HIM***

OCTOCAT



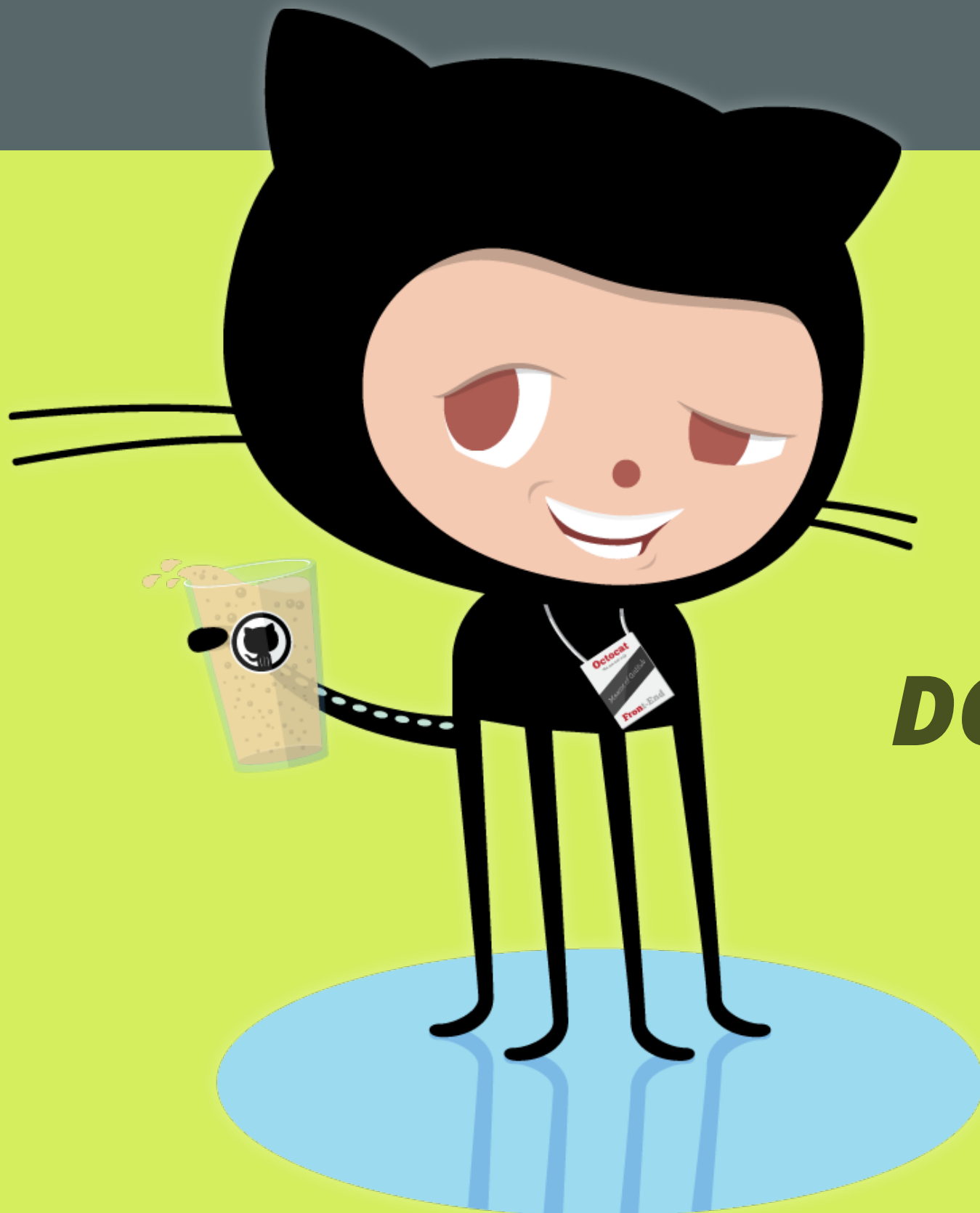
***BECAME SORT OF A
GITHUB MASCOT***

OCTOCAT



***HOLY CRAP WE
SHOULD GET
EXCLUSIVE RIGHTS***

OCTOCAT



DOZENS OF OCTOCATS
OCTODEX.GITHUB.COM

GIT.IO

GITHUB.COM URL SHORTENER

SHELL SCRIPT

git.io/nxVVig

USAGE

```
› gitio <url> <name>
```

```
http://git.io/nxVVig
```


OS X

Repositories > play/play >

Sync Branch

History

Changes

Branches

Settings

7 days ago · June 12, 2012



Zach Holman
Merge branch 'master' of github.com:play/play

Jun 12
1487cf

→



Zach Holman
Update sinatra_auth_github

Jun 12
56faf7

→



Zach Holman
Revert "Automatically select iTunes DJ on startup"

Jun 12
f55d87

→



Zach Holman
Merge pull request #173 from joeyw/remove-null-bytes-from-uploaded-song-names

Jun 12
ef61c3

→

May 24, 2012



Zach Holman
Merge pull request #174 from delta407/master

May 24
cdcac9

→



Will Glynn
Automatically select iTunes DJ on startup

May 24
972aac

→

May 23, 2012



Matt Graham

May 23

→

WINDOWS



local

repositories

github

tclem

github

libgit2

libgit2sharp

+ add ↻ refresh ⚙

FILTER REPOSITORIES

libgit2/GitForDelphi

libgit2/libgit2

libgit2/libgit2-backends

libgit2/libgit2.github.com

libgit2/libgit2sharp CLONE

libgit2/luagit2

libgit2/node-gitteh

libgit2/objective-git

libgit2/php-git

libgit2/pygit2

libgit2/rugged

tclem
LOG OUT

README.md

LibGit2Sharp

LibGit2Sharp is an thin .Net layer (well.. we try to keep it as thin as possible :-)) wrapping the [libgit2](#) linkable C Git library.

It provides a very opiniated API which should be very easy to use and discover.

Online resources

- [NuGet package](#)
- [Source code](#)
- [Issue tracker](#)
- [@libgit2sharp](#)

Quick contributing guide

- Fork and clone locally
- Configure your repo to convert line endings on commit so they are always LF in the repo:
 - On Windows: `$ git config --global core.autocrlf true`
 - On Linux: `$ git config --global core.autocrlf input`
- Create a topic specific branch. Add some nice feature. Do not forget the

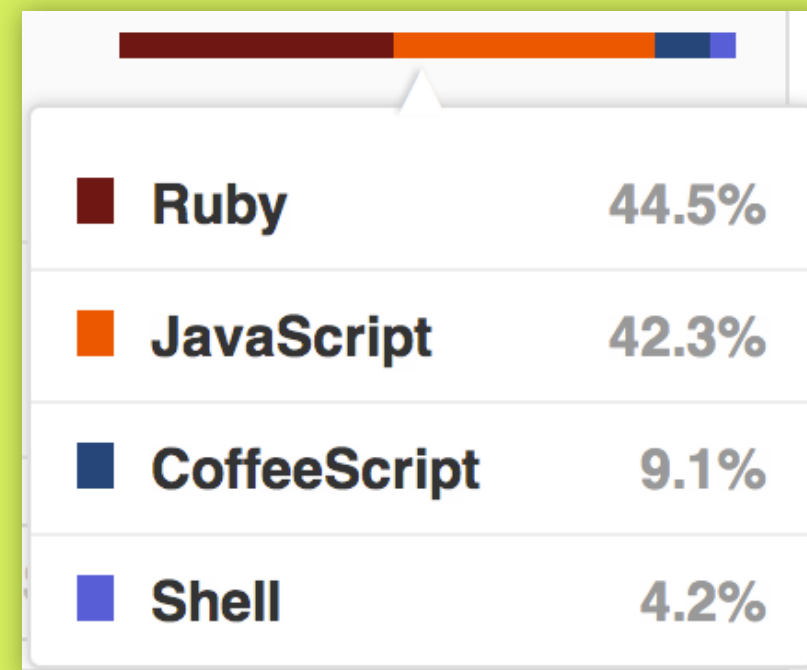
LINGUIST

LANGUAGE

detection

syntax highlighting

vendored files



LINGUIST

OPEN SOURCE AT:

GITHUB.COM/GITHUB/LINGUIST

EMAIL REPLIES

Reply to this email directly or view it on GitHub:

<https://github.com/github/github/issues/4022#issuecomment-5754921>

REPLY TO AN EMAIL! SRSLY!

ABUSING GIST

github:gist

ABUSING GIST

github:**gist** — ***AIN'T JUST FOR SNIPPETS*** —

DESIGNERS **ABUSING GIST**



Julie Horvath
@NRRRDCORE

DESIGNERS ABUSING GIST

gist: 2720312

download

fork

star

Description: Bending Shadows Backwards: Apple.com's Container CSS Sorcery

Public Clone URL: [git://gist.github.com/2720312.git](https://gist.github.com/2720312.git)

Embed All Files: [show embed](#)

apple-shadow.css #

embed

raw

```
1 .shadow-stuff {
2   -moz-border-radius: 0% 0% 100% 100% / 0% 0% 8px 8px;
3   -webkit-border-radius: 0% 0% 100% 100% / 0% 0% 8px 8px;
4   border-radius: 0% 0% 100% 100% / 0% 0% 8px 8px;
5   -moz-box-shadow: rgba(0,0,0,.30) 0 2px 3px;
6   -webkit-box-shadow: rgba(0,0,0,.30) 0 2px 3px;
7   box-shadow: rgba(0,0,0,.30) 0 2px 3px;
8 }
9
10 .container {
11   margin: 40 0 0 0;
12   background-color: white;
13   height: 200px;
14   border: 1px solid #FFF;
15   background: #F6F6F6;
16   background: -webkit-gradient(linear,left top,left bottom,color-stop(50%,rgba(249, 249, 249, 1)),color-stop(100%,rgba(240, 240, 240, 1) 100%);
17   background: -webkit-linear-gradient(top,rgba(249, 249, 249, 1) 50%,rgba(240, 240, 240, 1) 100%);
18   background: -moz-linear-gradient(top,rgba(249, 249, 249, 1) 50%,rgba(240, 240, 240, 1) 100%);
19   background: -o-linear-gradient(top,rgba(249, 249, 249, 1) 50%,rgba(240, 240, 240, 1) 100%);
20   background: -ms-linear-gradient(top,rgba(249, 249, 249, 1) 50%,rgba(240, 240, 240, 1) 100%);
21   background: linear-gradient(top,rgba(249, 249, 249, 1) 50%,rgba(240, 240, 240, 1) 100%);
22   -webkit-border-radius: 5px;
23   -moz-border-radius: 5px;
24   border-radius: 5px;
25   -webkit-box-shadow: inset 0 2px 1px rgba(255,255,255,.97);
26   -moz-box-shadow: inset 0 2px 1px rgba(255,255,255,.97);
27   box-shadow: inset 0 2px 1px rgba(255,255,255,.97);
28 }
```

apple-shadow.html #

embed

raw

```
1 <div class="shadow-stuff">
```



nrrrdcore (owner)

Forks

[gist: 2724607](#) by [aripalo](#) Bending Shadows Backwards: ...
created a month ago

[gist: 2727859](#) by [stevenh512](#) Bending Shadows Backwards: ...
created a month ago

[gist: 2806590](#) by [madhums](#) Bending Shadows Backwards: ...
created 24 days ago

Revisions

748e23 Nrrrdcore a month ago

fa6c26 Nrrrdcore a month ago

83fac0 Nrrrdcore a month ago

893883 Nrrrdcore a month ago

581bf7 Nrrrdcore a month ago

DESIGNERS

USING GIST



nrrrdcore commented **gist owner**

Peep the source/demo here. O

Tota

Oh hai.

PROTOTYPING TOOL

COMMENTS

SCREENSHOTS

CODE

Back to Install

DEVELOPERS
ABUSING GIST

DEVELOPERS **ABUSING GIST**

GISTS ARE FULL REPOS

Public Clone URL: <git://gist.github.com/2720312.git>

DEVELOPERS
ABUSING GIST

MICROGEMS
jeffkreftmeijer.com/2011/microgems-five-minute-rubygems

DEVELOPERS **ABUSING GIST**

aka GEM IN A GIST

INCLUDE A GEMSPEC IN YOUR GIST

DEVELOPERS ABUSING GIST

GEMFILE

```
gem 'test-spec-mini',  
  :git => 'git://gist.github.com/1806986.git'
```

DEVELOPERS **ABUSING GIST**

EXAMPLE

git.io/mini

DEVELOPERS
ABUSING GIST

**QUICK,
DISPOSABLE
PROJECTS**

IMAGE VIEW MODES

BIN | public/images/modules/about_page/jobs_opted.png

View file @ 641e3ab



W: 1599px | H: 400px



W: 2000px | H: 200px

2-up | Swipe | Onion Skin | Difference

COMPARE IMAGE REVISIONS

IMAGE VIEW MODES

BIN | public/images/modules/about_page/jobs_opted.png

View file @ 641e3ab



2-up | Swipe | Onion Skin | Difference

SWIPE TO SEE DIFFERENCES

IMAGE VIEW MODES

BIN public/images/modules/about_page/jobs_opted.png

View file @ 641e3ab



2-up | Swipe | Onion Skin | Difference

SWIPE TO SEE DIFFERENCES

HUB

COMMAND LINE GITHUB

HUB

INSTALL

```
brew install hub
```

FANCY CLONING

hub clone holman/boom

HUB

MULTI-REMOTE PUSHES

```
hub push origin,staging
```

ATTACH A PULL REQUEST TO AN ISSUE

```
hub pull-request -i <ISSUE>
```


ALIASING FTW

```
alias git=hub
```

HUB

OPEN SOURCE AT:

GITHUB.COM/DEFUNKT/HUB

ERROR PAGES

github

[Signup and Pricing](#)

[Explore GitHub](#)

[Features](#)

[Blog](#)

[Login](#)

404

This is not the
web page you
are looking for.



GitHub

- [About](#)
- [Blog](#)
- [Features](#)
- [Contact & Support](#)
- [Training](#)
- [GitHub Enterprise](#)
- [Site Status](#)

Tools

- [Gauges: Analyze web traffic](#)
- [Speaker Deck: Presentations](#)
- [Gist: Code snippets](#)
- [GitHub for Mac](#)
- [Issues for iPhone](#)
- [Job Board](#)

Extras

- [GitHub Shop](#)
- [The Octodex](#)

Documentation

- [GitHub Help](#)
- [Developer API](#)
- [GitHub Flavored Markdown](#)
- [GitHub Pages](#)

ACCELEROMETERS!



10:45 PM



 GitHub, Inc.

github.com/404



Google

github

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[Login](#)

404

This is not the
web page you
are looking for.



KEYBOARD SHORTCUTS



FILE FINDER

KEYBOARD SHORTCUTS

github-services / Ra

 **Octotip:** You've activated the *file finder* by pressing **t** Start typing to filter the file list. Use **↑** and **↓** to navigate, **enter** to view files.

name
 Rakefile
 docs/railsbp
 README.mkdn
 test/railsbp_test.rb
 vendor/internal-gems/yammer4r-0.1.5/ Rakefile
 services/railsbp.rb
 docs/trac
 docs/jira
 docs/travis
 docs/you_track
 README

KEYBOARD SHORTCUTS



BRANCH SELECTOR

KEYBOARD SHORTCUTS

The screenshot shows a web application interface with a top navigation bar and a modal dialog. The navigation bar includes a dropdown menu for the current branch, 'branch: master', and three tabs: 'Files', 'Commits', and 'Branches' (which has a count of 4). The modal dialog, titled 'Switch Branches/Tags', is open and contains a search input field with the text 'ma'. Below the input field are two tabs: 'Branches' and 'Tags'. The 'Branches' tab is active, showing a list of branches: 'mail-gem' (highlighted in blue) and 'master'. In the background, a code editor is visible with the following Ruby code:

```
1 require 'rake/testtask'
2 Rake::TestTask.new(:test) do |test|
3   test.files = ['lib/**/*.rb', 'test/**/*.rb']
4 end
```


KEYBOARD SHORTCUTS

S

QUICK SEARCH

github



KEYBOARD SHORTCUTS



ALL COMMANDS

SUBSCRIBING PEOPLES

Also, the gravatar and commit sha1 should probably be top aligned.

/cc @rsanheim, @kneath

2 participants



**MOST OF
OUR ISSUES
END WITH
MENTIONS**

SUBSCRIBING PEOPLES

Also, the gravatar and commit sha1 should probably be top aligned.

/cc @rsanheim, @kneath

2 participants



**MENTIONED USERS
GET SUBSCRIBED TO
ALL SUBSEQUENT
NOTIFICATIONS**

SUBSCRIBING PEOPLES



 **jonrohan** commented

15 hours ago

I know there's a history here that predates most people, so I want to see what **@kneath** thinks.

@github/designers

ALSO MENTION TEAMS DIRECTLY

@ORG/TEAM

GITHUB FLAVORED MARKDOWN **AUTOLINKED SHAS**

Revert "Add initial iCloud/iTunes Match support"

[Browse code](#)

This reverts commit [969a2d5](#).

This breaks downloading and appears to not work.



holman authored a month ago

1 parent [03b7c333fe](#) commit [2de0cc382db44459222a540f9e811ef8eb98096d](#)

MENTION SHA, WE AUTOLINK

GITHUB FLAVORED MARKDOWN **AUTOLINKED CROSS-REPO SHAS**

Revert "Add initial iCloud/iTunes Match support"

[Browse code](#)

This reverts commit [969a2d5](#).

This breaks downloading and appears to not work.



holman authored a month ago

1 parent [03b7c333fe](#) commit [2de0cc382db44459222a540f9e811ef8eb98096d](#)

USER@SHA1

USER/REPO@SHA1

GITHUB FLAVORED MARKDOWN AUTOLINKED CROSS-REPO ISSUES

This is a workaround for [#4021](#) until we can figure out what we are able to troubleshoot these issues a lot better now.

/cc @josh, @sr - Looking for feedback on the general approach

2 participants



#1 • **USER#1** • **USER/REPO#1**

GITHUB FLAVORED MARKDOWN **FENCED CODE HIGHLIGHTING**

```
```ruby
require 'redcarpet'
markdown = Redcarpet.new("Hello World!")
puts markdown.to_html
```
```

SPECIFY YOUR LANGUAGE

GITHUB FLAVORED MARKDOWN FENCED CODE HIGHLIGHTING

```
require 'redcarpet'  
markdown = Redcarpet.new("Hello World!")  
puts markdown.to_html
```

RENDERED README OUTPUT

AUTO-CLOSING ISSUES

fix unclosed `<span>` in diff partial, closes #3870

[Browse code](#)



rtomayko authored 7 days ago

1 parent [034d881027](#) commit [313830979d9adc86892e36bb4a07a344d6fdf6df](#)

CLOSES/CLOSED/CLOSE #1

FIXES/FIXED/FIX #1



rtomayko closed this issue from a commit

7 days ago

[3138309](#) fix unclosed `<span>` in diff partial, closes #3870

Closed



rtomayko closed the issue in [3138309](#) 7 days ago

COMMITTS BY AUTHOR

play / Commit History 

Keyboard shortcuts available 

May 06, 2012



Merge pull request **#160** from joeyw/add-gh-org-to-bootstrap 

holman authored 11 days ago

7c6a888e6a 

Browse code 

May 05, 2012



Tweak copy

holman authored 11 days ago

7efe443087 

Browse code 

REPOSITORY COMMITS

github.com/play/play/commits/master

COMMITTS BY AUTHOR

play / Commit History 

Keyboard shortcuts available 

May 06, 2012



Merge pull request **#160** from joeyw/add-gh-org-to-bootstrap 

holman authored 11 days ago

7c6a888e6a 

Browse code 

May 05, 2012



Tweak copy

holman authored 11 days ago

7efe443087 

Browse code 

AUTHOR QUERY PARAM

?author=holman

PULL REQUESTS BRANCH-TO-BRANCH

Base branch · tag · commit

✓ play/play

DavidAntaramian/play

Dustfield/play

IanWhalen/play

Jlawr3nc3/play

Mattia/play

VijayJain/play

aSadhankar/play

abuisman/play

adamsheridan/play

adamstrawson/play

adrpac/play

amiuhle/play

andreazaupa/play

@ master

0 from joeyw/add-gh-org-to-bootstrap

8d051e5060668ad91c

...

Head branch · tag · commit

play/play @ master

 holman (author) · 10 days ago

Merge pull request #160 from joeyw/add-gh-org-to-bootstrap

7c6a888e6ac79efb8bb2098d051e5060668ad91c

Update Commit Range

**PULLS NEEDN'T
BE FROM A FORK**

PULL REQUESTS BRANCH-TO-BRANCH

Base branch · tag · commit

✓ play/play

DavidAntaramian/play

Dustfield/play

IanWhalen/play

Jlawr3nc3/play

Mattia/play

VijayJain/play

aSadhankar/play

abuisman/play

adamsheridan/play

adamstrawson/play

adrpac/play

amiuhle/play

andreaupa/play

@ master

... days ago

0 from joeyw/add-gh-org-to-bootstrap

8d051e5060668ad91c

...

Head branch · tag · commit

play/play @ master

 holman (author) · 10 days ago

Merge pull request #160 from joeyw/add-gh-org-to-bootstrap

7c6a888e6ac79efb8bb2098d051e5060668ad91c

Update Commit Range

WE ONLY WORK
OFF BRANCHES

PULL REQUESTS BRANCH-TO-BRANCH

Base branch · tag · commit

✓ play/play

DavidAntaramian/play

Dustfield/play

IanWhalen/play

Jlawr3nc3/play

Mattia/play

VijayJain/play

aSadhankar/play

abuisman/play

adamsheridan/play

adamstrawson/play

adrpac/play

amiuhle/play

andreazaupa/play

@ master

... days ago

0 from joeyw/add-gh-org-to-bootstrap

8d051e5060668ad91c

...

Head branch · tag · commit

play/play @ master

 holman (author) · 10 days ago

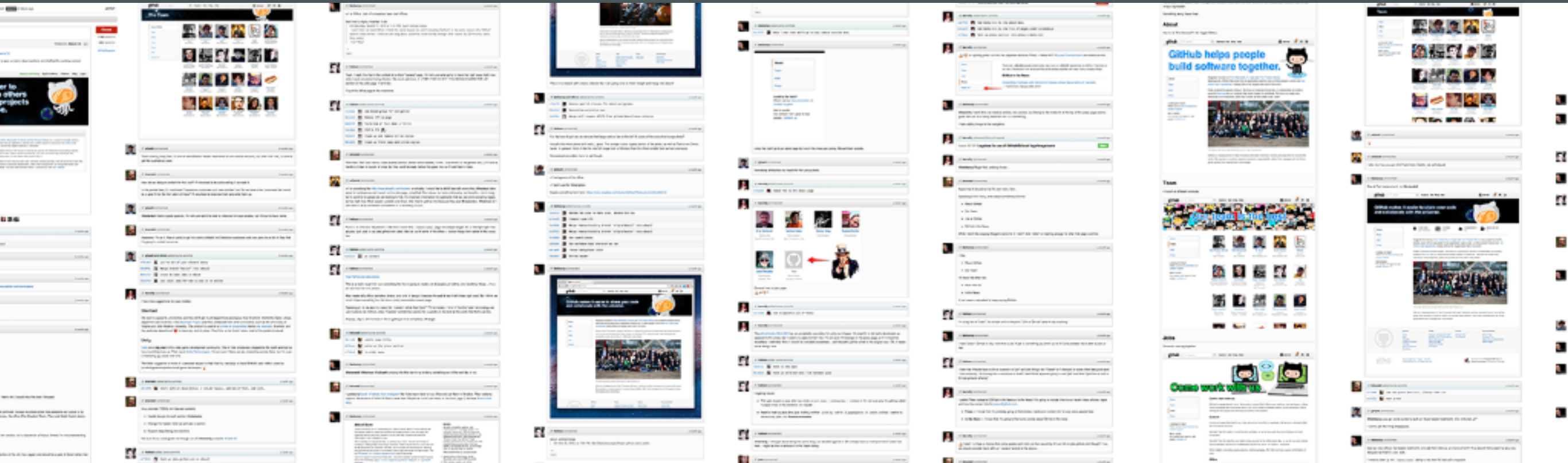
Merge pull request #160 from joeyw/add-gh-org-to-bootstrap

7c6a888e6ac79efb8bb2098d051e5060668ad91c

Update Commit Range

SIMPLE PERMISSIONS
SIMPLE GIT COMMANDS

PULL REQUESTS USE SCREENSHOTS



MARKDOWN

![title](http://example.com/image.png)

PULL REQUESTS CONVERT ISSUE TO PULL

github:developer

API v3 | API v2 | Support

API v3

This describes the resources that make up the official GitHub API v3. If you have any problems or requests please contact [support](#).

Summary

OAuth

POST /repos/:user/:repo/pulls

```
{  
  "issue": "5",  
  "head": "octocat:new-feature",  
  "base": "master"  
}
```

EMOJI!



SHIPIT



+1



-1



HEART



FIRE



RAGE2

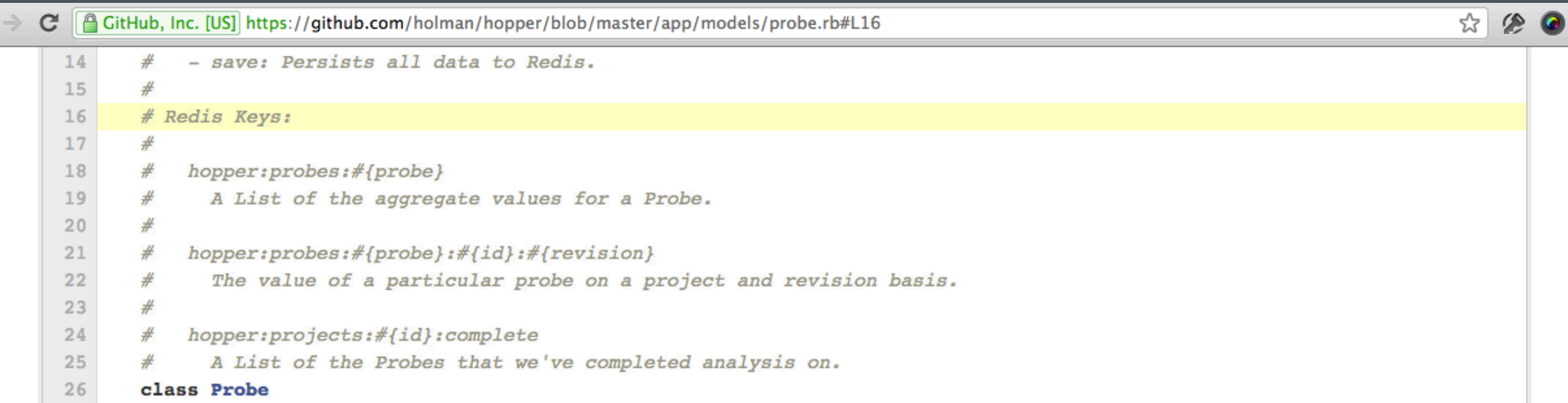


SHIT

:EMOJI:

EMOJI-CHEAT-SHEET.COM

LINE LINKING



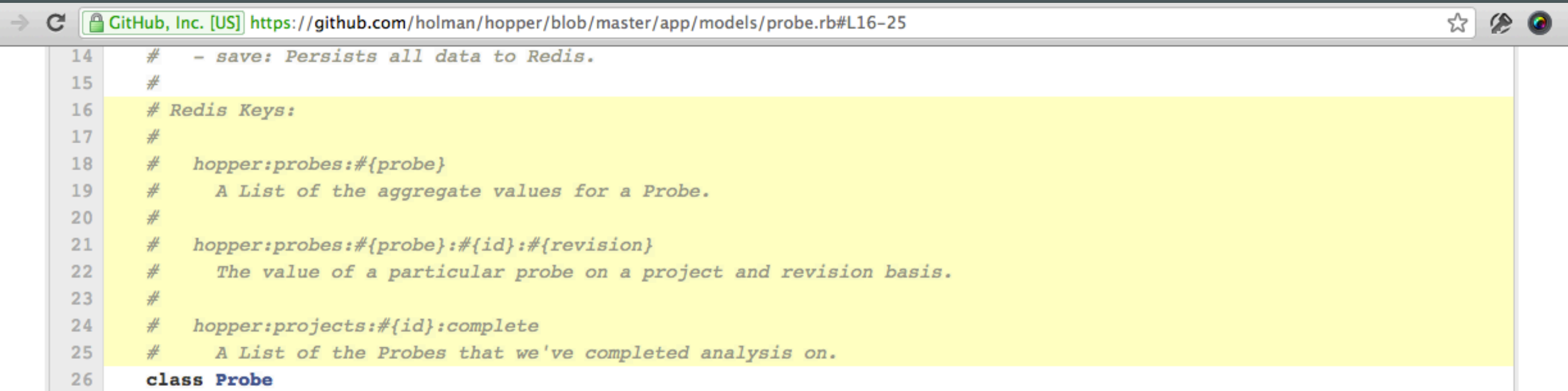
The screenshot shows a web browser window with the address bar displaying the URL: <https://github.com/holman/hopper/blob/master/app/models/probe.rb#L16>. The page content is a Ruby file named `probe.rb`. Line 16, which contains the comment `# Redis Keys:`, is highlighted in yellow. The line numbers 14 through 26 are visible on the left side of the code editor.

```
14 # - save: Persists all data to Redis.
15 #
16 # Redis Keys:
17 #
18 #   hopper:probes:#{probe}
19 #     A List of the aggregate values for a Probe.
20 #
21 #   hopper:probes:#{probe}:#{id}:#{revision}
22 #     The value of a particular probe on a project and revision basis.
23 #
24 #   hopper:projects:#{id}:complete
25 #     A List of the Probes that we've completed analysis on.
26 class Probe
```

CLICK A LINE

ADDS #L16 TO URL

LINE LINKING

A screenshot of a web browser window displaying a GitHub file. The address bar shows the URL: <https://github.com/holman/hopper/blob/master/app/models/probe.rb#L16-25>. The page content shows a Ruby file with line numbers 14 through 26 on the left. Lines 16 through 25 are highlighted in yellow, corresponding to the range specified in the URL. The code is as follows:

```
14 # - save: Persists all data to Redis.  
15 #  
16 # Redis Keys:  
17 #  
18 #   hopper:probes:#{probe}  
19 #     A List of the aggregate values for a Probe.  
20 #  
21 #   hopper:probes:#{probe}:#{id}:#{revision}  
22 #     The value of a particular probe on a project and revision basis.  
23 #  
24 #   hopper:projects:#{id}:complete  
25 #     A List of the Probes that we've completed analysis on.  
26 class Probe
```

ALSO ACCEPTS RANGES

#L16-25

ADVANCED COMPARE VIEW

Compare View

Last commit 10 days ago

⇔ master@{11.day.ago} ... master

Showing 7 commits by 3 authors.

| | | | |
|--------------------------|--|--|-------------|
| a6baca54 |  joeyw | Fix session bug and lack of 403 handling. Closes #154. | 14 days ago |
| c318f5bd |  kevinsawicki | Update Android application screenshot | 11 days ago |
| e84857cb |  holman | bundle cache (closes #157) | 11 days ago |
| d8b8b6ad |  holman | Merge pull request #155 from joeyw/fix-session-bug | 11 days ago |

github.com/user/repo/compare/{range}

{RANGE} = MASTER...MY-BRANCH

ADVANCED COMPARE VIEW

Compare View

Last commit 10 days ago

⇄ master@{11.day.ago} ... master

Showing 7 commits by 3 authors.

| | | | |
|--------------------------|--|--|-------------|
| a6baca54 |  joeyw | Fix session bug and lack of 403 handling. Closes #154. | 14 days ago |
| c318f5bd |  kevinsawicki | Update Android application screenshot | 11 days ago |
| e84857cb |  holman | bundle cache (closes #157) | 11 days ago |
| d8b8b6ad |  holman | Merge pull request #155 from joeyw/fix-session-bug | 11 days ago |

{RANGE} IS SMART

ADVANCED COMPARE VIEW

Compare View

Last commit 10 days ago

 master@{11.day.ago} ... master

Showing 7 commits by 3 authors.

| | | | |
|--------------------------|--|--|-------------|
| a6baca54 |  joeyw | Fix session bug and lack of 403 handling. Closes #154. | 14 days ago |
| c318f5bd |  kevinsawicki | Update Android application screenshot | 11 days ago |
| e84857cb |  holman | bundle cache (closes #157) | 11 days ago |
| d8b8b6ad |  holman | Merge pull request #155 from joeyw/fix-session-bug | 11 days ago |

MASTER@{1.day.ago}...MASTER

ADVANCED COMPARE VIEW

Compare View

Last commit 10 days ago

⇄ master@{11.day.ago} ... master

Showing 7 commits by 3 authors.

| | | | |
|--------------------------|--|--|-------------|
| a6baca54 |  joeyw | Fix session bug and lack of 403 handling. Closes #154. | 14 days ago |
| c318f5bd |  kevinsawicki | Update Android application screenshot | 11 days ago |
| e84857cb |  holman | bundle cache (closes #157) | 11 days ago |
| d8b8b6ad |  holman | Merge pull request #155 from joeyw/fix-session-bug | 11 days ago |

MASTER@{yesterday}...MASTER

ADVANCED COMPARE VIEW

Compare View

Last commit 10 days ago

⇄ master@{11.day.ago} ... master

Showing 7 commits by 3 authors.

| | | | |
|--------------------------|--|--|-------------|
| a6baca54 |  joeyw | Fix session bug and lack of 403 handling. Closes #154. | 14 days ago |
| c318f5bd |  kevinsawicki | Update Android application screenshot | 11 days ago |
| e84857cb |  holman | bundle cache (closes #157) | 11 days ago |
| d8b8b6ad |  holman | Merge pull request #155 from joeyw/fix-session-bug | 11 days ago |

MASTER@{2012-02-25}...MASTER

GIT

COMMITLESS COMMITS

--allow-empty

COMMITLESS COMMITS

```
› git commit \  
  -m "LOOK AT ME TROLOLOL" \  
  --allow-empty
```

```
[master 1a3fbce] LOOK AT ME TROLOLOL
```

STAGING HUNKS

```
git add -p
```

```
diff --git a/README.md b/README.md
index e69de29..a224a77 100644
--- a/README.md
+++ b/README.md
@@ -0,0 +1,5 @@
+# THE README
+
+### A quality story by @holman
Stage this hunk [y,n,q,a,d,/e,?]
```

STAGING HUNKS

Stage this hunk [y,n,q,a,d,/,e,?]? ?

y - stage this hunk

git add -p

r any of the remaining ones
nks in the file

a - do not stage this hunk nor any of the later hunks in the file

g - select a hunk to go to

/ - search for a hunk matching the given regex

j - leave this hunk undecided, see next undecided hunk

J - leave this hunk undecided, see next hunk

k - leave this hunk undecided, see previous undecided hunk

K - leave this hunk undecided, see previous hunk

s - split the current hunk into smaller hunks

e - manually edit the current hunk

? - print help

STAGING HUNKS

```
git add -p
```

SMALL, LOGICAL COMMIT SETS

LAST MATCHED COMMIT SEARCH

```
git show :/query
```

LAST MATCHED COMMIT SEARCH

```
› git show :/stupid
```

```
commit 76f4b2b15722d05c7acf7ec12b3ea98d6fb4c213
```

```
Author: Aman Gupta <aman@tmm1.net>
```

```
Date: Fri Apr 27 16:34:55 2012 -0700
```

```
stupid hacks around rails Logger monkey patching
```

GO BACK

```
› cd -
```

```
› git checkout -
```

```
Switched to branch 'master'
```

```
› git checkout -
```

```
Switched to branch 'next'
```

MERGED BRANCHES

```
› git branch --merged
```

```
* master  
  change_email  
  auth
```

MERGED BRANCHES

```
› git branch --no-merged
```

```
date-fix  
test-speed
```

MERGED BRANCHES

```
› git branch --contains 838ad46
```

```
date-fix
```

CONTENT COPY

```
› git checkout BRANCH -- path/to/file.rb
```

COPIES file.rb **AT** BRANCH
WITHOUT SWITCHING BRANCHES

REACHABLE COMMITS

COMMITTS IN A THAT AREN'T IN B

```
› git log branchA ^branchB
```


FINDING LOST COMMITS

› `git fsck --lost-found`

```
dangling blob 517b8fc32153761aad15a96947911938f809a28
dangling commit e4fb392355bf37db17f2f601ca68a208a7c16a1d
dangling commit f53b6771ed929896eca1149e741084930262b9fb
dangling blob 61bd82962fc470543b17ce6adee37c184cae63cf
dangling commit 9cbd3ff21acbd8673259969efaa0a9762fe75046
...
```

DIFFSTATS

```
› git diff HEAD^ --stat
```

```
README.md | 2 +-  
1 files changed, 1 insertions(+), 1 deletions(-)
```

BLAME

› git blame

```
^b649495 (Zach Holman 1) class User
^b649495 (Zach Holman 2)   def name
c8c05b6e (Zach Holman 3)   'Foucault'
^b649495 (Zach Holman 4)   end
^b649495 (Zach Holman 5) end
```

BLAME

› **git blame**

```
^b649495 (Zach Holman 1) class User
^b649495 (Zach Holman 2)  def name
c8c05b6e (Zach Holman 3)  'Foucault'
^b649495 (Zach Holman 4)  end
^b649495 (Zach Holman 5) end
```

IGNORE WHITESPACE **BLAME**

› **git blame -w**

```
^b649495 (Zach Holman 1) class User
^b649495 (Zach Holman 2)   def name
^b649495 (Zach Holman 3)     'Foucault'
^b649495 (Zach Holman 4)   end
^b649495 (Zach Holman 5) end
```

DETECT MOVES **BLAME**

› `git blame -M`

A

B

DETECT MOVES **BLAME**

› `git blame -M`

B

A

DETECT MOVES
BLAME

```
› git blame -M
```

**BLAMES ORIGINAL COMMIT,
NOT THE MOVE COMMIT**

DETECT MOVES OVER FILES
BLAME

```
› git blame -C
```

**LIKE -M, BUT LOOKS AT OTHER
FILES IN THAT SAME COMMIT**

DETECT MOVES OVER FILES
BLAME

```
› git blame -CC
```

**ALSO LOOKS AT THE COMMIT
THE FILE WAS CREATED IN**

DETECT MOVES OVER FILES
BLAME

```
› git blame -CCC
```

ALSO LOOKS AT ALL COMMITS

MULTI-REMOTE FETCHES

```
› git config remotes.mygroup 'remote1 remote2'
```

```
› git fetch mygroup
```

A BETTER STATUS

› git status

```
› git status
# On branch master
# Changes not staged for commit:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   README.md
#
no changes added to commit (use "git add" and/or "git commit -a")
```

A BETTER STATUS

```
› git status -sb
```

```
## master
```

```
M README.md
```

WORD DIFFING

```
› git diff HEAD^
```

```
index 37ebc1b..2589f44 100644
```

```
--- a/README.md
```

```
+++ b/README.md
```

```
@@ -1,3 +1,3 @@
```

```
# This is a repository
```

```
-There are many like it, but this one is mine.
```

```
+There are many like it, but this one is prolly mine.
```


WORD DIFFING

```
› git diff HEAD^ --word-diff
```

```
index 37ebc1b..2589f44 100644
```

```
--- a/README.md
```

```
+++ b/README.md
```

```
@@ -1,3 +1,3 @@
```

```
# This is a repository
```

There are many like it, but this one is **{+prolly+}** mine.

CONFIG: SPELLING

› **git comit**

git: 'comit' is not a git command. See 'git --help'.

Did you mean this?
commit

CONFIG: SPELLING

```
› git config --global help.autocorrect 1
```

```
› git comit
```

```
WARNING: You called a Git command named 'comit', which does not exist.  
Continuing under the assumption that you meant 'commit'  
in 0.1 seconds automatically...
```

CONFIG: GIT RERERE

REUSE RECORDED RESOLUTION

```
› git config --global rerere.enabled 1
```

***REMEMBERS AND RECORDS
MERGE CONFLICTS***

LONG-RUNNING BRANCHES

CONFIG: COLOR!



```
› git config --global color.ui 1
```

ALIAS: GIT-AMEND

› `git-amend`

› `git commit --amend -C HEAD`

ALIAS: GIT-UNDO

```
› git reset --soft HEAD^
```

(RETAINS COMMIT AS STAGED)

ALIAS: GIT-COUNT

› `git shortlog -sn`

```
500 Zach Holman
42  Jon Maddox
29  Jason Costello
18  Joey Wendt
17  Aman Gupta
13  Michael Edwards
10  Ben Bleikamp
9   medwards
6   Paul Betts
5   Tom Bell
...
```

SCRIPT: GIT-CREDIT

```
› git credit "Zach Holman" zach@example.com
```

```
› git commit --amend --author "$1 <$2>" -C HEAD
```

***SETS HEAD'S AUTHOR
AS SOMEONE ELSE***

Whew.



Also,

AN OCTOCAT:

*4 LEGS
1 TAIL*



THANKS&THANKS

ZACHHOLMAN
ZACHHOLMAN.COM/TALKS

@HOLMAN