

GIT&GITHUB&SECRETS

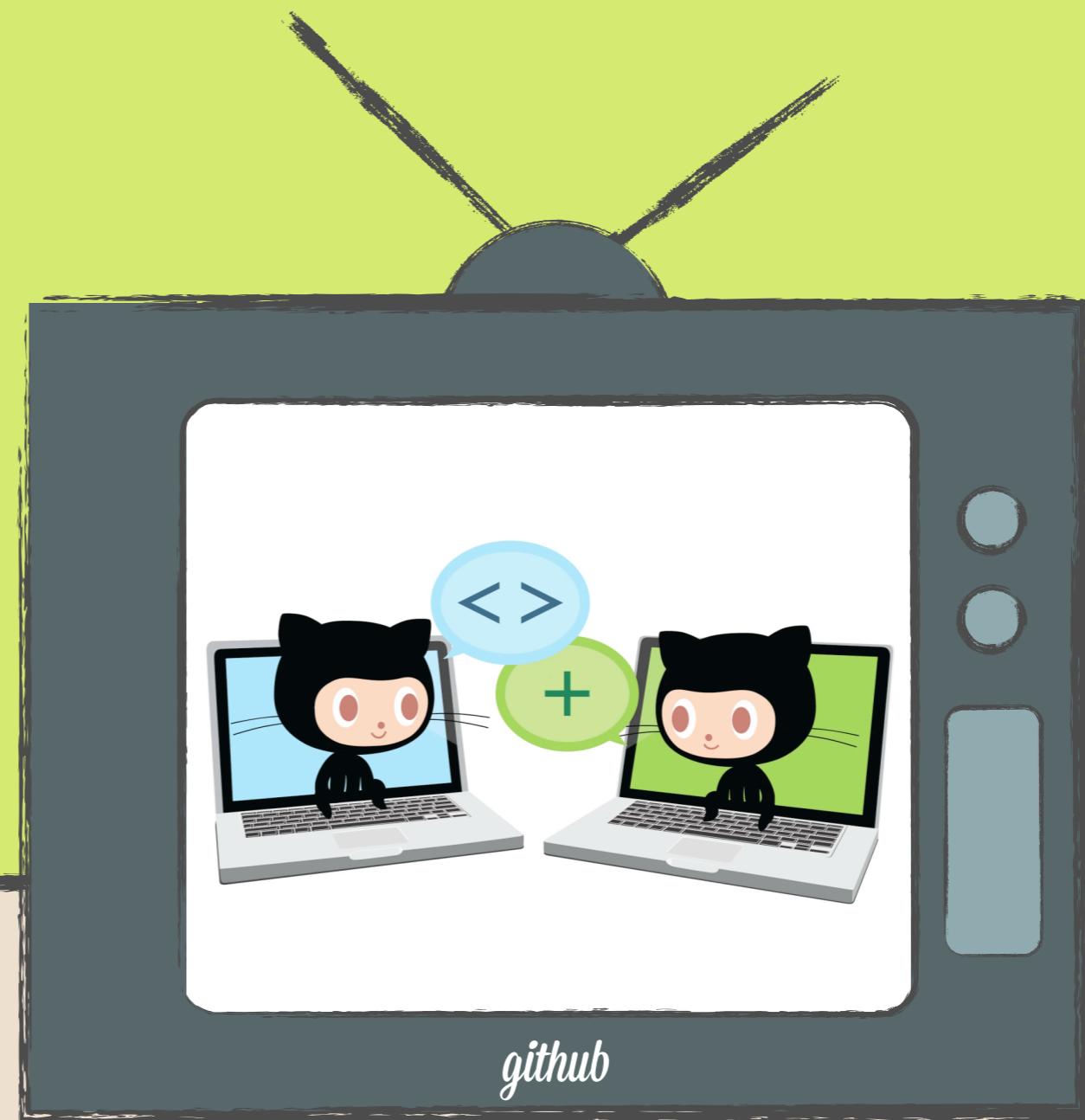
LOST



@ HOLMAN

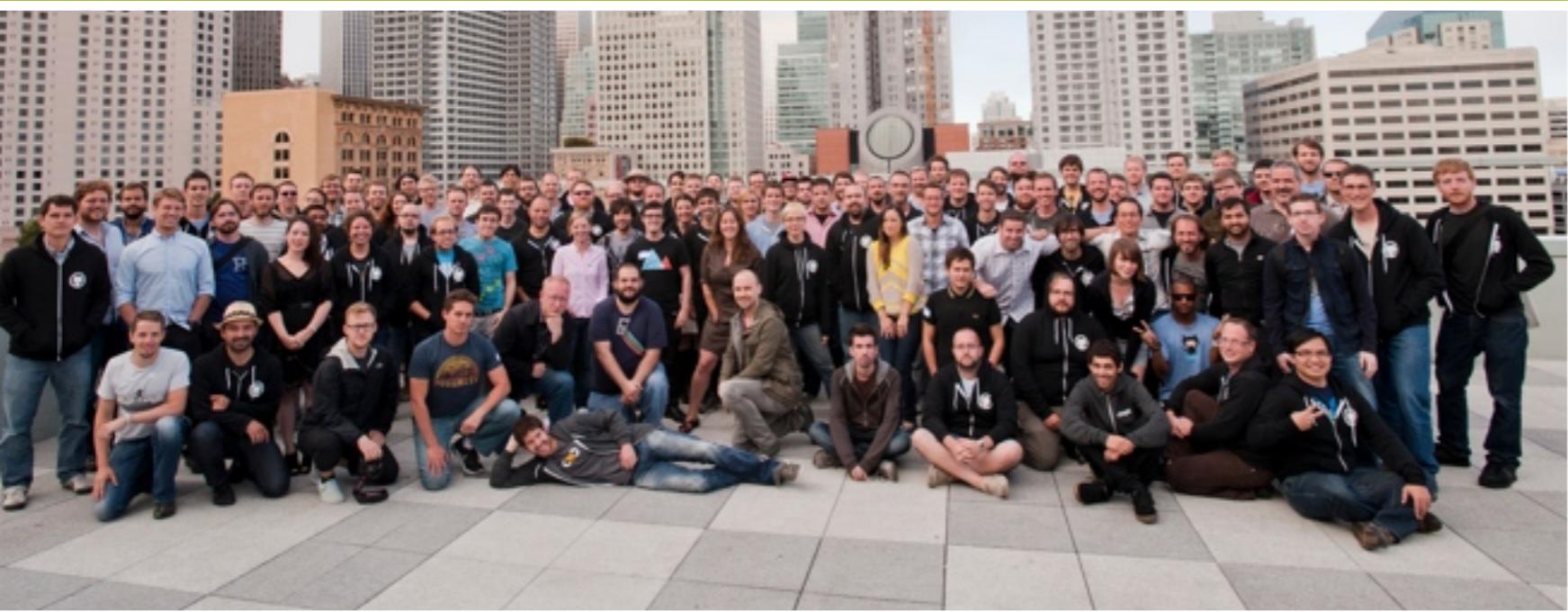
YO QUIT READING THIS SHIT

NO
FORKING

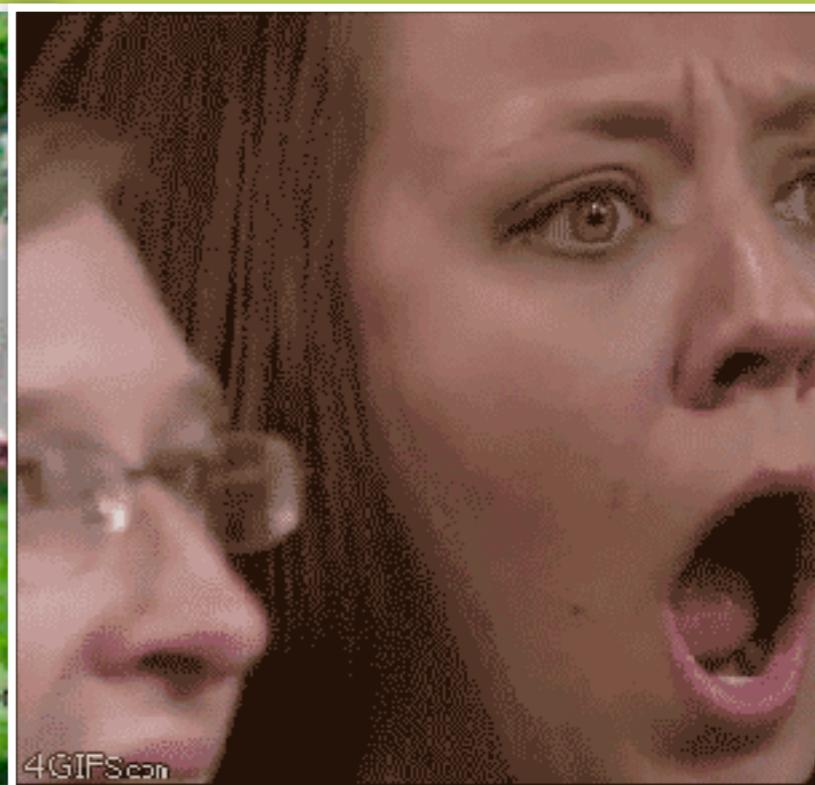




***I AM DEFINITELY
NOT A SMART GUY***



***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

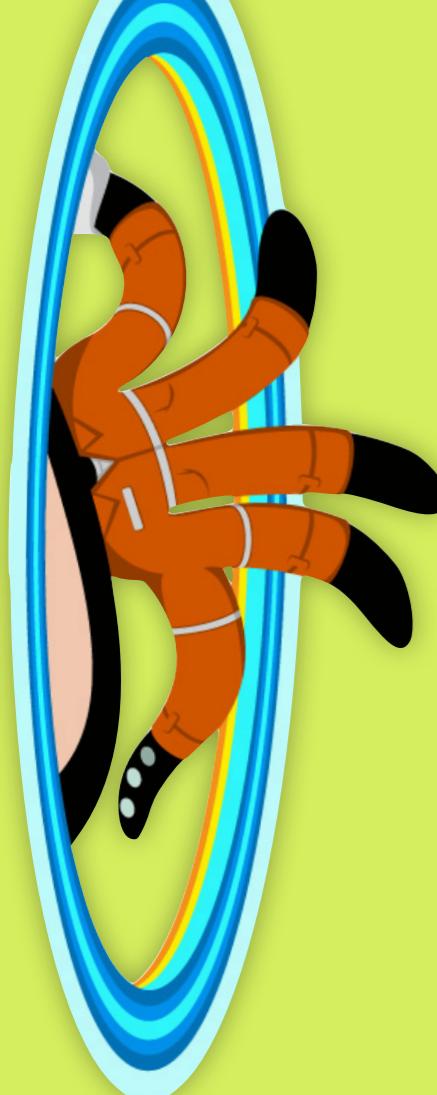
DEEP LINKING

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

PUBLIC

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

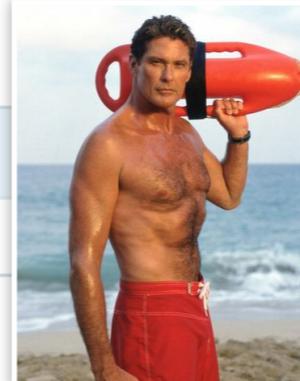
branch: master ▾ Files Commits Detroit 6 Horses 6 Branches 6 lolwat 1 Tags 9 Downloads

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 <joeyswift@joeywendt.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



```
diff --git secrets.md secrets.md
--- secrets.md    ...
+++ secrets.md   ...
@@ -3,4 +3,6 @@
 3  Over the years we've added
 4  huge features, sometimes we
 5
 6  - Let's talk about some o
 6 +Let's talk about some o
 7 +
 8 +## Whitespace
```

```
diff --git secrets.md secrets.md
--- secrets.md    ...
+++ secrets.md   ...
@@ -4,3 +4,5 @@
 4  Over the years we've added
 5  huge features, sometimes we
 6
 7  - Let's talk about some o
 7 +Let's talk about some o
 8 +## Whitespace
```

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

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':
```

FUUUUUUUUUUUUUUUUUU

HTTP & SSH

CREDENTIAL CACHING IN GIT 1.7.9

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

(INSTALLED BY HOMEBREW)

HTTP & SSH

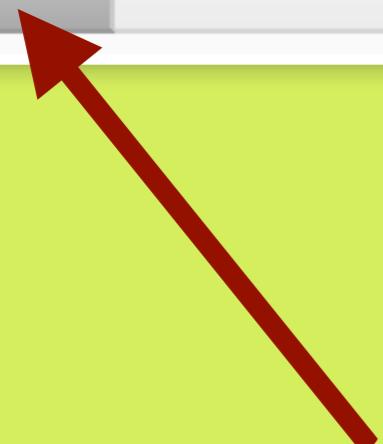
STICKY SELECTOR

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]	
...	12 days ago	All GitHub repositories are now public	

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

IC

AUDITING

GITHUB.COM/SETTINGS/SECURITY

PUBLIC KEYS • REPOSITORIES

OCTOCAT



**CHEAP
ISTOCKPHOTO
ILLUSTRATION FOR
OUR ERROR PAGE**

OCTOCAT



**THEN PEOPLE
LIKED HIM**

OCTOCAT



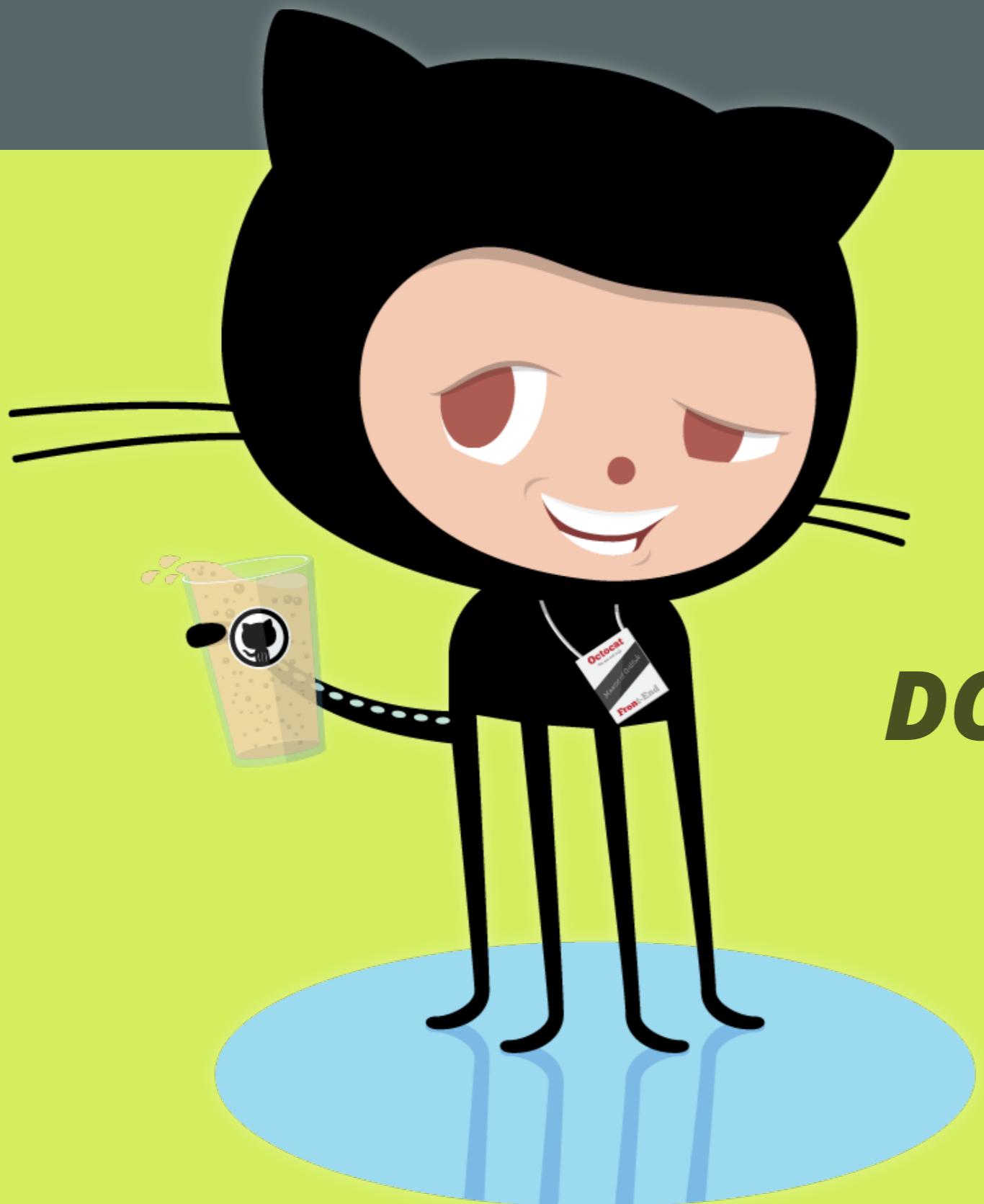
***BECAME SORT OF A
GITHUB MASCOT***

OCTOCAT



**HOLY CRAP WE
SHOULD GET
EXCLUSIVE RIGHTS**

OCTOCAT



**DOZENS OF OCTOCATS
OCTODEX.GITHUB.COM**

GIT.IO

GITHUB.COM URL SHORTENER

GIT.IO

SHELL SCRIPT

git.io/nxVVig

GIT.IO

USAGE

```
› gitio <url> <name>
```

<http://git.io/nxVVig>



Repositories > play/play >

Sync Branch

History Changes Branches Settings

7 days ago - June 12, 2012

- Zach Holman** Jun 12 1487cf Merge branch 'master' of github.com:play/play
- Zach Holman** Jun 12 56faf7 Update sinatra_auth_github
- Zach Holman** Jun 12 f55d87 Revert "Automatically select iTunes DJ on startup"
- Zach Holman** Jun 12 ef61c3 Merge pull request #173 from joeyw/remove-null-bytes-from-uploaded-song-names

May 24, 2012

- Zach Holman** May 24 cdcac9 Merge pull request #174 from delta407/master
- Will Glynn** May 24 972aac Automatically select iTunes DJ on startup

May 23, 2012

- Matt Graham** May 23

WINDOWS



tclem LOG OUT

local

repositories

github

tclem

github

libgit2

libgit2sharp

FILTER REPOSITORIES

+ add ⌂ refresh ⚙

libgit2/GitForDelphi

libgit2/libgit2

libgit2/libgit2-backends

libgit2/libgit2.github.com

libgit2/libgit2sharp

libgit2/luagit2

libgit2/node-gitteh

libgit2/objective-git

libgit2/php-git

libgit2/pygit2

libgit2/rugged

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 opinionated 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

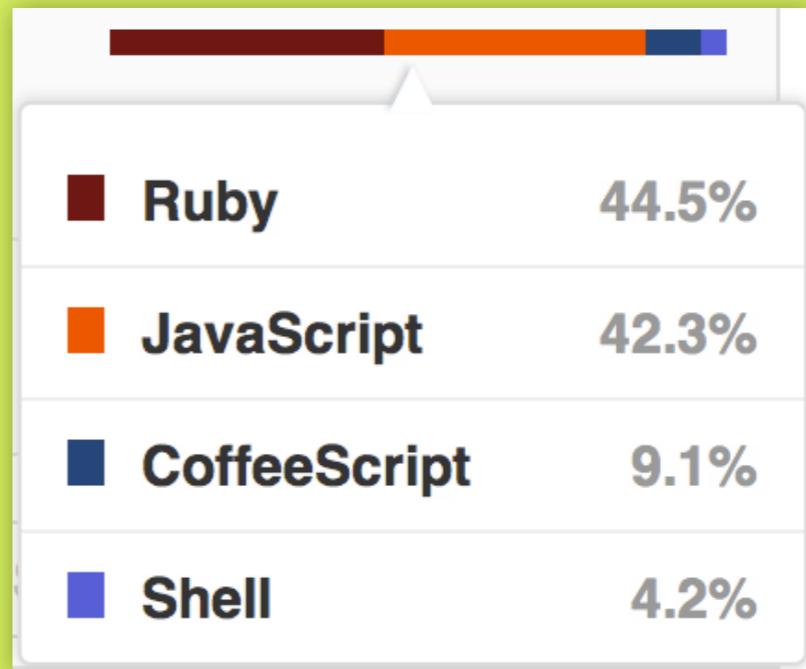
LINGUIST

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>

Embed All Files: [show embed](#)



nrrrdcore (owner)

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)));  
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(to bottom,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">
```

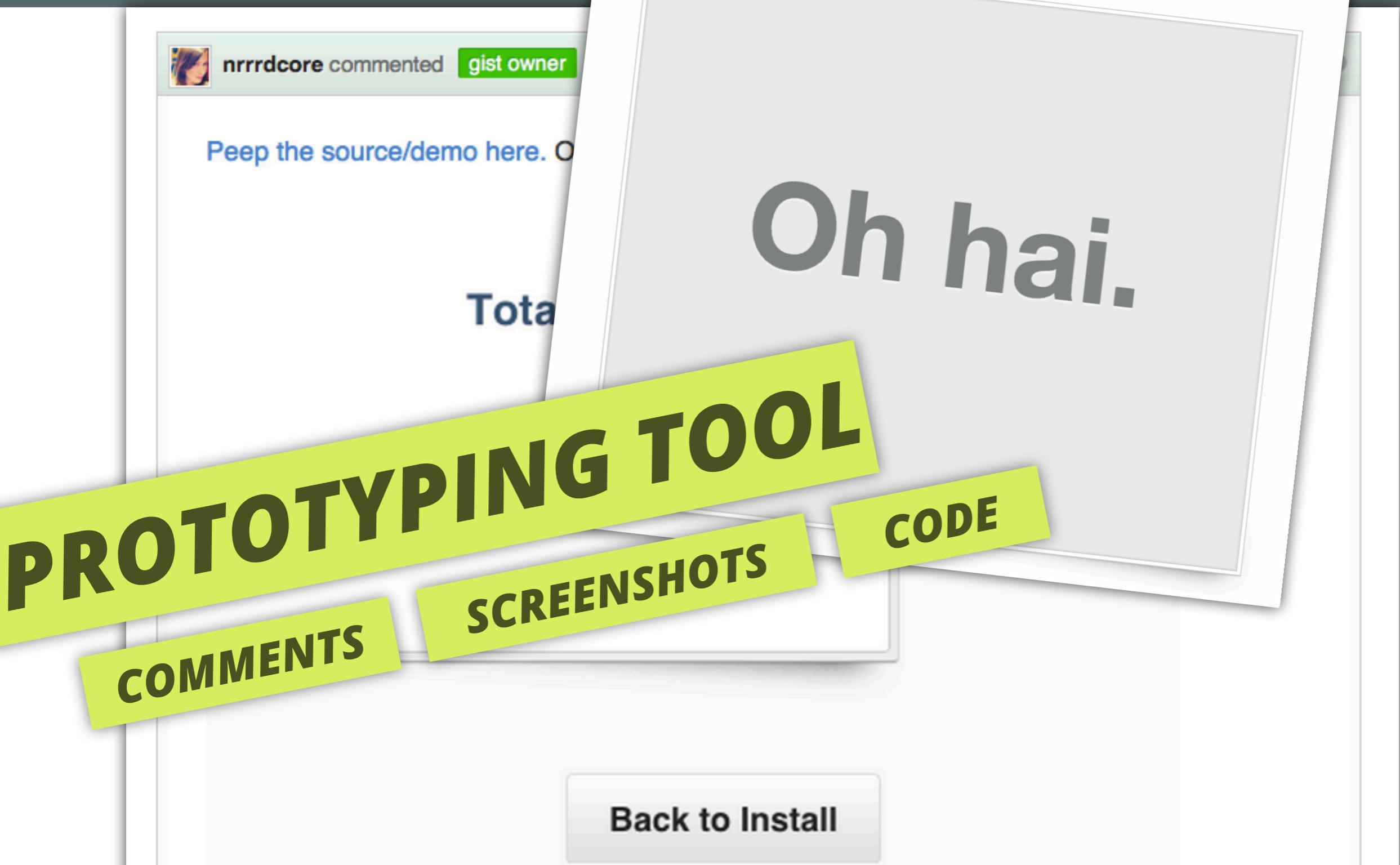
Forks

- [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 RISING GIST



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

jeffkreeftmeijer.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](#)

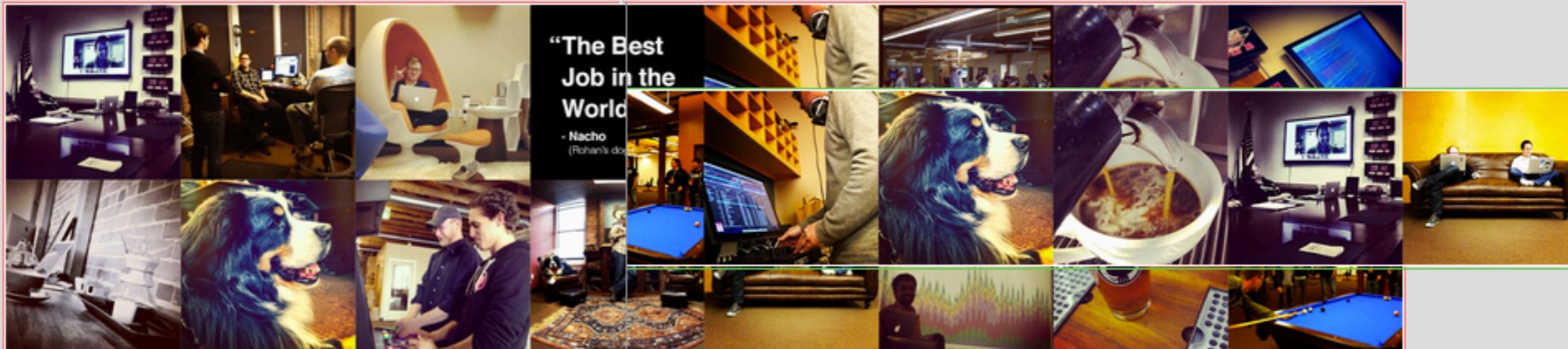


2-up | Swipe | Onion Skin | Difference

SWIPE TO SEE DIFFERENCES

IMAGE VIEW MODES

BIN |  public/images/modules/about_page/jobs_opted.png View file @ 641e3ab



The image shows a collage of various photographs, likely from a company's website or internal page. The images include people working at desks, a person sitting in a futuristic-looking chair, a large blue dog looking up, two people playing pool, and a person sitting on a couch. A central image features text: "The Best Job in the World" and "- Nacho (Rohan's dog)". Below the collage, there are four buttons labeled "2-up", "Swipe", "Onion Skin", and "Difference".

2-up | Swipe | Onion Skin | Difference

SWIPE TO SEE DIFFERENCES

HUB

COMMAND LINE GITHUB

HUB

INSTALL

```
brew install hub
```

HUB

FANCY CLONING

hub clone holman/boom

HUB

MULTI-REMOTE PUSHES

`hub push origin,staging`

HUB

ATTACH A PULL REQUEST TO AN ISSUE

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

HUB

ALIASING FTW

```
alias git=hub
```

HUB

OPEN SOURCE AT:
GITHUB.COM/DEFUNKT/HUB

ERROR PAGES



[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](#)

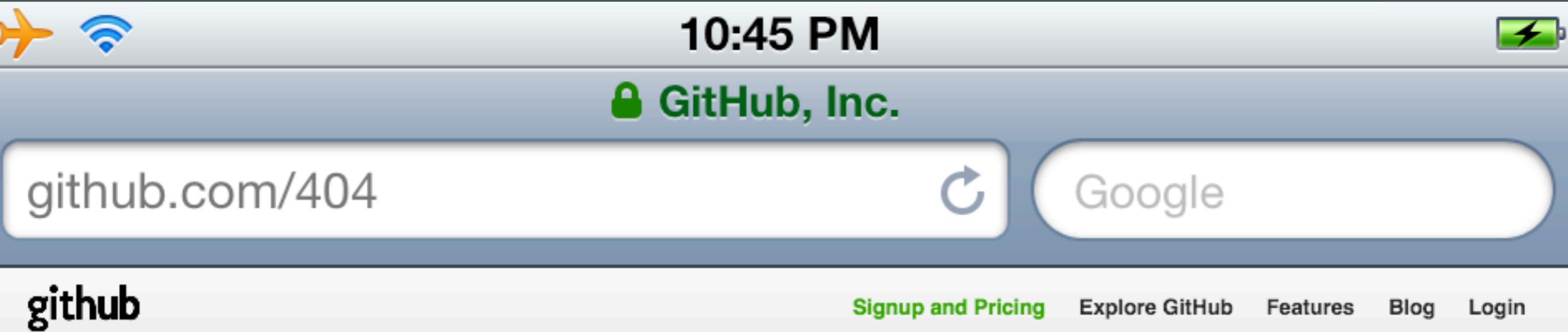
Extras

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

Documentation

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

ACCELEROMETERS!



KEYBOARD SHORTCUTS

t

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](#)

KEYBOARD SHORTCUTS

W

BRANCH SELECTOR

KEYBOARD SHORTCUTS

The screenshot shows a GitHub repository interface with a search bar at the top containing the text "branch: master". Below the search bar are navigation tabs: "Files", "Commits", and "Branches". The "Branches" tab is selected, showing a count of 4. A modal window titled "Switch Branches/Tags" is open, with the input field containing "ma". The modal has two tabs: "Branches" (selected) and "Tags". It lists two branches: "mail-gem" and "master". In the bottom left corner of the main interface, there is a code editor showing the following Rakefile content:

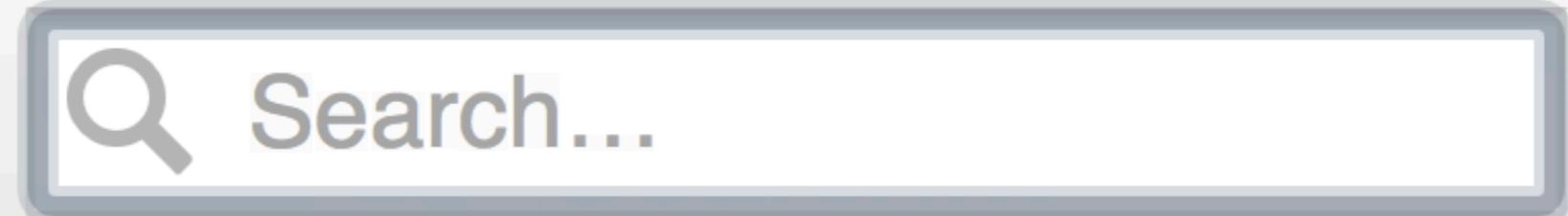
```
1 require 'rake/testtask'  
2 Rake::TestTask.new(:test) do |test|  
3   test.libs = Dir["lib/*"]  
4 end
```

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's causing them. We're 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 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 in diff partial, closes #3870

Closed

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

COMMITS 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

COMMITS 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

The image shows a screenshot of a GitHub interface comparing two branches. On the left, under 'Base branch · tag · commit', a dropdown menu shows 'play/play' selected. Below it is a list of contributors: DavidAntaramian, Dustfield, IanWhalen, Jlawr3nc3, Mattia, VijayJain, aSadhankar, abuisman, adamsheridan, adamstrawson, adrpac, amiuhle, and andreazaupa. A commit card for 'Mattia/play' is highlighted, showing a merge from 'joeyw/add-gh-org-to-bootstrap' with commit hash '8d051e5060668ad91c'. On the right, under 'Head branch · tag · commit', another dropdown shows 'play/play' selected. A commit card for 'holman' is shown, indicating a merge pull request from 'joeyw/add-gh-org-to-bootstrap' with commit hash '7c6a888e6ac79efb8bb2098d051e5060668ad91c'. A button labeled 'Update Commit Range' is visible at the bottom right.

Base branch · tag · commit

✓ play/play @ master

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

...
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

The image shows a screenshot of a GitHub interface comparing two branches: 'Base branch' and 'Head branch'.
Base branch: play/play @ master. It lists several contributors and their commits, with one commit from 'joeyw' highlighted: "from joeyw/add-gh-org-to-bootstrap 8d051e5060668ad91c".
Head branch: play/play @ master. It shows a merge commit from 'holman' that merges pull request #160 from 'joeyw/add-gh-org-to-bootstrap' with the commit hash 7c6a888e6ac79efb8bb2098d051e5060668ad91c.
Buttons: 'Update Commit Range'.

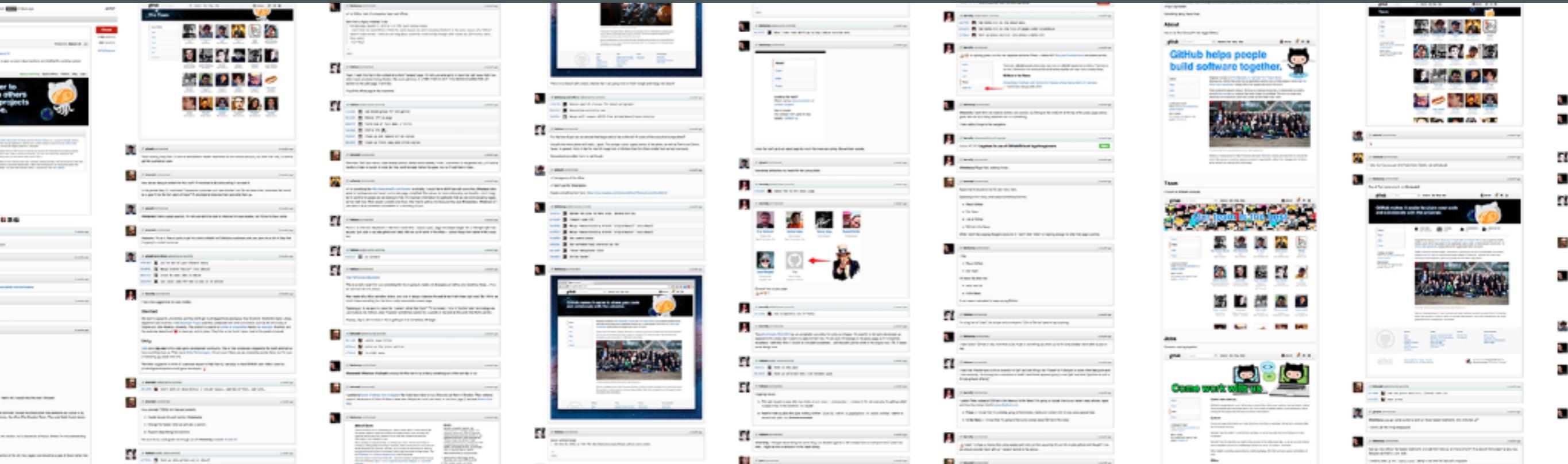
WE ONLY WORK
OFF BRANCHES

PULL REQUESTS BRANCH-TO-BRANCH

The screenshot shows a GitHub interface comparing two branches: 'Base branch' and 'Head branch'.
Base branch: play/play @ master. It lists several contributors and their commits, with one commit from 'joeyw' highlighted: "from joeyw/add-gh-org-to-bootstrap 8d051e5060668ad91c".
Head branch: play/play @ master. It shows a merge commit by 'holman' that includes the pull request from 'joeyw': "Merge pull request #160 from joeyw/add-gh-org-to-bootstrap 7c6a888e6ac79efb8bb2098d051e5060668ad91c".
Buttons: '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



[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

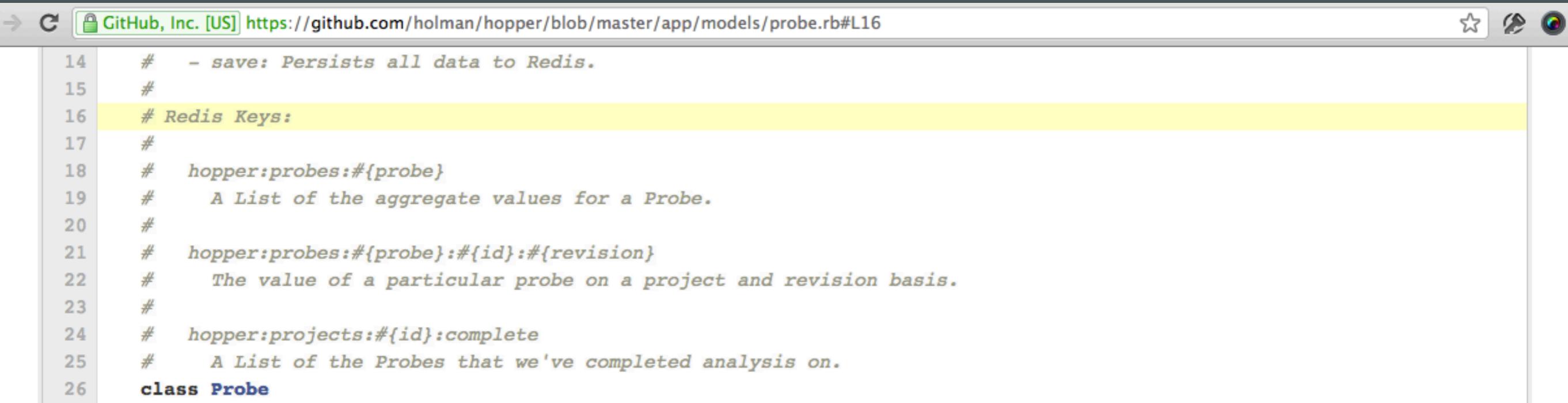


SHIT

:EMOJI:

EMOJI-CHEAT-SHEET.COM

LINE LINKING



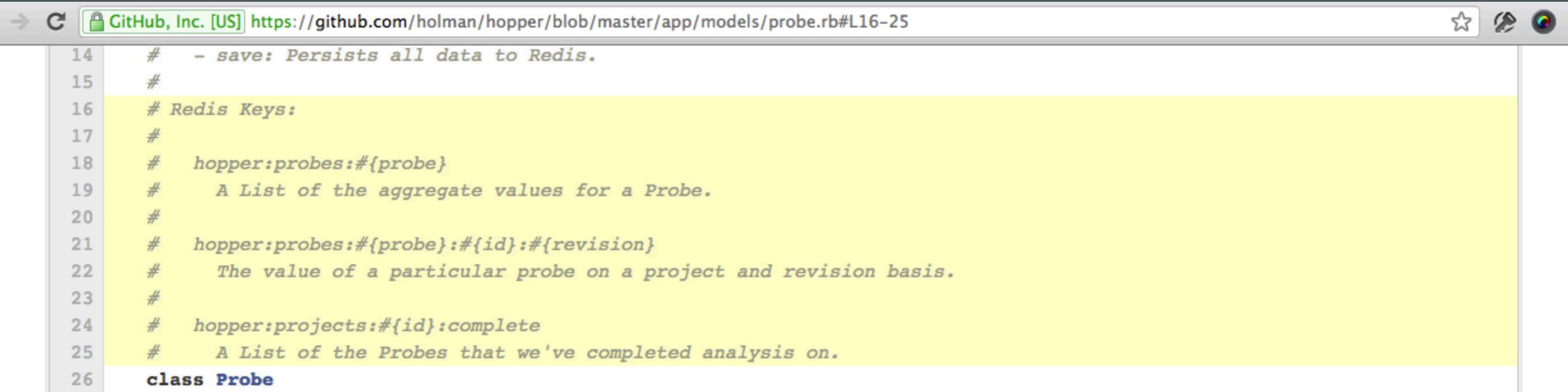
A screenshot of a GitHub code editor window. The URL in the address bar is <https://github.com/holman/hopper/blob/master/app/models/probe.rb#L16>. The code editor shows a Ruby file with line numbers 14 through 26. Line 16, which contains the comment "# Redis Keys:", is highlighted with a yellow background. The browser's status bar at the bottom shows "Line 16 of 26".

```
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 GitHub code editor window. The URL in the address bar is <https://github.com/holman/hopper/blob/master/app/models/probe.rb#L16-25>. The code editor shows a Ruby class definition with several comments. The comments are highlighted with yellow background and blue text, indicating they are part of the current selection or linked range. 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.

| | | | | |
|----------|---|--------------|--|-------------|
| a6bac54 |  | 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.

| | | | | |
|----------|---|--------------|--|-------------|
| a6bac54 |  | joeyw | Fix session bug and lack of 403 handling. Closes #154. | 14 days ago |
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| 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.

| | | | | |
|----------|---|--------------|--|-------------|
| a6bac45 |  | 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.

| | | | | |
|----------|---|--------------|--|-------------|
| a6bac45 |  | 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.

| | | | | |
|----------|---|--------------|--|-------------|
| a6bac45 |  | 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

COMMITs IN A THAT AREN'T IN B

```
› git log branchA ^branchB
```

FINDING LOST COMMITS

```
> git fsck --lost-found
```

```
dangling blob 517b8fc32153761aadc15a96947911938f809a28
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

ZACH HOLMAN
ZACHHOLMAN.COM/TALKS

@HOLMAN