GitHub secrets



git branch -D local-branch git push origin :local-branch

Much like James Cameron's AvatarTM, Git doesn't make any goddamn sense

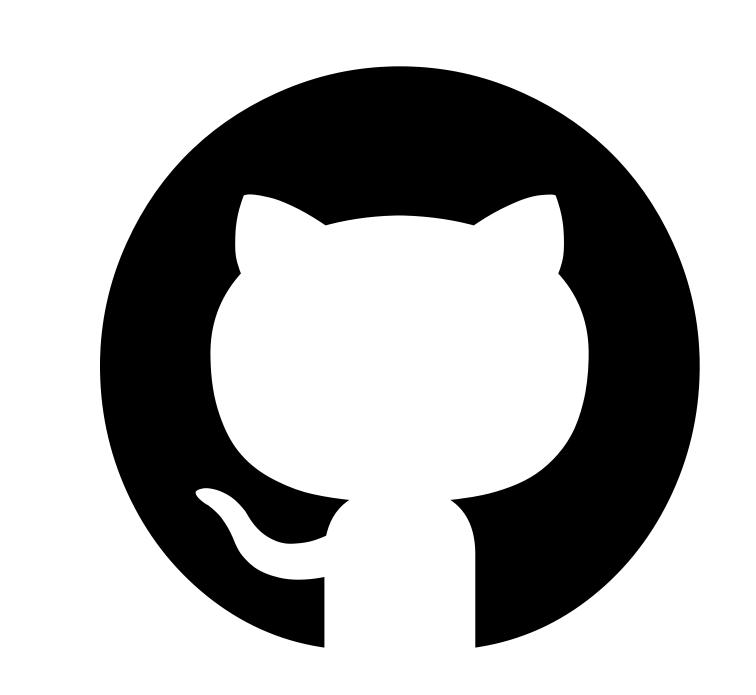
This talk throws a ton of stuff at you

This talk throws a ton of stuff at you

(Not unlike **James Cameron's Avatar**[™], btw)

Learn the bits that make **you** more productive





secrets

strategy defaults:

one head: recursive multiple heads: octopus

git merge master -s strategy

git merge master -s ours

git merge master -s ours

"Give me master, but my final state should match my current branch"

git merge master -s ours

Great for when your long-running branch will supersede master

git merge master \

-s recursive

git merge master \
-s recursive -X patience

Better line matching for logical groups

```
{
     :a => :b
}
```

```
:a => :b
:c => :d
```

```
:a => :b
+ :c => :d
```

```
:a => :b
+ :c => :d
```

git merge master \
-s recursive -X patience

Can also set as a global option

- man git-merge
- # look at "Merge Strategies"

Tom Moertel

(cl.ly/QNaG)

Goal: transform strings with a regex in project

Approach: re-run git diff and git reset until the regex is correct

Problem: it sucks to review the diff each time

Solution: stash, then diff against stash{0}

- > git status
- # clean

> ./run-regex-script

> git diff

review and check output

- dit stash
- # stash your reviewed diff

> ./run-regex-script

> git diff stash{0}
only incremental changes

the second-order-diff trick

Find and replace in projects without **worrying**

Yeah this is important

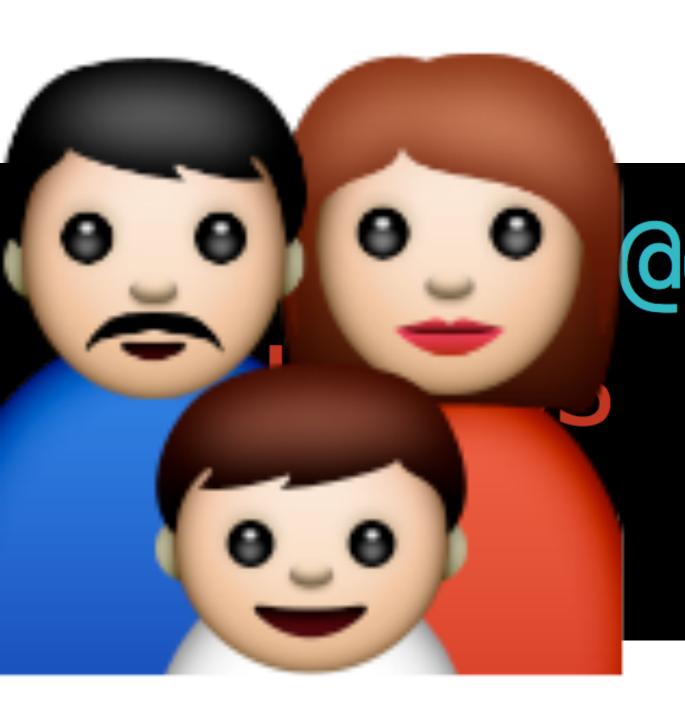
Git diffs unicode poorly:

@@ -1 +1 @@
-MINDLESS COUPLE ABOUT TO BEHEAD CHILD
+<U+1F46A>

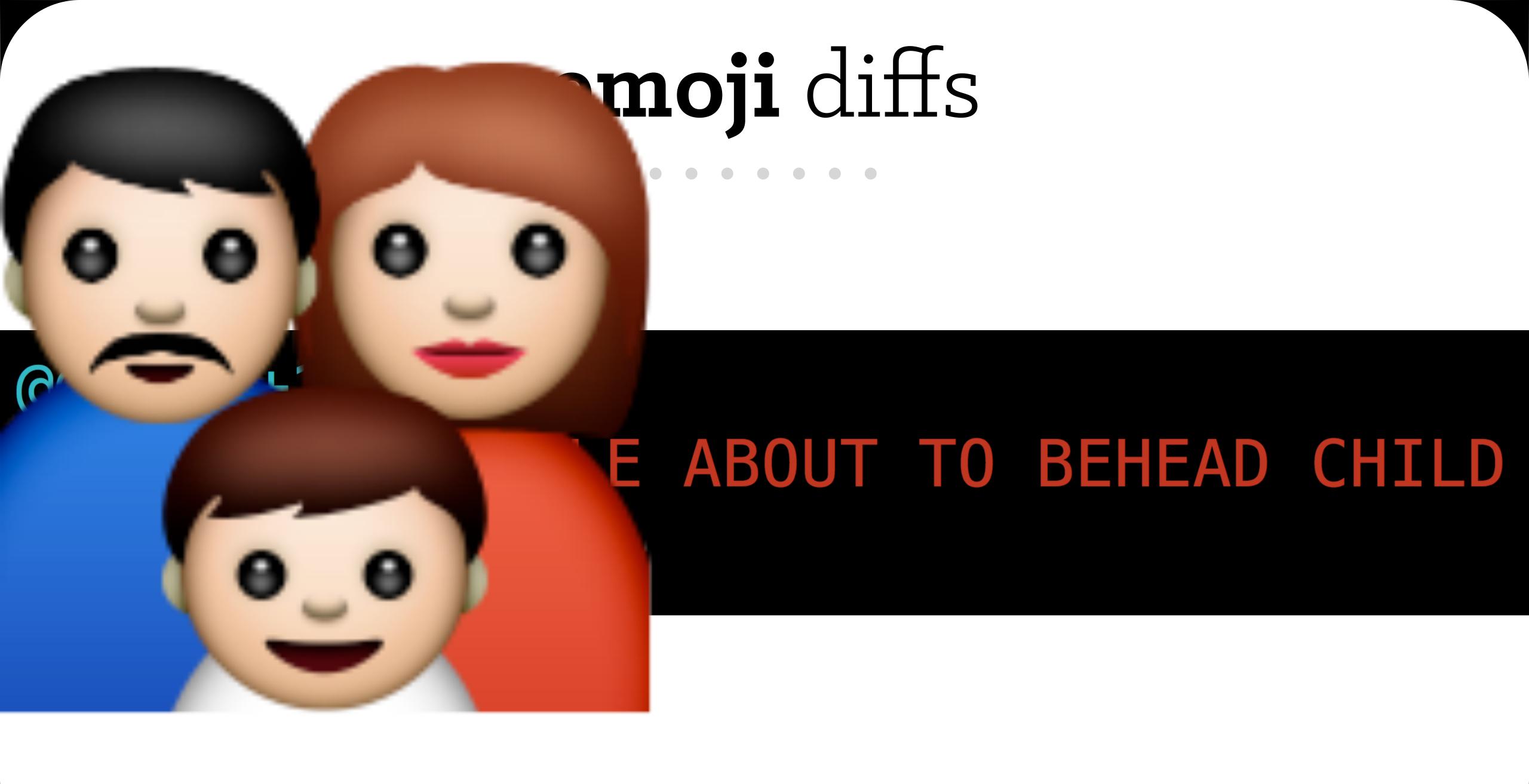
Git uses **less** as its pager

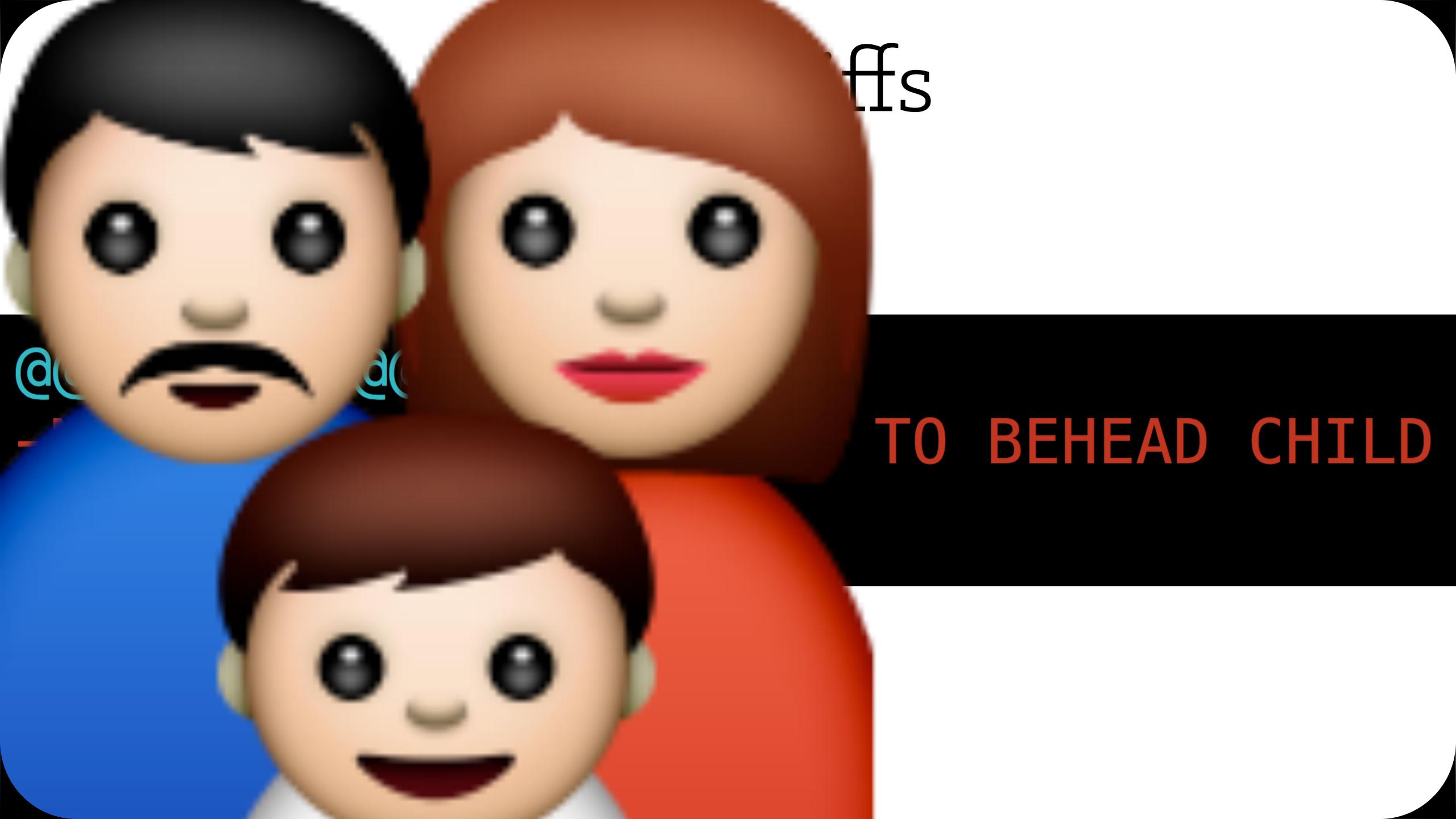
git --no-pager diff

@@ -1 +1 @@
-MINDLESS COUPLE ABOUT TO BEHEAD CHILD



COUPLE ABOUT TO BEHEAD CHILD





Fixes horrible coworkers and contributors

Strips trailing whitespace, collapses newlines, adds a final newline

git stripspace < file

echo "hi \n" | git stripspace

Run this in **your editor** after file saves

Fixes horrible you.

run.sh:1: trailing whitespace. +echo "hi"

run.sh:1: space before tab in indent. + ls -la

git diff --cached

git diff --cached

git diff only diffs unstaged changes

git diff --cached

Shows staged (but uncommitted) changes

HOI, HOI,

Which of these commit messages actually happened on GitHub?

1. A reasoned argument, citing sources

2. A 500MB db dump

A reasoned argument, citing sources

2. A 500MB db dump

"Why is my repository slow?"

git merge --abort

git merge --abort

Aborts a conflicted merge

git merge --abort

Resets your tree

git merge -m "message"

git merge -m

Like **commit -m** but populates the merge commit

git merge --no-commit

git merge --no-commit

Merges without a commit message

git status --ignored

git status --ignored

Shows the status of everything you're ignoring

Temporarily ignore a file

git update-index \
--assume-unchanged \
path_to_file

git update-index \
--no-assume-unchanged \
path_to_file

Linus has thoughts on your commit messages

git commit -m "fixes shit"

git commit -m "fixes shit" is not what he had in mind

A good commit has:

Short summary (title)

Short summary (title)

< 50c

< 50C

Short summary (title)

A longer description of the change follows.

Short summary (title)

< 50C

A longer description of the change follows.

wrap at 72c

```
yay a commit message look at how cool i am with my commit message let me talk a bunch because i think i deserve it
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
# On branch v3
# You are currently editing a commit while rebasing branch 'master' on '4628474'.
# (use "git commit --amend" to amend the current commit)
# (use "git rebase --continue" once you are satisfied with your changes)
#
# Changes to be committed:
# (use "git reset HEAD <file>..." to unstage)
```

git-commit **helps you** write perfect messages

• • • • • • •

```
Just keep typing until you notice your text changes colors
```

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# On branch v3
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```

50C

```
Just keep typing until you notice your text changes colors
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Just keep typing until you notice your text changes colors

From this point on you can type a normal description and, lo and beho'it's going to word wrap you just the way you like it. See? Doesn't the make you feel all warm and fuzzy and shit inside of your body?

```
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# On branch v3
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# (use "git commit --amend" to amend the current commit)
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```

wraps at 72c

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```

Assumes your \$EDITOR is **vim**

export EDITOR=vim

Assumes you have syntax highlighting on

syntax on



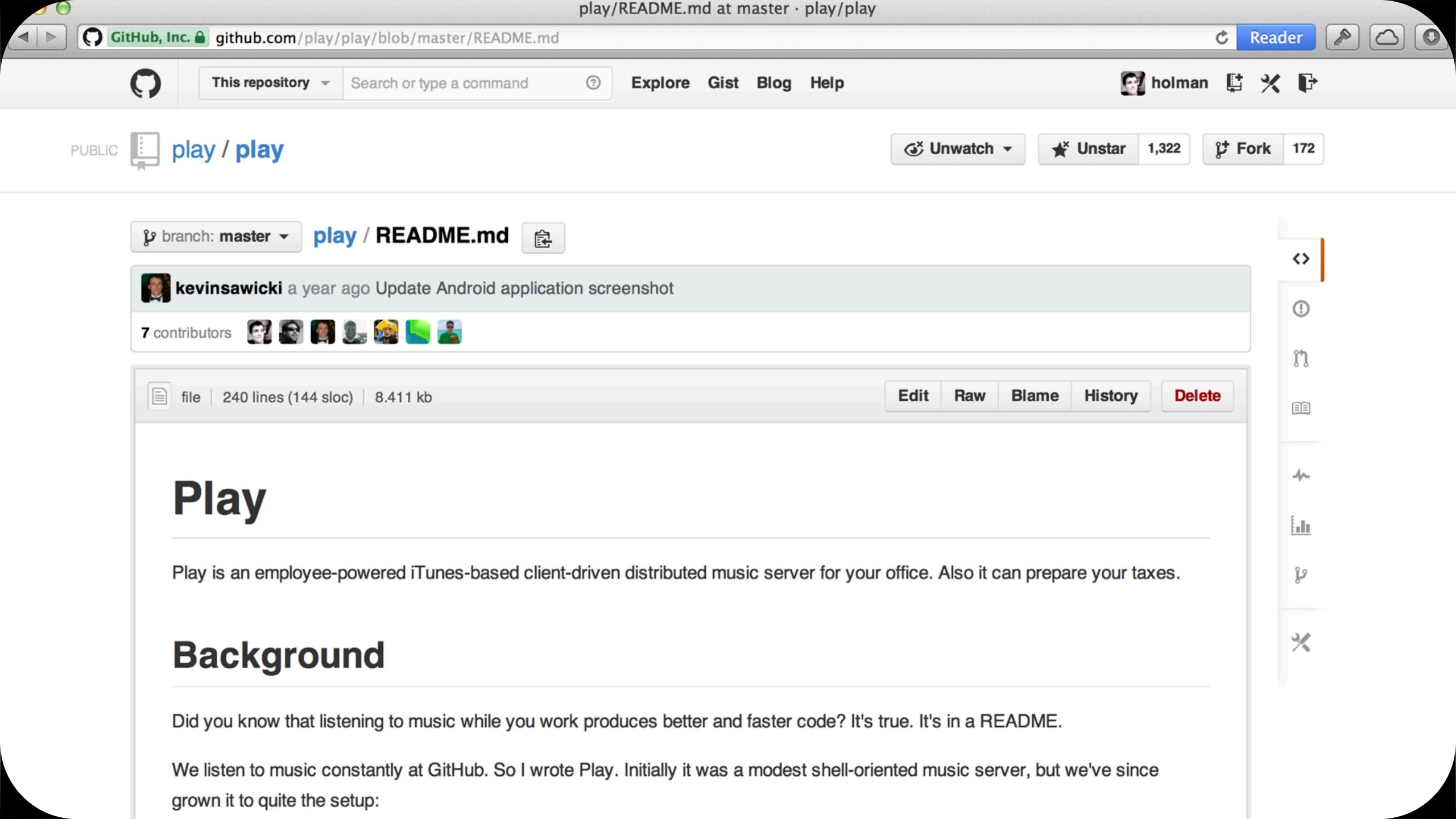
Assumes you have plugin indenting on

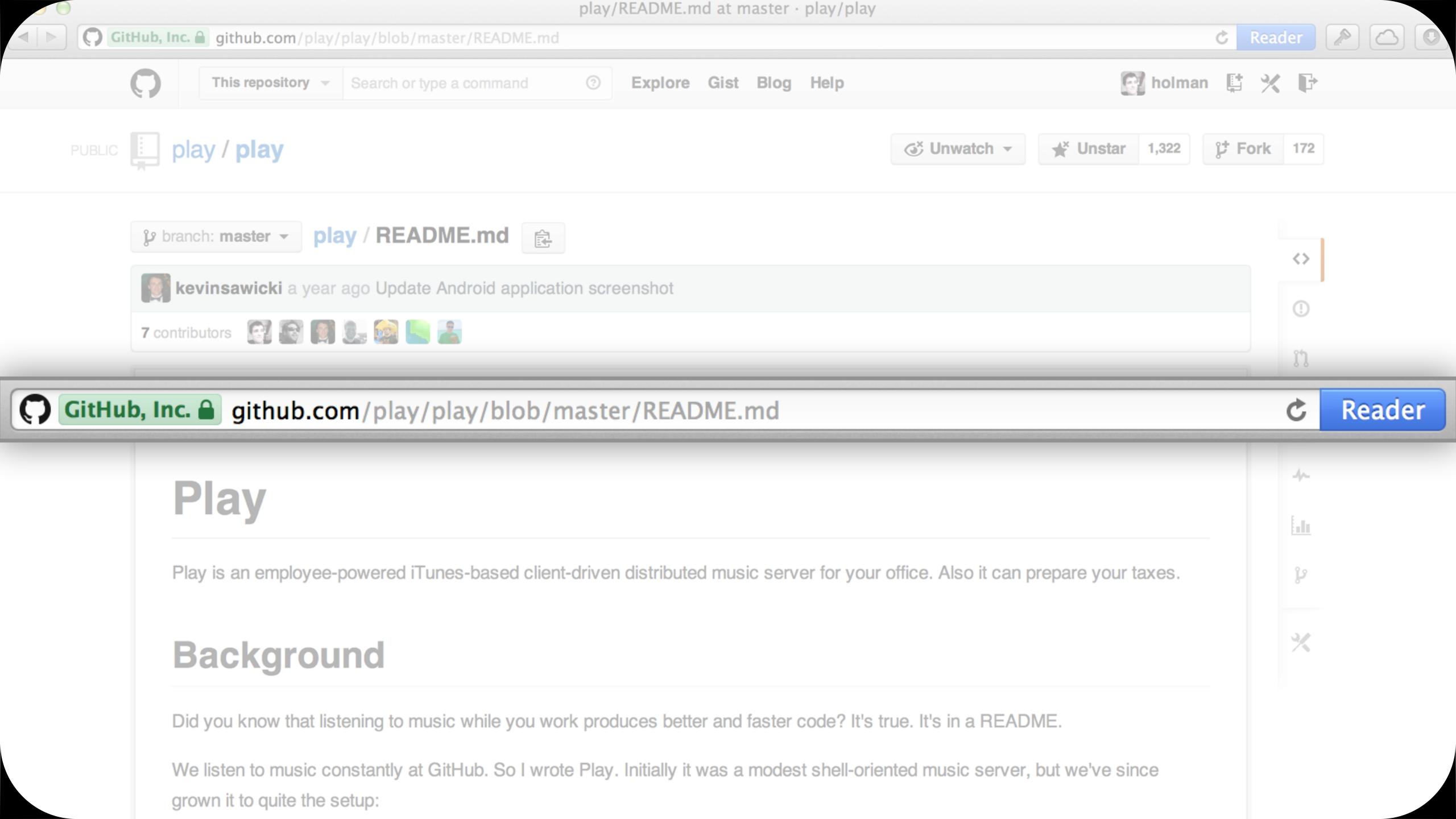
filetype indent plugin on



GitHub secrets

canonical URLs









This page won't change, even if the branch does

curlable public keys

https://Cholman.keys



Plaintext,
non-authed
access to public keys



Programmatically add SSH keys

Accepting a Pull Request: Add a remote, fetch branch, merge

Lots of boring commands

GitHub stores all Pull Requests in your repository

This means we can track code even if the **fork is deleted**

You can abuse this, too!

git fetch origin pull/id/head:name

git fetch origin pull/12/head:pr

git fetch origin pull/12/head:pr fetches Pull Request #12 into a branch named "pr"

Automate this within helper scripts or an alias

live updates

holman	Make sure errors get cleared	✓ 6199391
holman	Remove scaffolded css	f199c60
Hollian	Hook up Juvuscript uguin	euzcuse

holman	Make sure errors get cleared	6199391
holman	Remove scaffolded css	f199c60
Hollitali	Hook up Juvuscript uguin	euzcuse

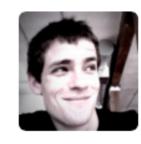






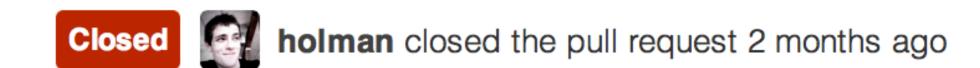
















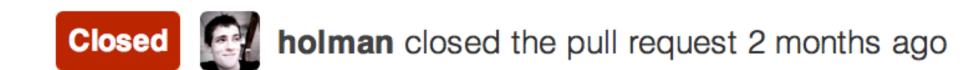
















HOI, HOI,

Most frequent Emoji used on GitHub:









:sparkles:



Markdown uses for blockquotes





1 participant



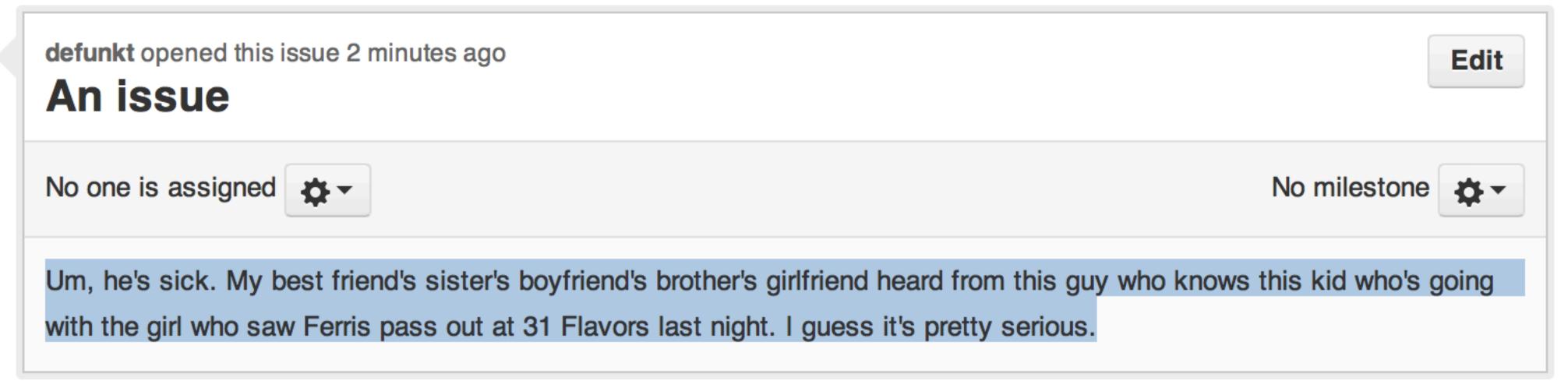


Write Preview Comments are parsed with GitHub Flavored Markdown

> Um, he's sick. My best friend's sister's boyfriend's brother's girlfriend heard from this guy who knows this kid who's going with the girl who saw Ferris pass out at 31 Flavors last night. I guess it's pretty serious.

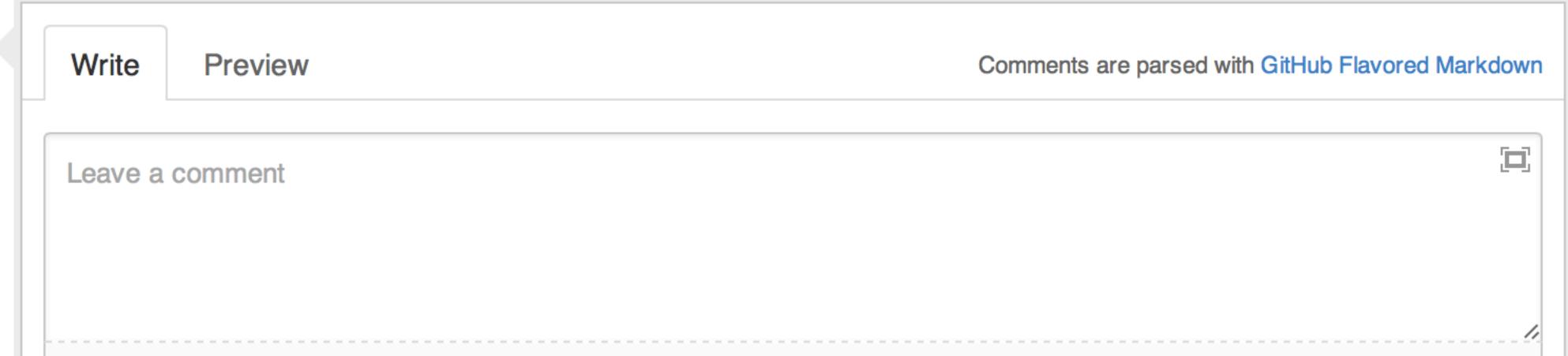
Highlight and press





1 participant









1 participant



Write Preview Comments are parsed with GitHub Flavored Markdown

> Um, he's sick. My best friend's sister's boyfriend's brother's girlfriend heard from this guy who knows this kid who's going with the girl who saw Ferris pass out at 31 Flavors last night. I guess it's pretty serious.

browse stars

http:// (7) / stars / brianmario









brianmario (Brian Lopez) / starred



All Stars	709	Search starred repositories	Sort: Recently starred ▼
Your repositories	0		
Others' repositories	709	charliesome/racer Starred a year ago A high performance Ruby web server	★ Star
Filter by languages	413	mruby/mruby Starred a year ago Lightweight Ruby	★ Star
C	⊗		
JavaScript	96	neelance/ffi-gen Starred a year ago A generator for Buby FEI bindings, directly from header files via LLVM's Clang com	★ Star
C++	17	A generator for Ruby FFI bindings, directly from header files via LLVM's Clang com	plier
Objective-C	12	• ohler55/oj Starred a year ago	★ Star
Python	10	Onler55/0] Starred a year ago Optimized JSON	
C#	9		
Erlang	7	fdr/redrat Starred 2 years ago Ruby and Python speak C.	★ Star
PHP	5	Truby and Fythori Speak C.	
Java	5	methodmissing/jio Starred 2 years ago iio - transactional, journaled file I/O for Buby	★ Star
CoffeeScript	4	jio - transactional, journaled file I/O for Ruby	
Shell	3		
Go	2	vmg/houdini Starred 2 years ago The Escapist	★ Star
Scala	2	The Escapist	

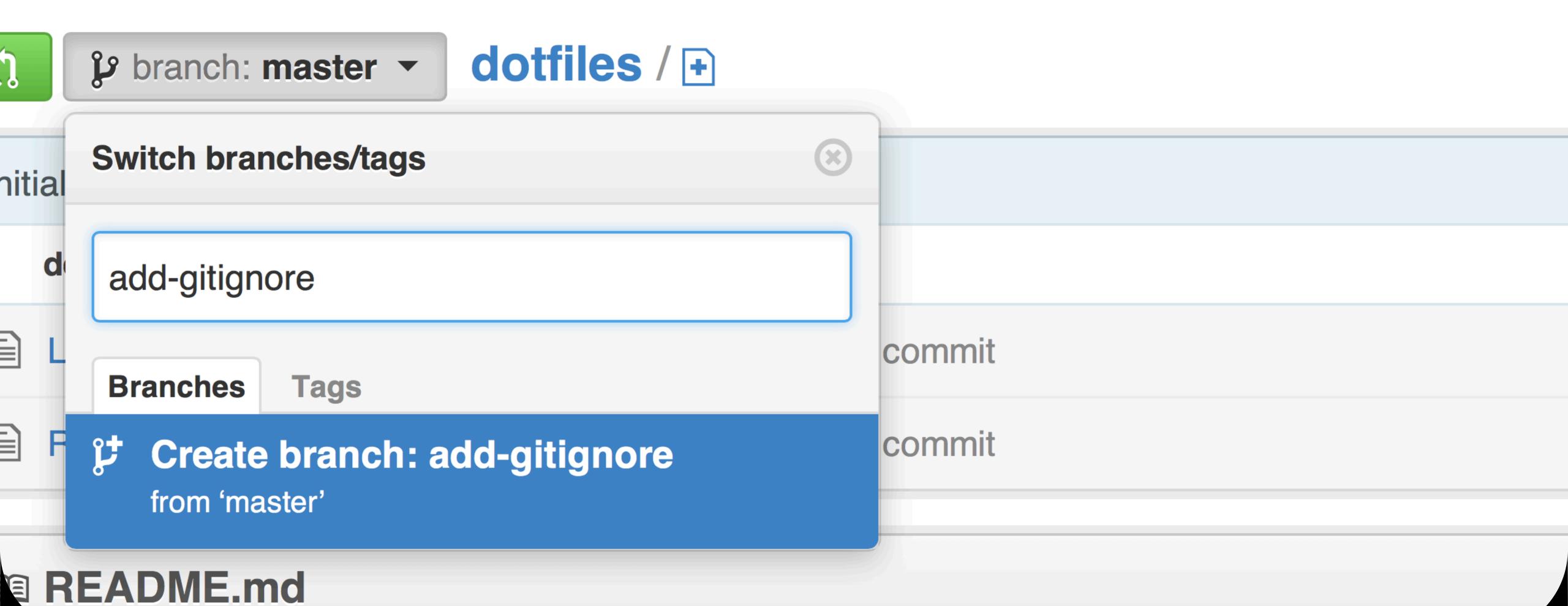
webflow

web flow

You can do a lot without leaving the **browser**

web flow

Documentation, prose, quick fixes, switching away from nosql





branch: add-gitignore ▼ dotfiles / ★ Create a new file here

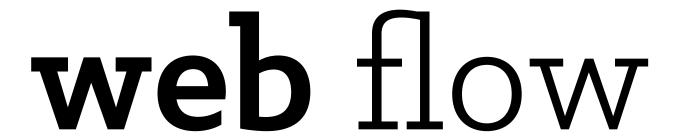
dotfiles / Want to use a .gitignore template? Choose .gitignore: Ruby -.gitignore or cancel **♦** No wrap *.gem *.rbc .bundle .config coverage InstalledFiles lib/bundler/man pkg rdoc spec/reports test/tmp test/version_tmp tmp 14 # YARD artifacts 15 .yardoc _yardoc

doc/

Your recently pushed branches:

្រៀ Compare & pull request

add-gitignore (less than a minute ago)



You can add more commits to this pull request by pushing to the add-gitignore branch on defunkt/dotfiles



This pull request can be automatically merged.

You can also merge branches on the command line.

№ Merge pull request



Pull request successfully merged and closed

You're all set—the add-gitignore branch can be safely deleted.



Frees you from git clone

issue autocomplete

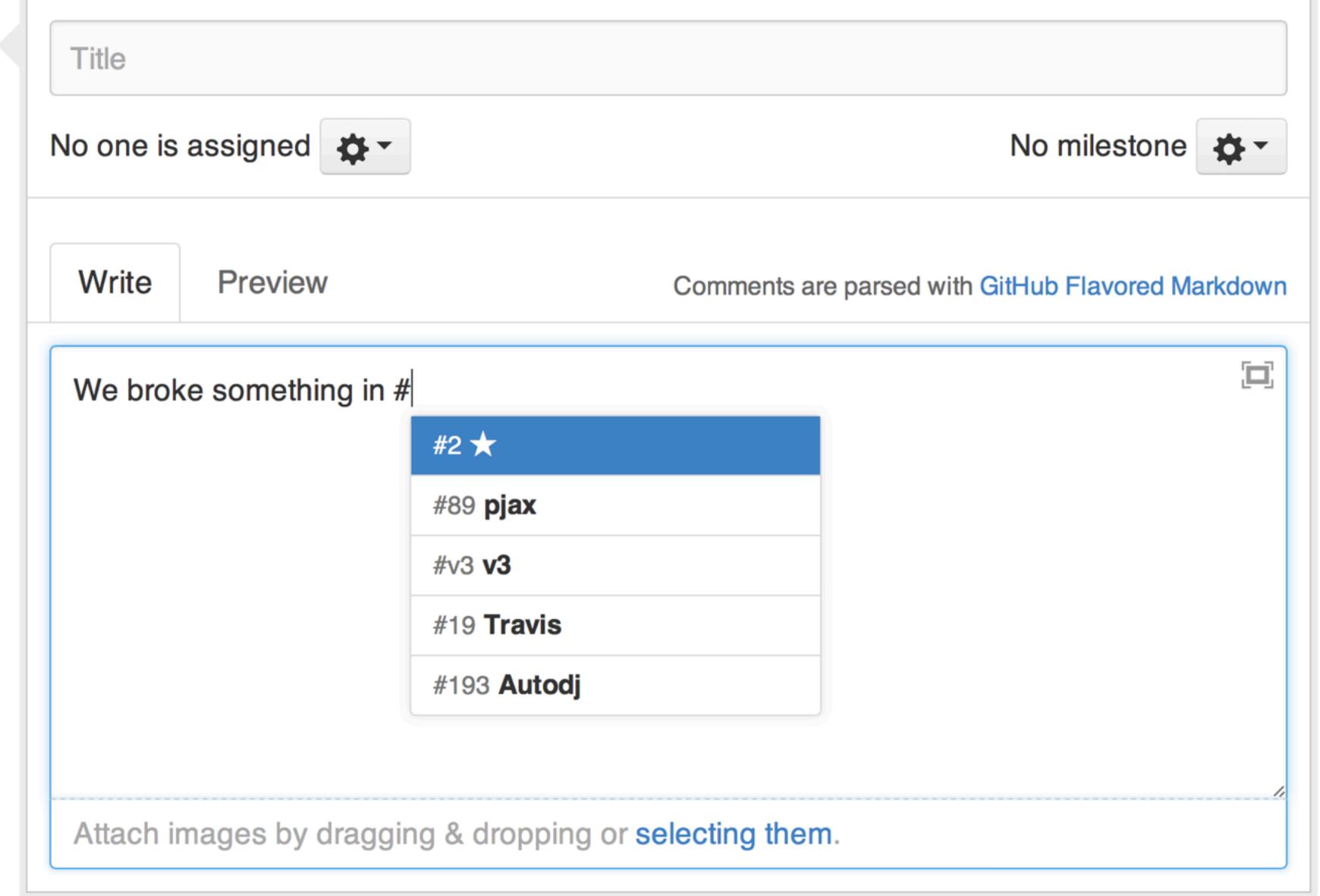
issue autocomplete

Type , get a search

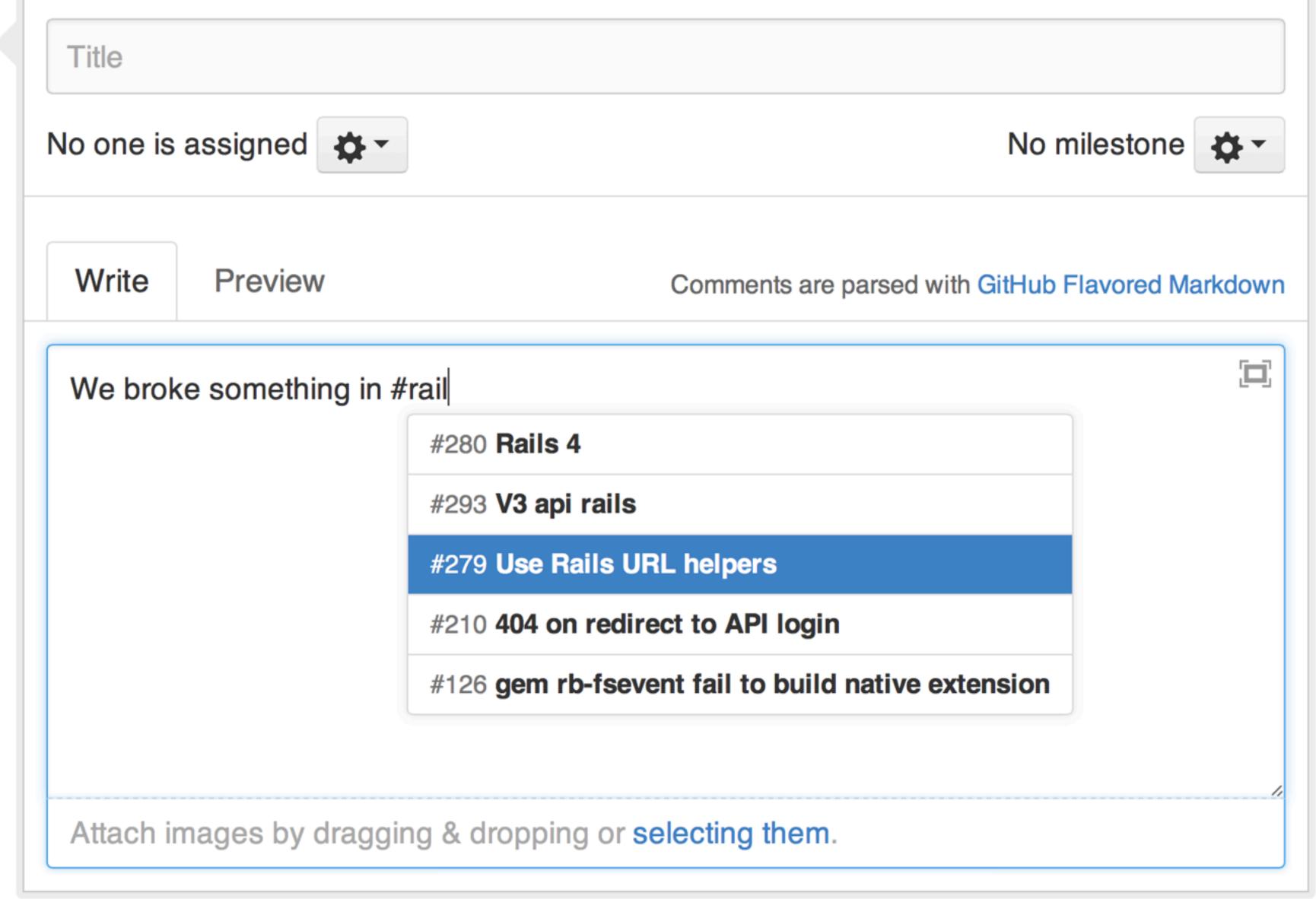


o one is	assigned	No milestone 🚓
Write	Preview	Comments are parsed with GitHub Flavored Markdo
		T
We brok	e something in	
We brok	e something in	
We brok	e something in	
We brok	e something in	











o one is	assigned	No milestone 🚓
Write	Preview	Comments are parsed with GitHub Flavored Markdov
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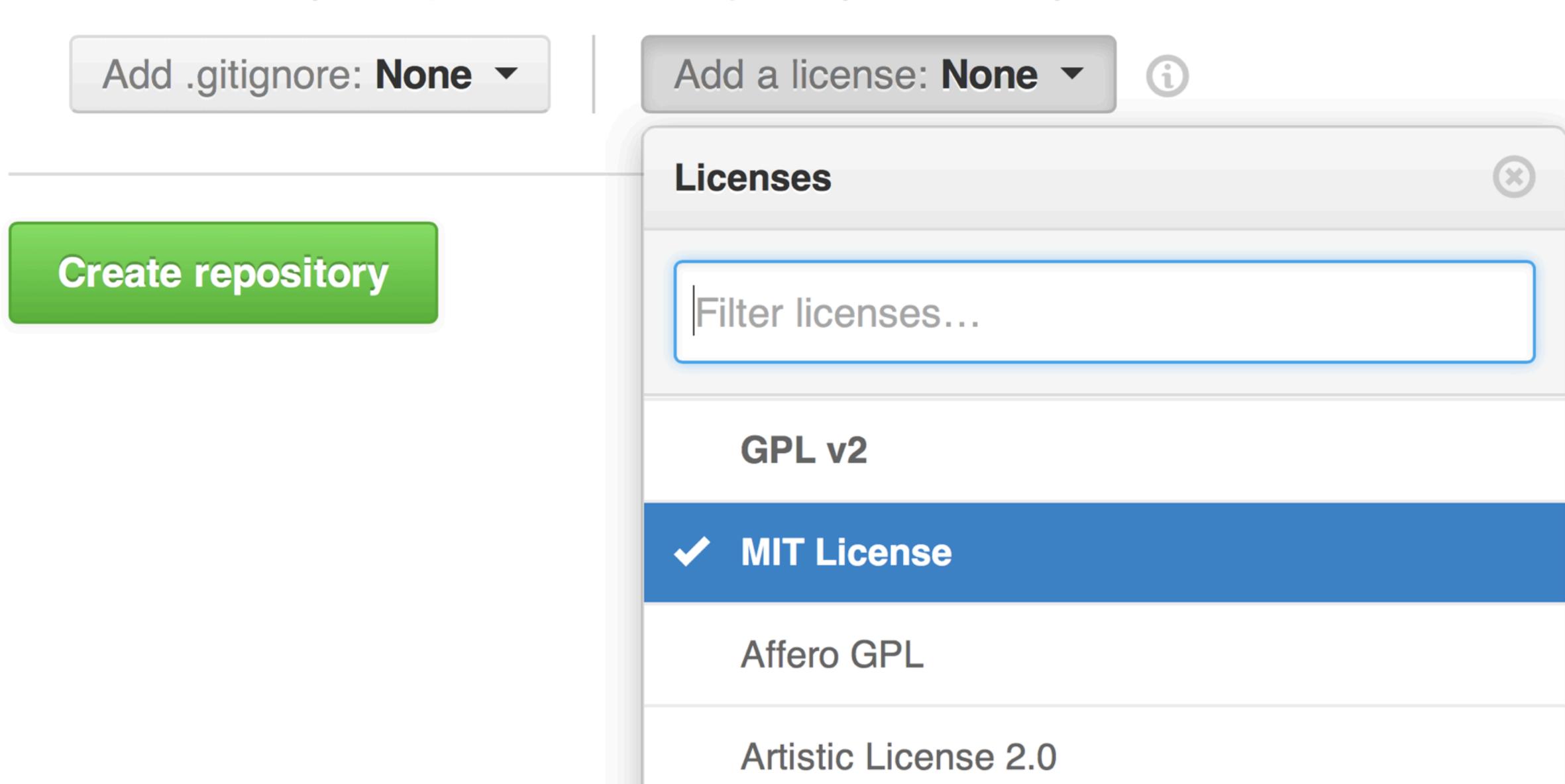
repo redirects

repo redirects

Rename your repository and GitHub will redirect old URLs

Initialize this repository with a README

This will allow you to git clone the repository immediately.



You can add licenses to **existing repos**, too

dotjs / Name your file... or cancel No wrap

Want to use a template? Choose a license: None dotjs / LICENSE or cancel License Filter licenses... **Apache v2 License** GPL v2 **✓** MIT License Affero GPL Artistic License 2.0 BSD (3-Clause) License BSD 2-Clause license Eclipse Public License v1.0 GPL v3

(also works for .gitignore)

file finder

file finder

Type 11, find in project

file finder

boom / .md

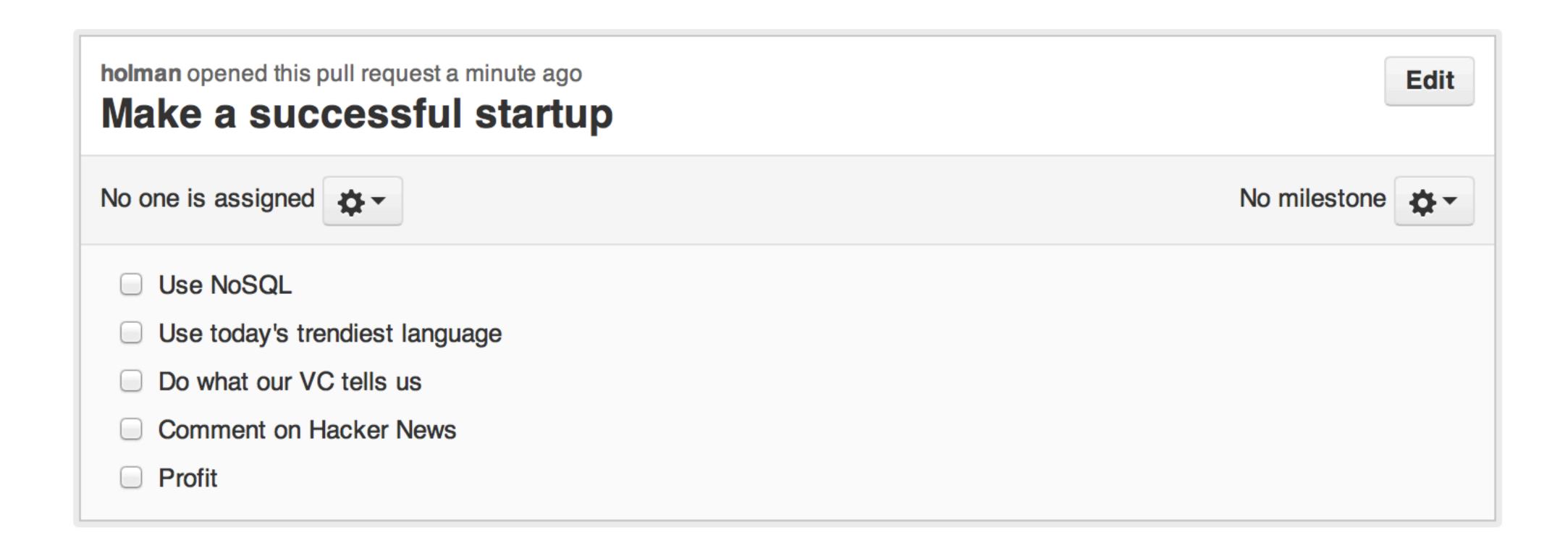
Breadme.md

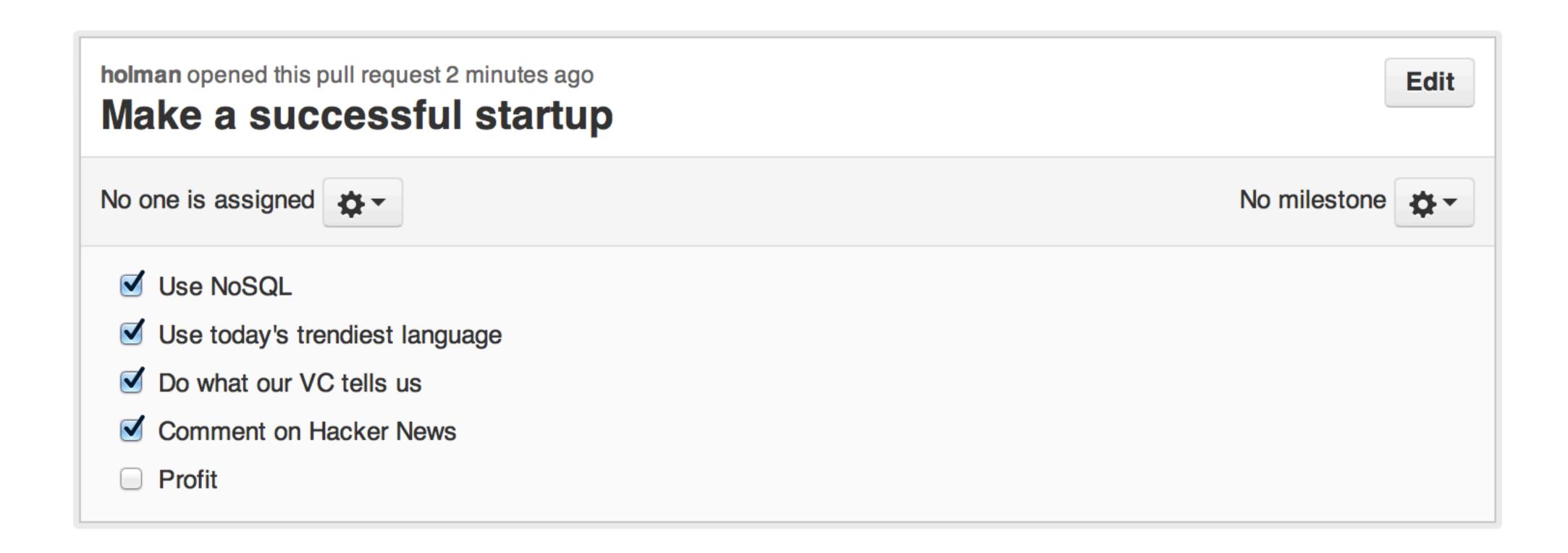
CHANGELOG.md

Completion/README.md

Use issues and pulls as todo lists

- [] Use NoSQL
- [] Use today's trendiest language
- [] Do what our VC tells us
- [] Comment on Hacker News
- [] Profit





- [x] Use NoSQL
- [x] Use today's trendiest language
- [x] Do what our VC tells us
- [x] Comment on Hacker News
- [] Profit

Open

Closed

Sort: Newest





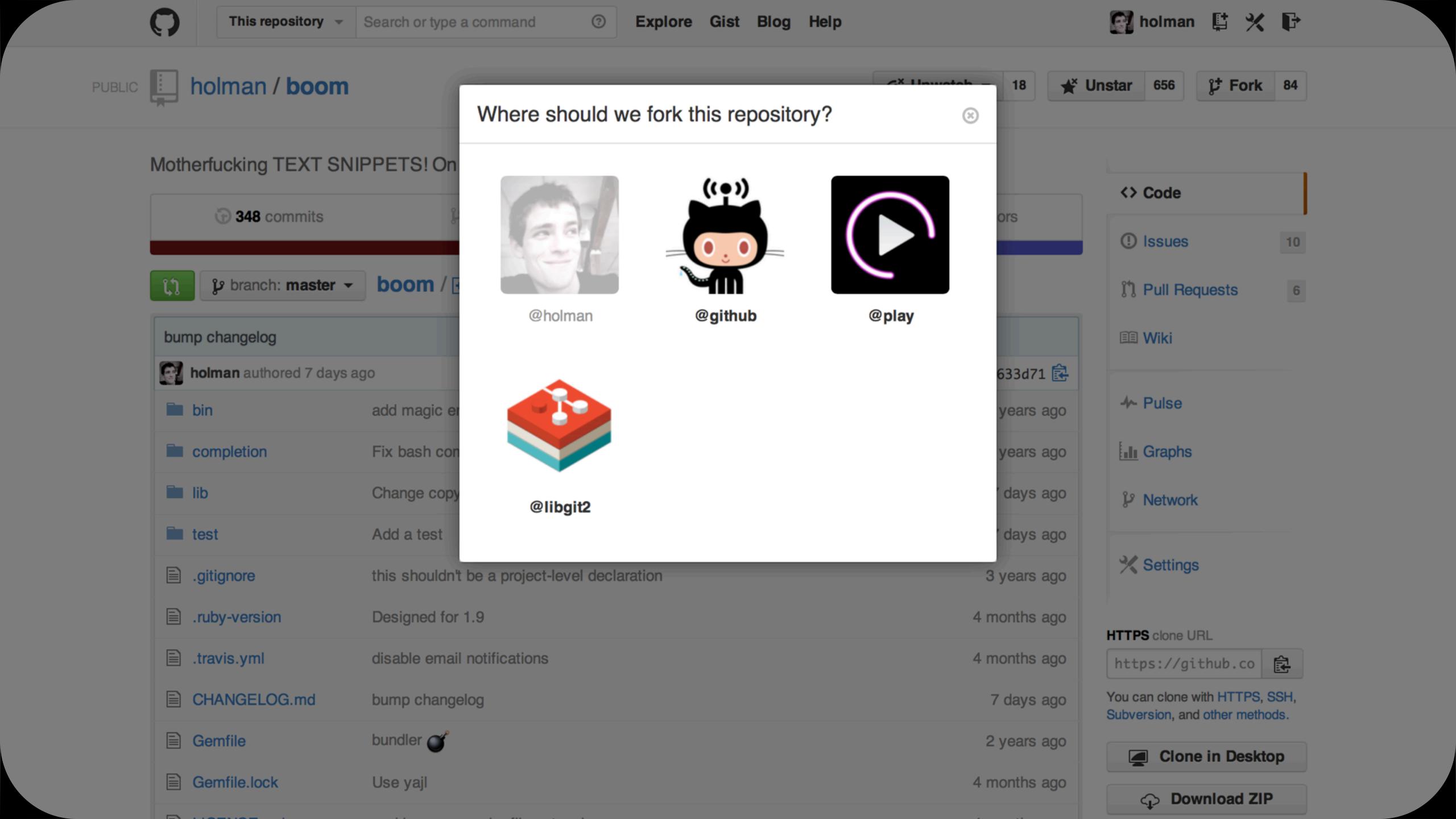
Make a successful startup

5 tasks (4 completed, 1 remaining)

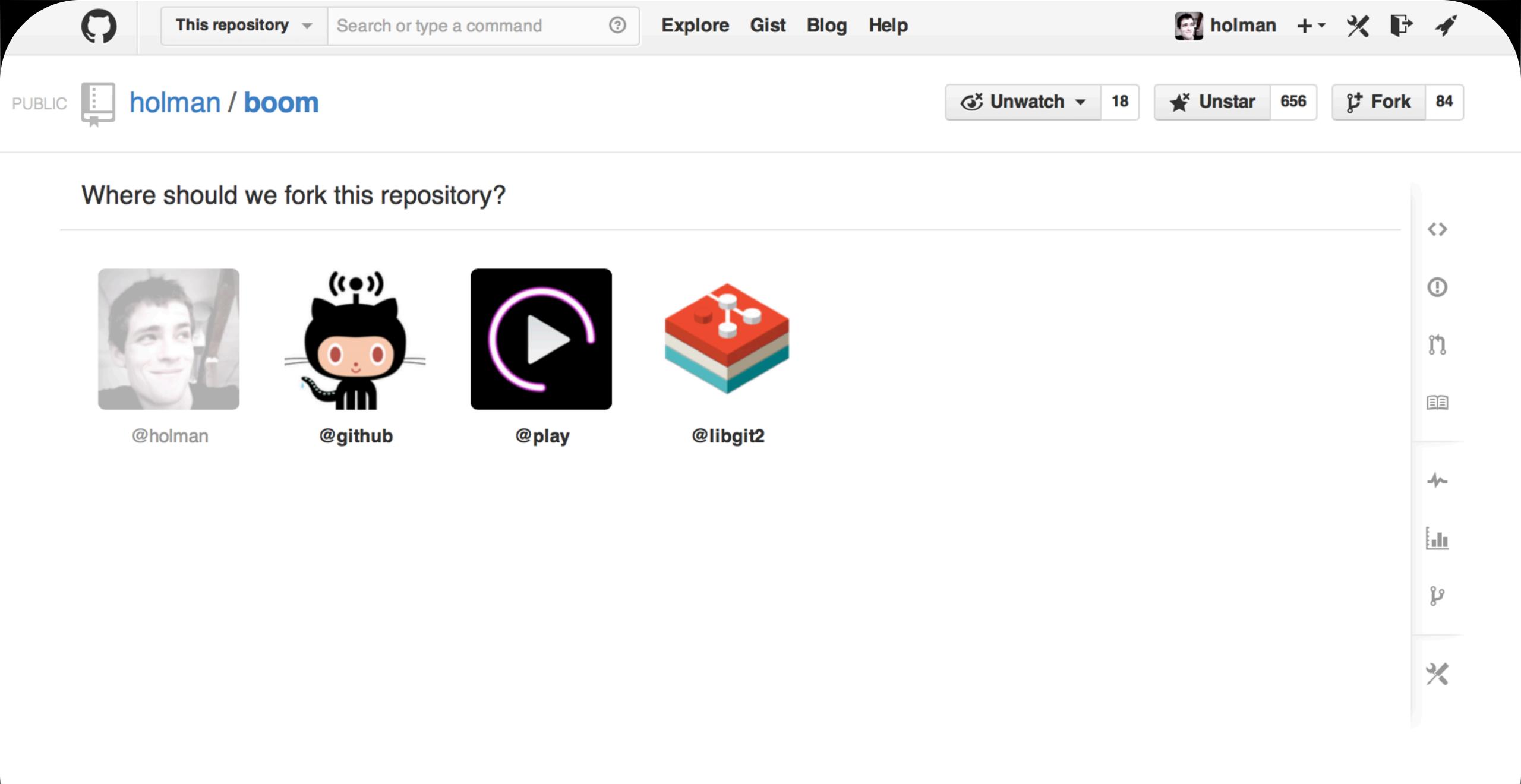
by holman 7 minutes ago phaha-business!



Fork 84



https:// 17 / user / repo / fork



READIME links

what's inside

A lot of stuff. Seriously, a lot of stuff. Check them out in the file browser above and see what components may mesh up with you. Fork it, remove what you don't use, and build on what you do use.

Remember:

Git is probably terrible

But it's also neato

Thanks.