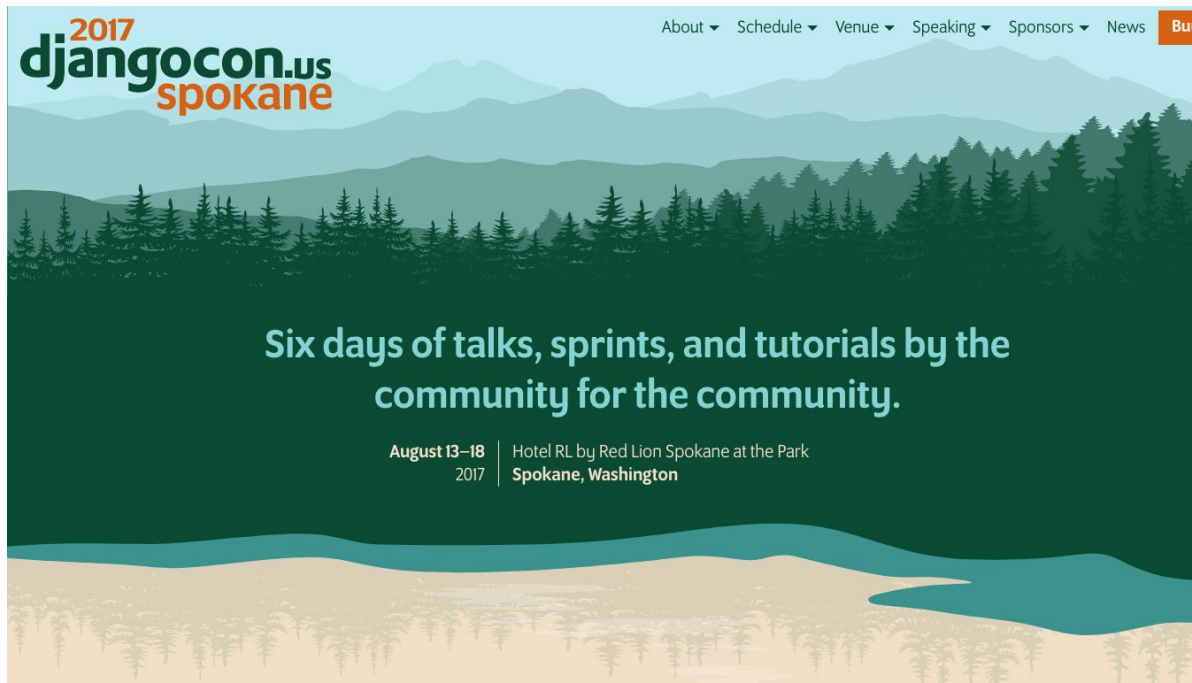


Get a Jumpstart on Collaboration and Code Review in GitHub

By Katherine “Kati” Michel



Welcome!

Goal

I want to teach you a process that will get you started collaborating and doing code review as quickly as possible

Announcing TacoFancy!



dan sinker @dansinker · 3 Nov 2013



Announcing tacofancy, a github repo for community-driven taco amazingness:



sinker/tacofancy

community-driven taco repo. stars stars stars.
Contribute to tacofancy development by creating an
account on GitHub.

github.com



16



19










The One Sentence That Motivated Me to Start Using GitHub






Are You New to Github But Want to Contribute?

No better time than the present to learn Git! Thankfully, this repo is pretty simple. Github makes some amazing [guides](#) that are a great starting point. Specifically, I'd recommend you start with the [Understanding the Github Workflow](#) guide, which is an awesome top-level explanation of how all this works. From there, pretty much everything you'd want to know to contribute to Tacofancy is contained in Github's very handy [Forking Projects guide](#) section. Beyond that, their [help section](#) is crazy helpful.


My First Pull Request


 This repository Search Pull requests Issues Marketplace Gist  + 





 [sinker / tacofancy](#)  Watch 84  Star 1,047  Fork 373





 Code  Issues 6  Pull requests 11  Projects 0  Wiki Insights

Pull request to add salsa-sauce to tacofancy condiments #44



 Merged sinker merged 1 commit into `sinker:master` from `KatherineMichel:master` on Nov 3, 2013

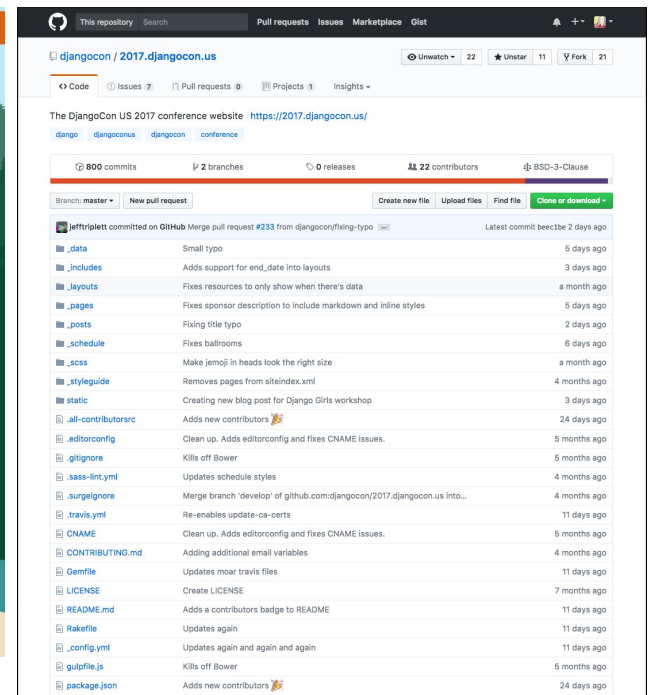
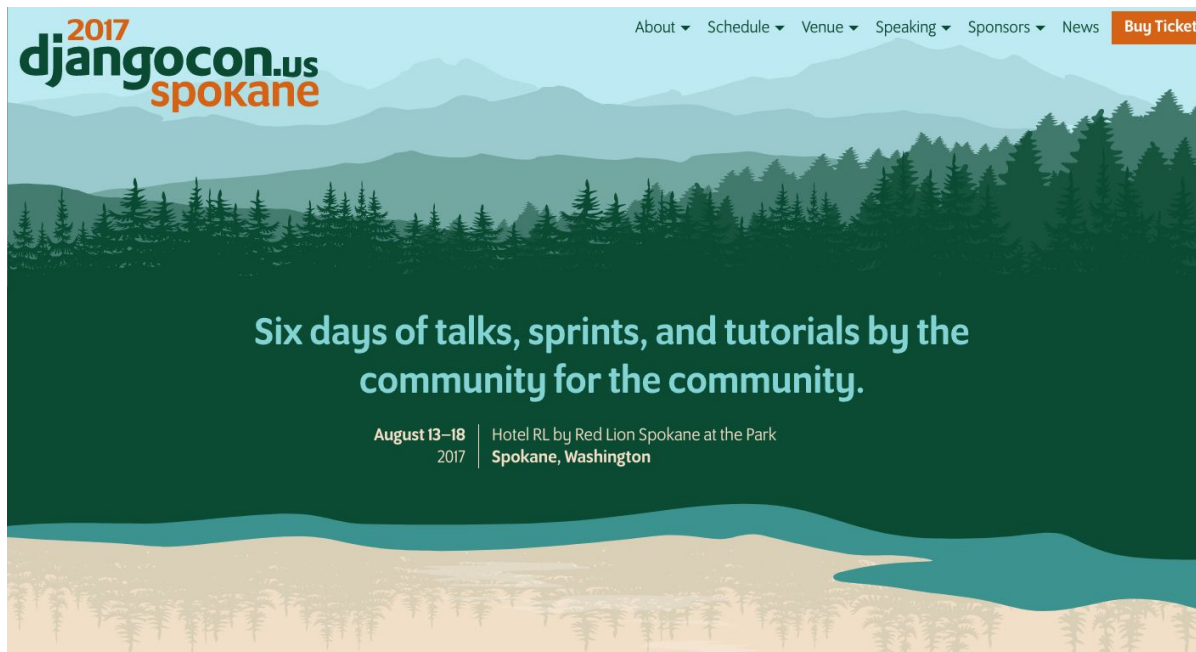
 Conversation 0  Commits 1  Files changed 1 +24 -0 

 KatherineMichel commented on Nov 3, 2013 Contributor    Reviewers

DjangoCon US Website as an Example Project

DjangoCon US Website
Homepage

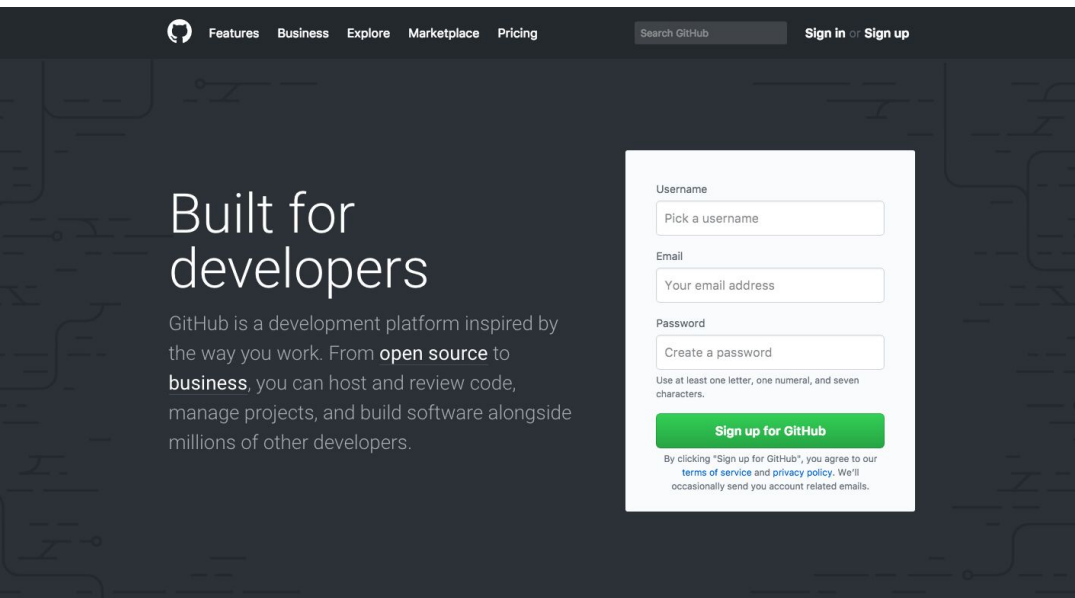
DjangoCon US
Website Repo



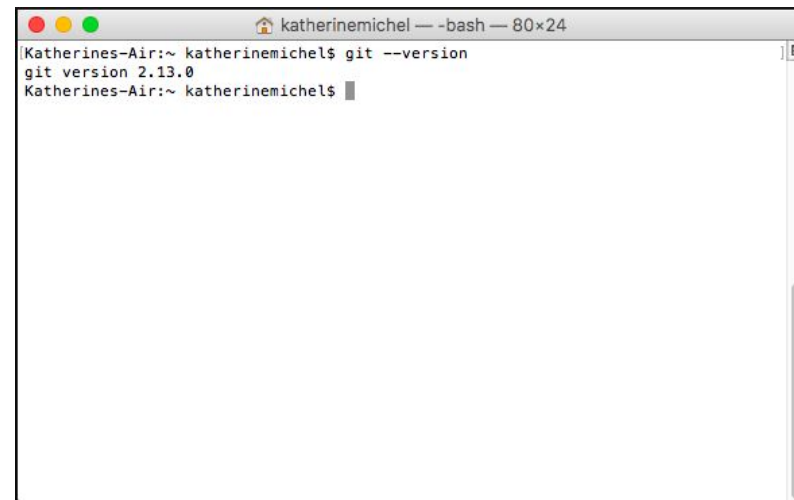
What are Git and GitHub?

GitHub is a website built on the version control software Git.

GitHub Website



Git Command Line



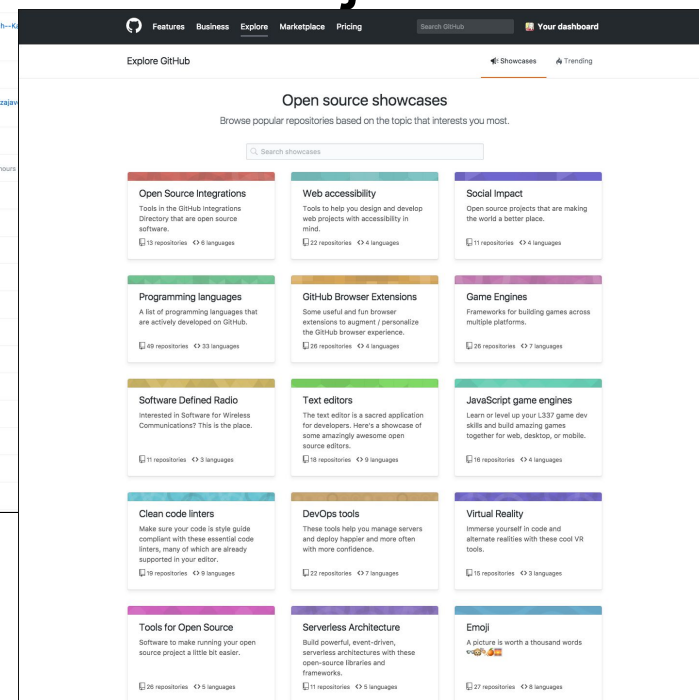
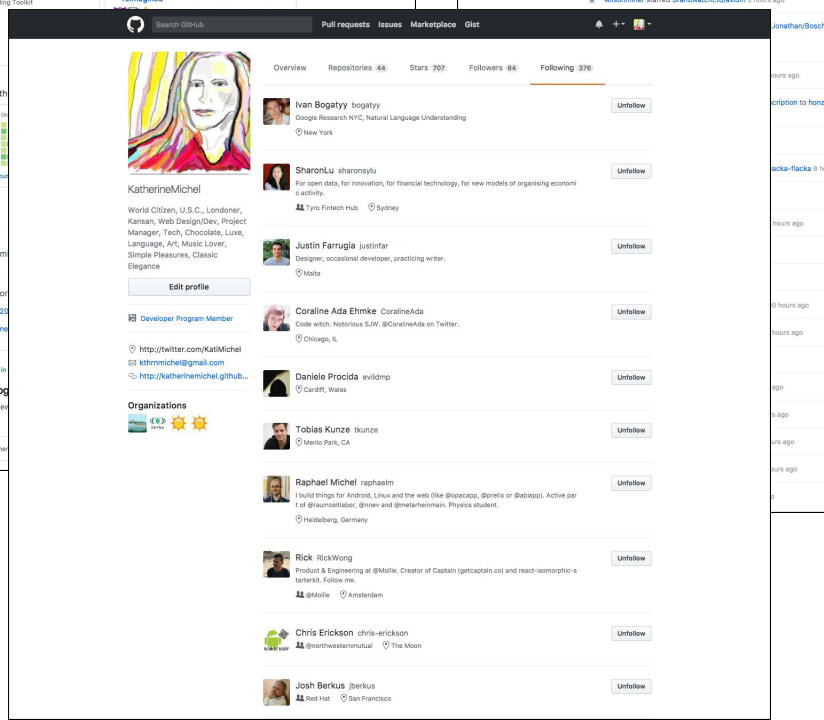
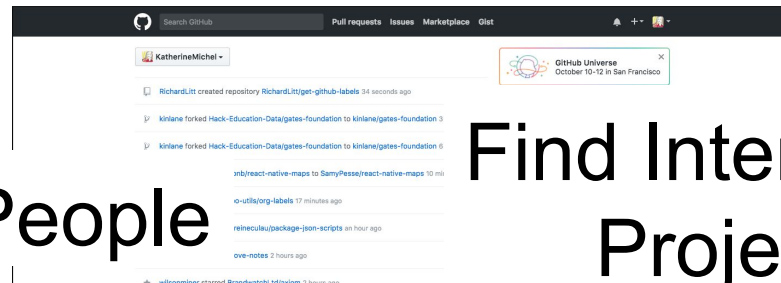
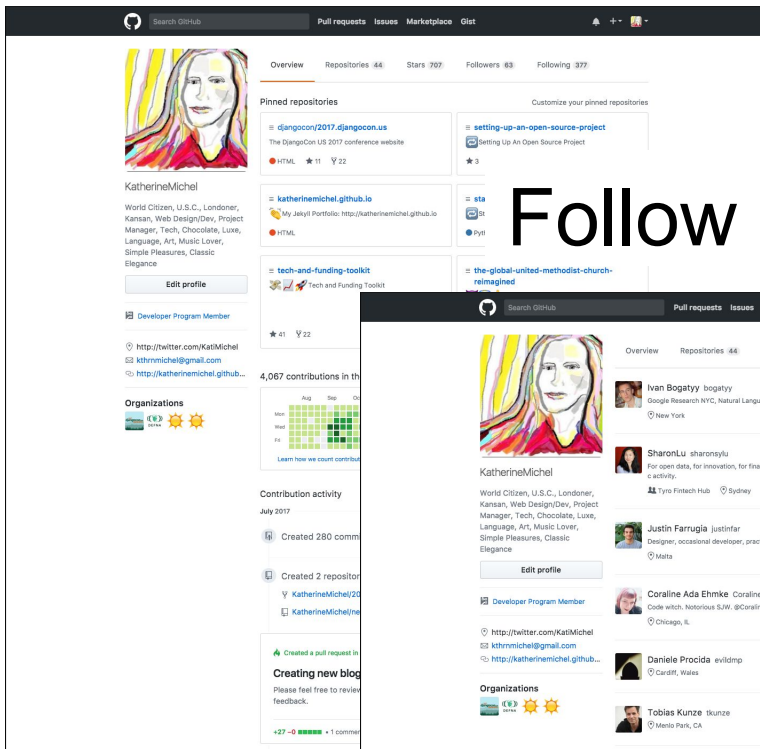
GitHub: Social Network

Make a User Profile

Follow Activity in Newsfeed

Find Interesting Projects

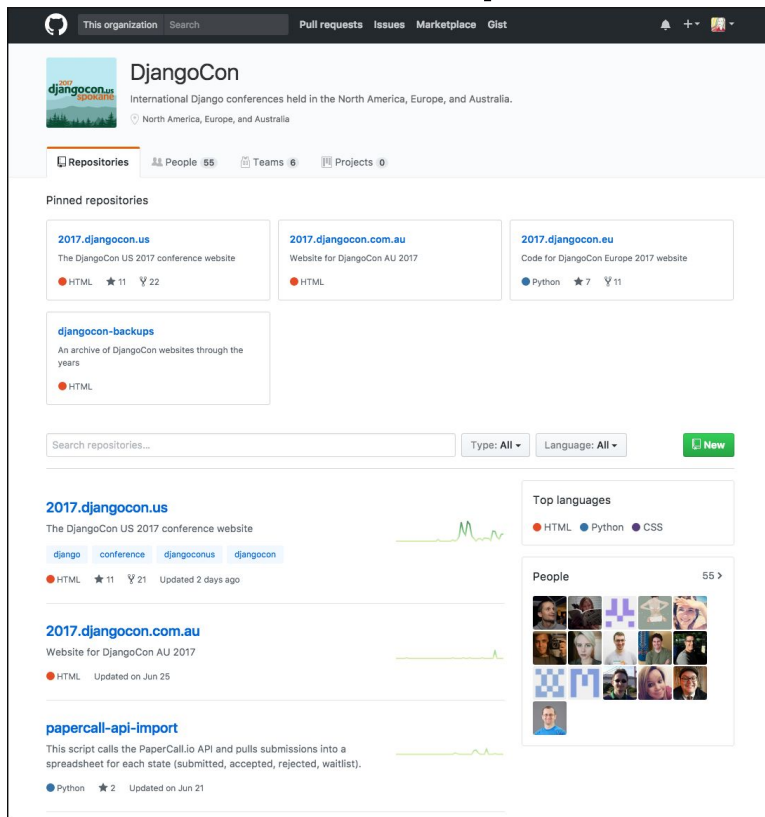
Follow People



GitHub: Repositories

GitHub users work on code together

DjangoCon US Organization Account Repo List



The screenshot displays the GitHub organization page for DjangoCon. The header includes the organization name, a description, and navigation links for Pull requests, Issues, Marketplace, and Gist. The main content area is divided into sections for Pinned repositories, a search bar, and a list of repositories. The Pinned repositories section features four repositories: 2017.djangocon.us, 2017.djangocon.com.au, 2017.djangocon.eu, and djangocon-backups. The search bar allows users to search for repositories, with filters for Type and Language. The list of repositories section shows three repositories: 2017.djangocon.us, 2017.djangocon.com.au, and papercall-api-import. The Top languages section shows HTML, Python, and CSS. The People section shows a grid of 55 members.

DjangoCon
International Django conferences held in the North America, Europe, and Australia.
North America, Europe, and Australia

Repositories | People 55 | Teams 0 | Projects 0

Pinned repositories

- 2017.djangocon.us**
The DjangoCon US 2017 conference website
HTML ★ 11 ▼ 22
- 2017.djangocon.com.au**
Website for DjangoCon AU 2017
HTML
- 2017.djangocon.eu**
Code for DjangoCon Europe 2017 website
Python ★ 7 ▼ 11
- djangocon-backups**
An archive of DjangoCon websites through the years
HTML

Search repositories... Type: All Language: All **New**

2017.djangocon.us
The DjangoCon US 2017 conference website
django conference djangoconus djangocon
HTML ★ 11 ▼ 21 Updated 2 days ago

2017.djangocon.com.au
Website for DjangoCon AU 2017
HTML Updated on Jun 25

papercall-api-import
This script calls the PaperCall.io API and pulls submissions into a spreadsheet for each state (submitted, accepted, rejected, waitlist).
Python ★ 2 Updated on Jun 21

Top languages
HTML Python CSS

People 55 >
A grid of 55 member avatars.

GitHub: Repositories

GitHub users work on code together

DjangoCon US Organization Account Repo List

The screenshot shows the GitHub interface for the DjangoCon US Organization. The top navigation bar includes links for 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. The main content area displays a list of repositories. The first repository, '2017.djangocon.us', is highlighted with a red border. It is described as 'The DjangoCon US 2017 conference website' and includes tags for 'django', 'conference', 'djangoconus', and 'djangocon'. The repository is written in HTML, has 13 stars, 26 forks, and was updated 2 hours ago. Below this, two more repositories are visible: '2017.djangocon.com.au' (Website for DjangoCon AU 2017, updated on Jun 25) and 'papercall-api-import' (This script calls the PaperCall.io API and pulls submissions into a spreadsheet for each state (submitted, accepted, rejected, waitlist), updated on Jun 21). On the right side of the repository list, there are sections for 'Top languages' (HTML, Python, CSS) and 'People' (55 members).

This organization Search Pull requests Issues Marketplace Gist

2017.djangocon.us

The DjangoCon US 2017 conference website

django conference djangoconus djangocon

HTML ★ 13 26 Updated 2 hours ago

2017.djangocon.us

The DjangoCon US 2017 conference website

django conference djangoconus djangocon

HTML ★ 11 21 Updated 2 days ago

2017.djangocon.com.au

Website for DjangoCon AU 2017

HTML Updated on Jun 25

papercall-api-import

This script calls the PaperCall.io API and pulls submissions into a spreadsheet for each state (submitted, accepted, rejected, waitlist).

Python ★ 2 Updated on Jun 21

Top languages

HTML Python CSS

People 55 >

GitHub: Repositories

GitHub users work on code together

DjangoCon US Organization
Account Repo List

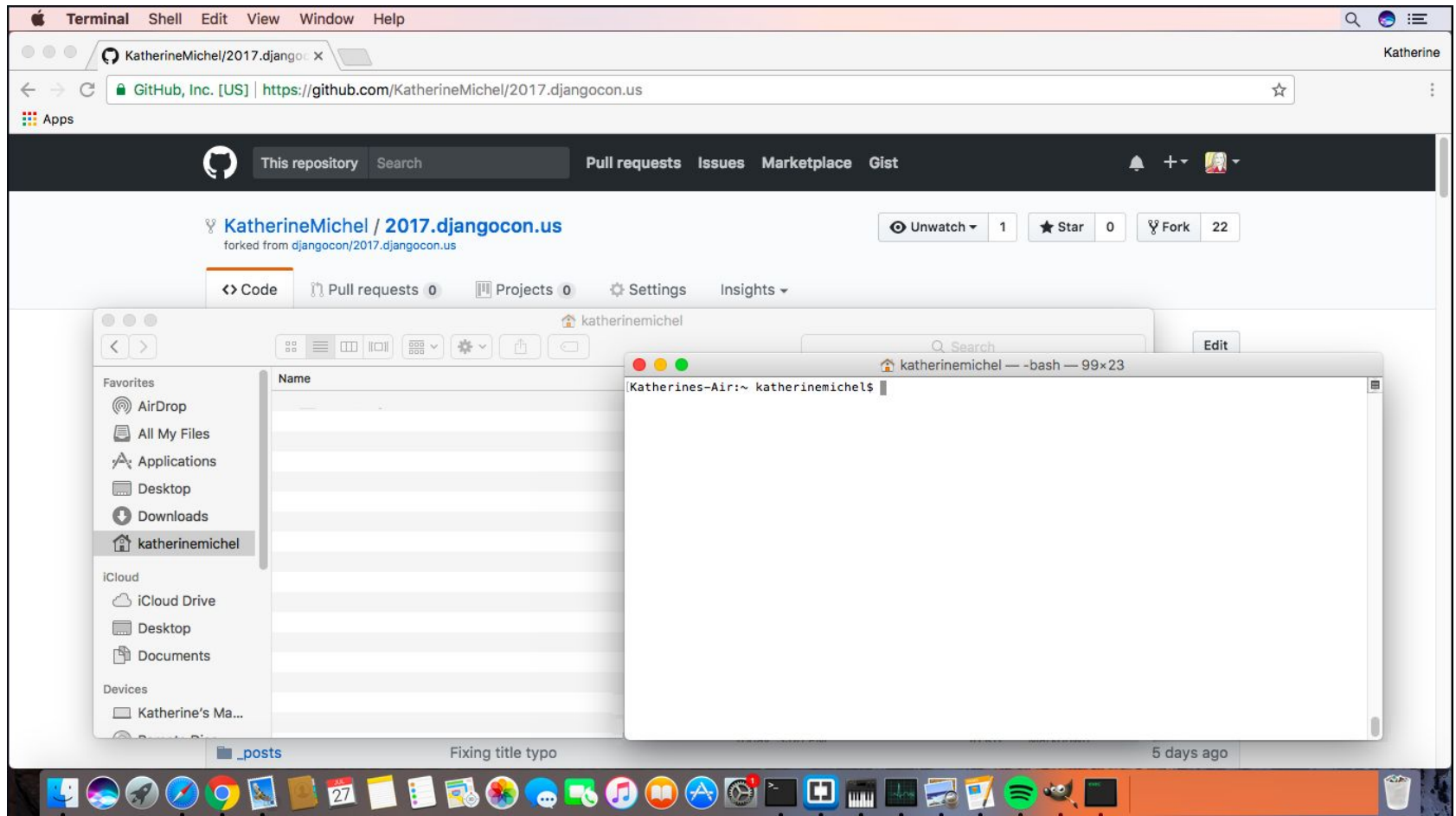
DjangoCon US
Website Repo

This screenshot shows the DjangoCon US Organization's GitHub account. The main repository, **2017.djangocon.us**, is highlighted with a red box. It is described as 'The DjangoCon US 2017 conference website' and includes tags for `django`, `conference`, `djangoconus`, and `djangocon`. It has 13 stars, 26 forks, and was updated 2 hours ago. Below this, another repository, **2017.djangocon.com.au**, is also highlighted with a red box. It is described as 'Website for DjangoCon AU 2017' and was updated on Jun 25. An arrow points from the **2017.djangocon.us** repository to the **2017.djangocon.com.au** repository.

This screenshot shows the DjangoCon US Website Repository's GitHub page. The repository is **2017.djangocon.us**. It shows a list of recent commits and pull requests. The repository has 800 commits, 2 branches, 0 releases, 22 contributors, and is licensed under the BSD-3-Clause license. The latest commit was made 2 days ago by jefftriplett. The commit history includes:

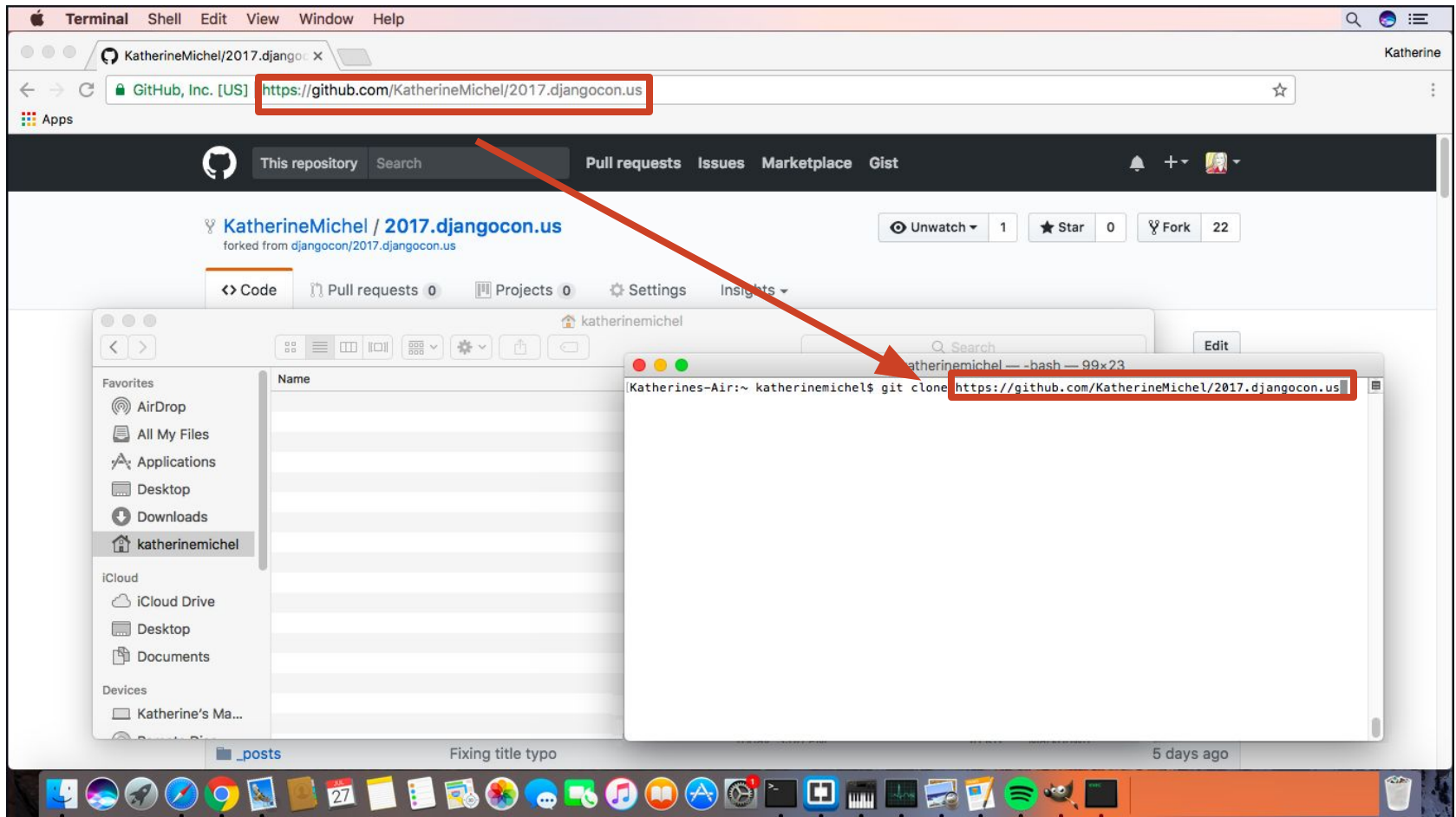
- `_data`: Small typo (5 days ago)
- `_includes`: Adds support for end_date into layouts (3 days ago)
- `_layouts`: Fixes resources to only show when there's data (a month ago)
- `_pages`: Fixes sponsor description to include markdown and inline styles (5 days ago)
- `_posts`: Fixing title typo (2 days ago)
- `_schedule`: Fixes ballrooms (6 days ago)
- `_scss`: Make jemoji in heads look the right size (a month ago)
- `_styleguide`: Removes pages from siteindex.xml (4 months ago)
- `static`: Creating new blog post for Django Girls workshop (3 days ago)
- `.all-contributorsrc`: Adds new contributors (24 days ago)
- `.editorconfig`: Clean up. Adds editorconfig and fixes CNAME issues. (5 months ago)
- `.gitignore`: Kills off Bower (5 months ago)
- `.sass-lint.yml`: Updates schedule styles (4 months ago)
- `.surgeignore`: Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into... (4 months ago)
- `.travis.yml`: Re-enables update-ca-certs (11 days ago)
- `CNAME`: Clean up. Adds editorconfig and fixes CNAME issues. (5 months ago)
- `CONTRIBUTING.md`: Adding additional email variables (4 months ago)
- `Gemfile`: Updates moar travis files (11 days ago)
- `LICENSE`: Create LICENSE (7 months ago)
- `README.md`: Adds a contributors badge to README (11 days ago)
- `Rakefile`: Updates again (11 days ago)
- `_config.yml`: Updates again and again and again (11 days ago)
- `gulpfile.js`: Kills off Bower (5 months ago)
- `package.json`: Adds new contributors (24 days ago)

Local Dev Environment



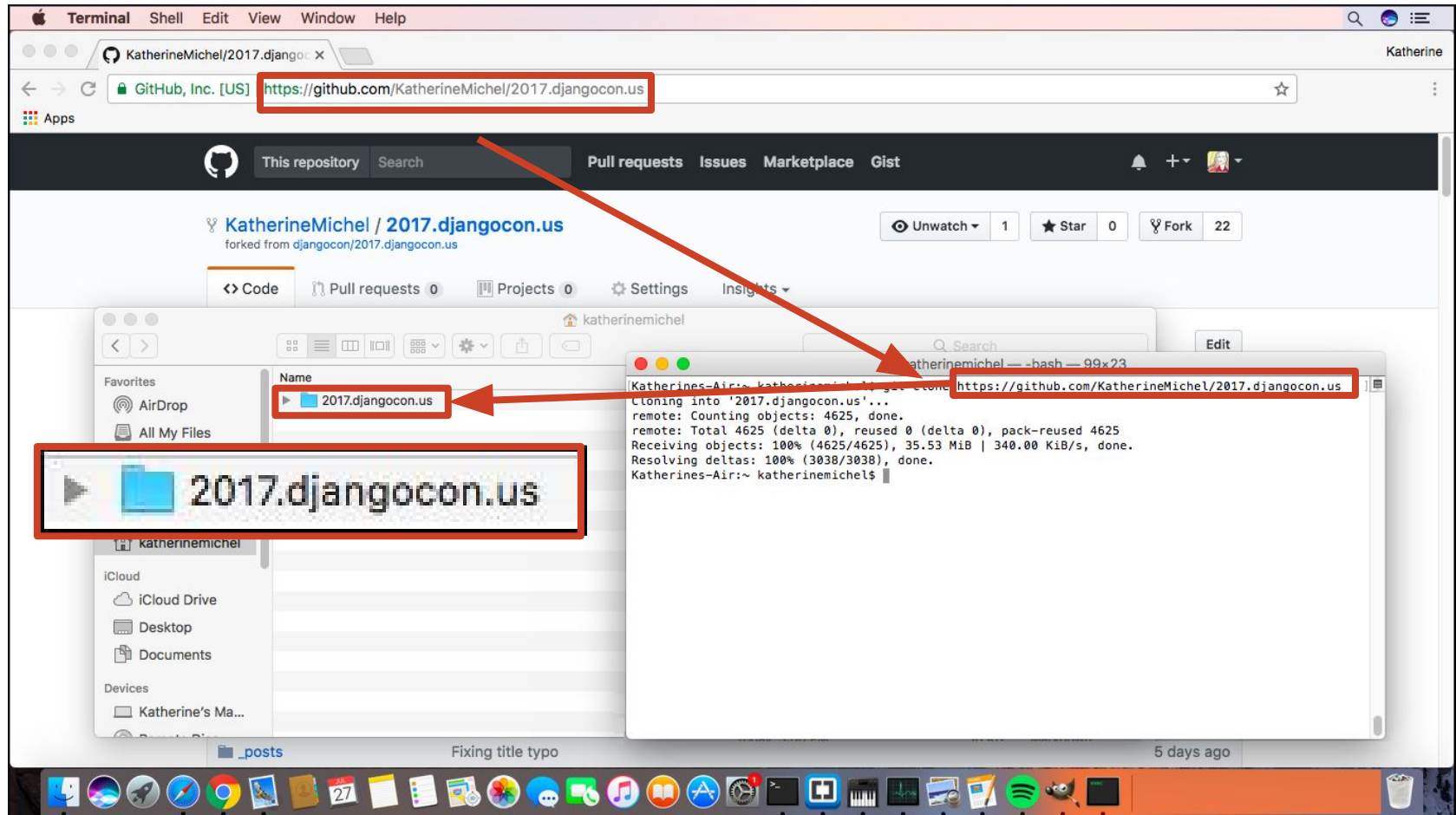
Local Dev Environment

\$ git clone https://github.com/KatherineMichel/2017.djangocon.us



Local Dev Environment

\$ git clone https://github.com/KatherineMichel/2017.djangocon.us



Collaboration and Code Review Best Practice Workflow

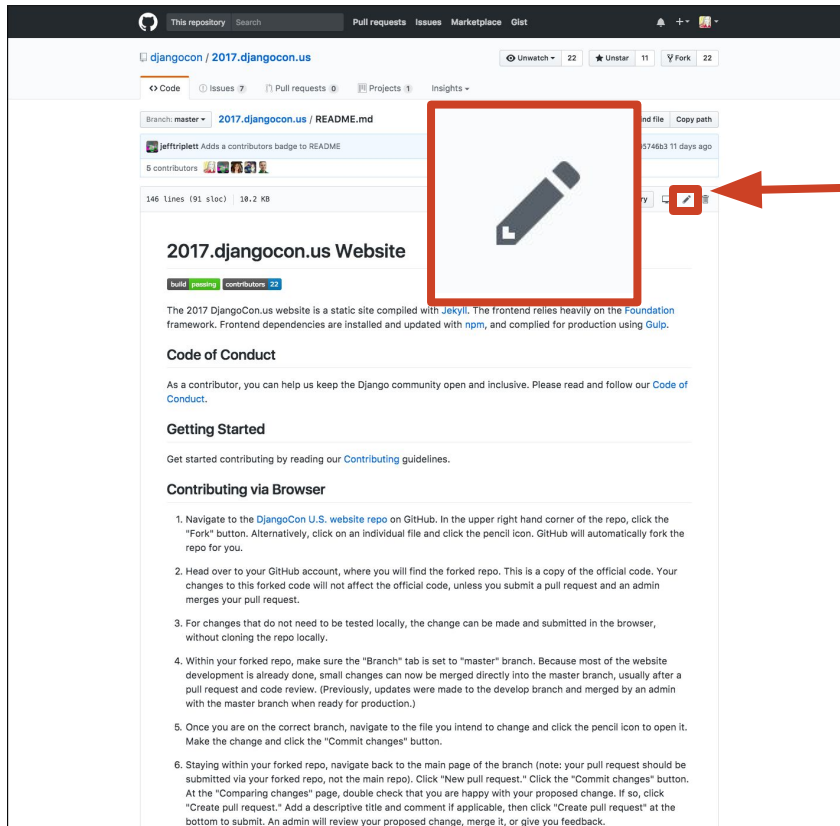
You need to switch between multiple tasks:

- Keep codebase up-to-date
- Create one or more features
 - Do code review

Working on a File in GitHub

File on GitHub (README)

Editing File

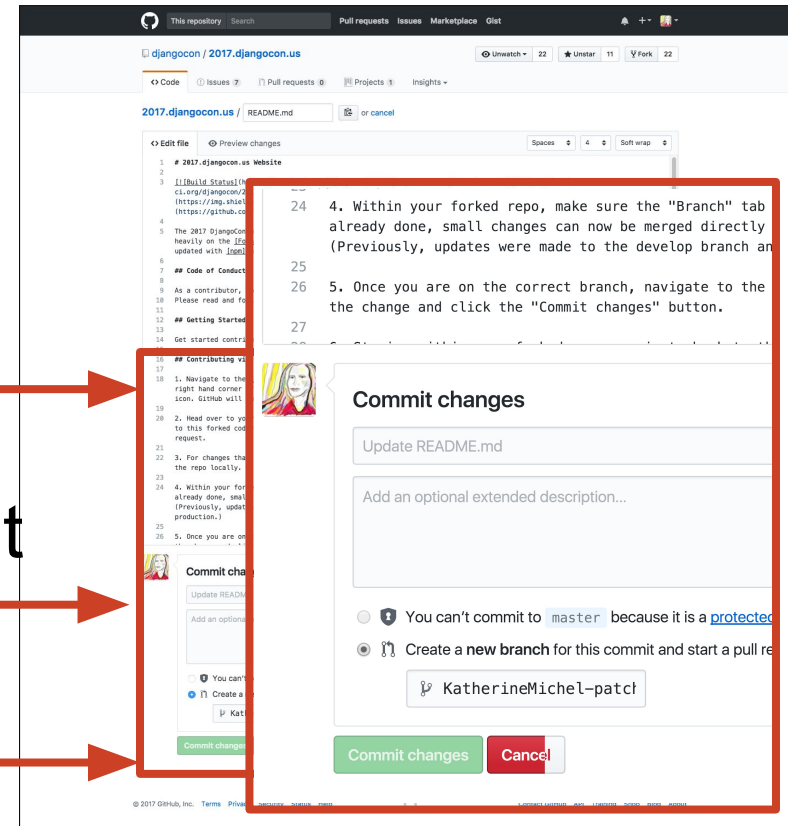


Click
pencil
icon

Edit

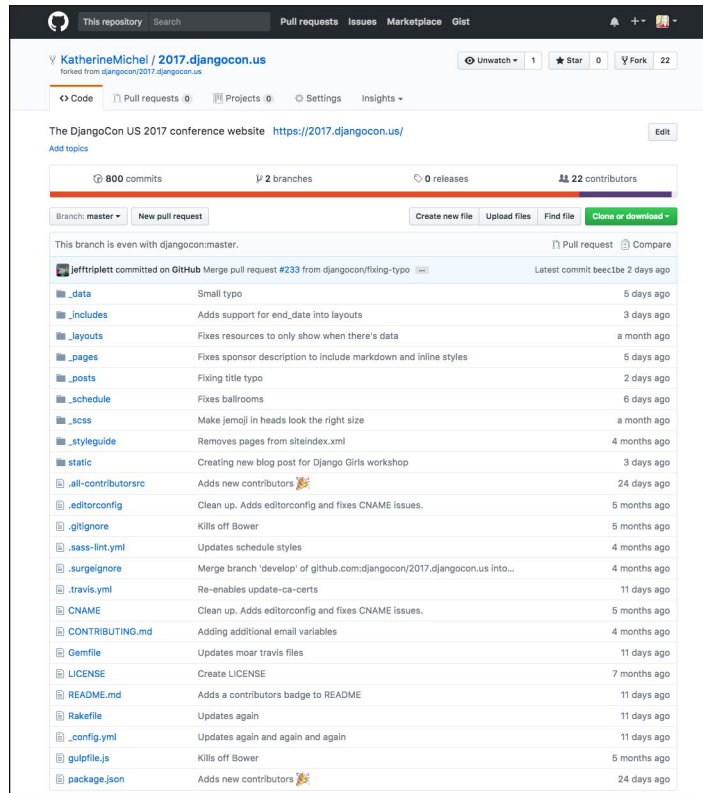
Commit
Info

Save



Branches

Master Branch

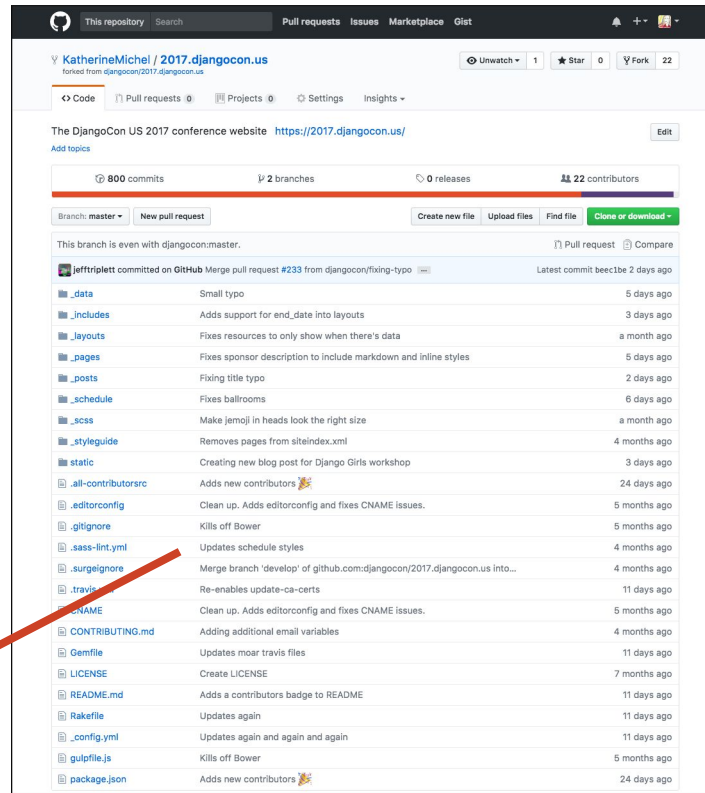


The screenshot displays the GitHub interface for the repository `KatherineMichel / 2017.djangocon.us`, which is forked from `djangocon/2017.djangocon.us`. The repository has 1 Unwatch, 1 Star, 0 Forks, and 22 contributors. The main branch is `master`, and there are 2 branches in total. The repository description is "The DjangoCon US 2017 conference website" with a link to <https://2017.djangocon.us/>. The repository statistics show 800 commits, 2 branches, 0 releases, and 22 contributors. The commit history is listed below, showing the most recent commit by `jefftriplett` on `2017-11-11` at `bee1be`, which merged pull request #233 from `djangocon/fixing-typo`. The commit list includes:

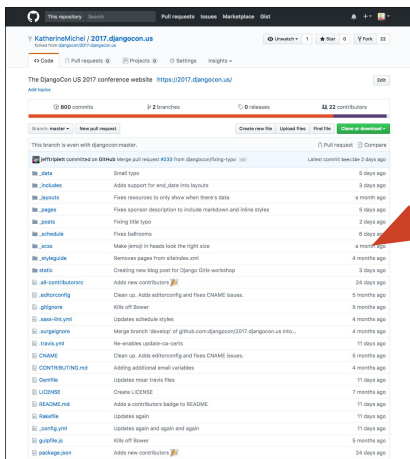
Commit	Message	Time
<code>bee1be</code>	Small typo	5 days ago
<code>...</code>
<code>...</code>	Adds support for end_date into layouts	3 days ago
<code>...</code>	Fixes resources to only show when there's data	a month ago
<code>...</code>	Fixes sponsor description to include markdown and inline styles	5 days ago
<code>...</code>	Fixing title typo	2 days ago
<code>...</code>	Fixes ballrooms	6 days ago
<code>...</code>	Make jemoji in heads look the right size	a month ago
<code>...</code>	Removes pages from siteindex.xml	4 months ago
<code>...</code>	Creating new blog post for Django Girls workshop	3 days ago
<code>...</code>	Adds new contributors 🙌	24 days ago
<code>...</code>	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
<code>...</code>	Kills off Bower	5 months ago
<code>...</code>	Updates schedule styles	4 months ago
<code>...</code>	Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into...	4 months ago
<code>...</code>	Re-enables update-ca-certs	11 days ago
<code>...</code>	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
<code>...</code>	Adding additional email variables	4 months ago
<code>...</code>	Updates moar travis files	11 days ago
<code>...</code>	Create LICENSE	7 months ago
<code>...</code>	Adds a contributors badge to README	11 days ago
<code>...</code>	Updates again	11 days ago
<code>...</code>	Updates again and again and again	11 days ago
<code>...</code>	Kills off Bower	5 months ago
<code>...</code>	Adds new contributors 🙌	24 days ago

Branches

Master Branch

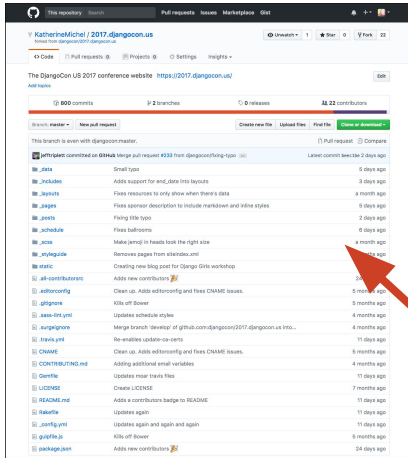


Feature Branch

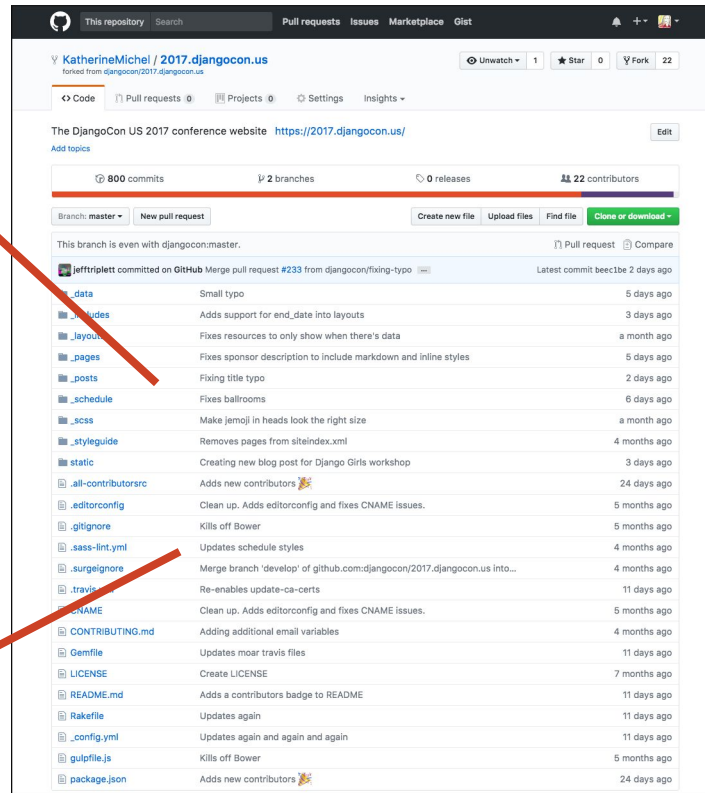


Branches

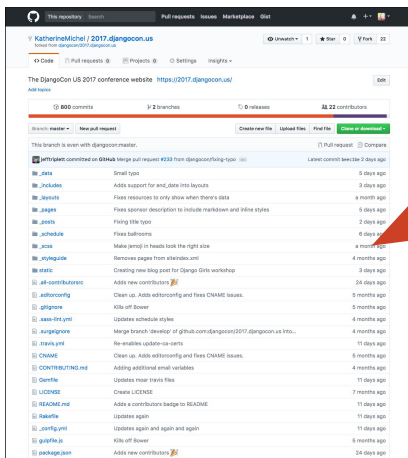
Feature Branch



Master Branch



Feature Branch

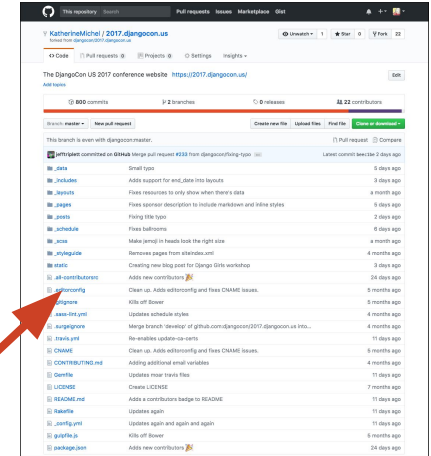
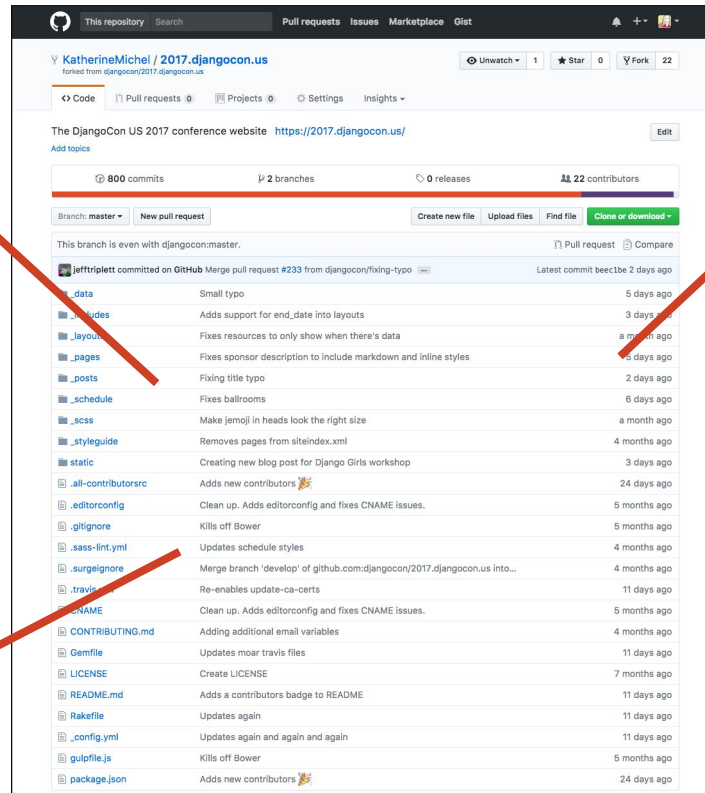
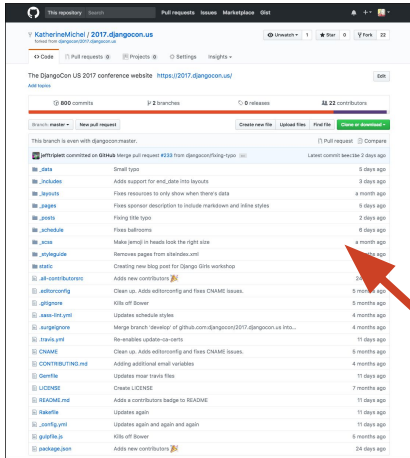


Branches

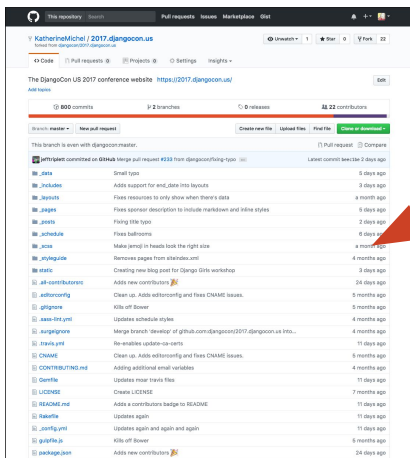
Feature Branch

Feature Branch

Master Branch



Feature Branch



Branches

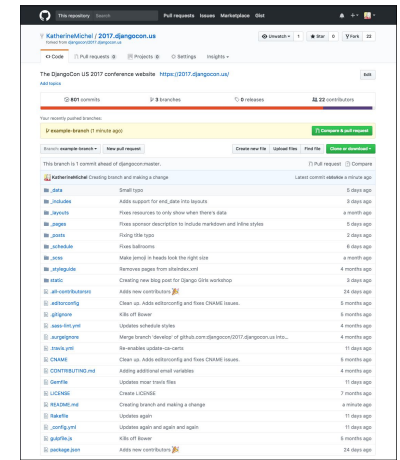
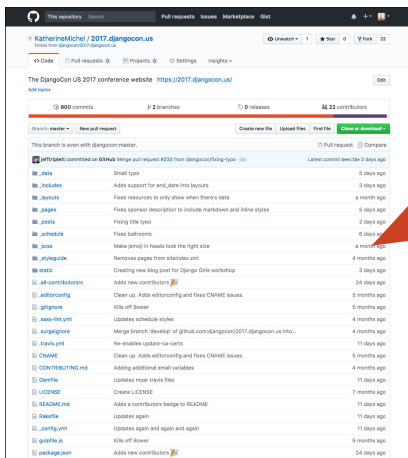
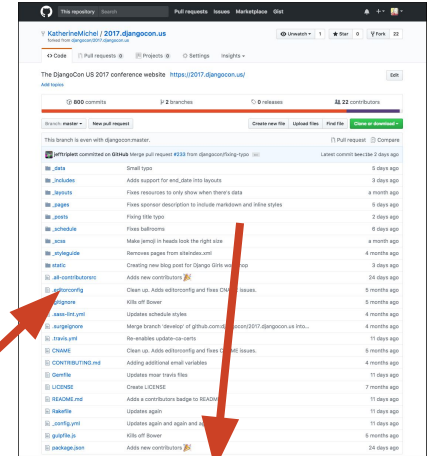
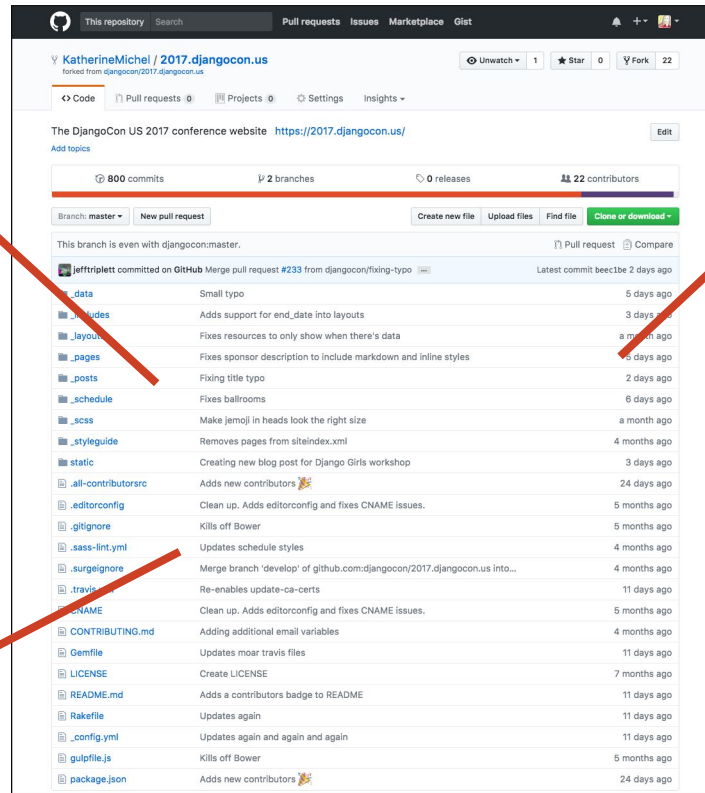
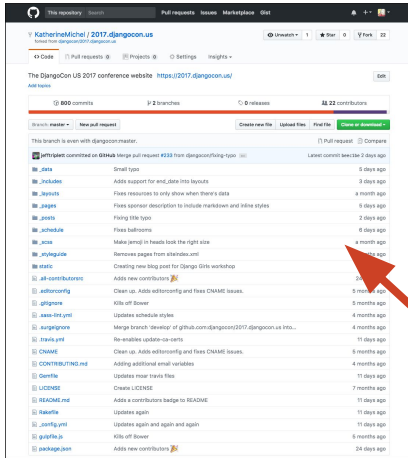
Feature Branch

Feature Branch

Master Branch

Pull Request Branch

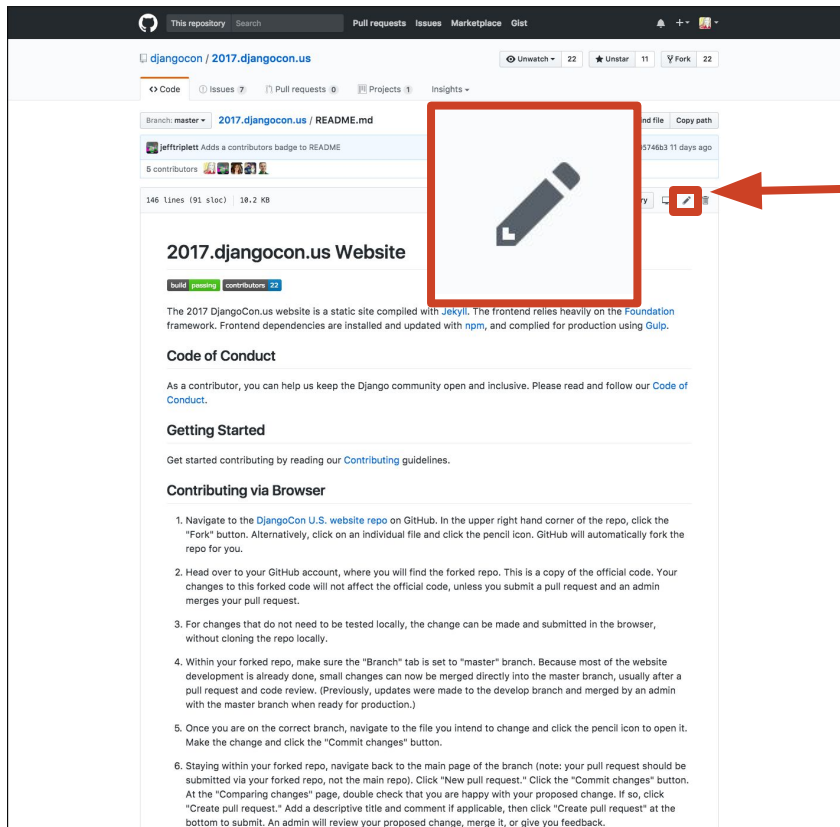
Feature Branch



How to Create a Branch

File on GitHub (README)

Editing File

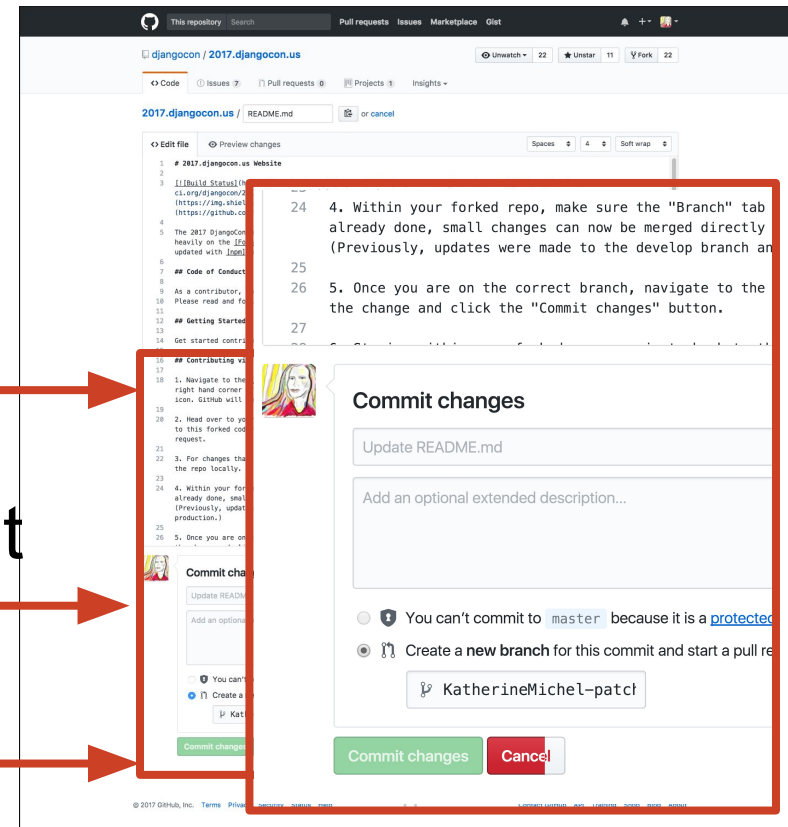


Click
pencil
icon

Edit

Commit
Info

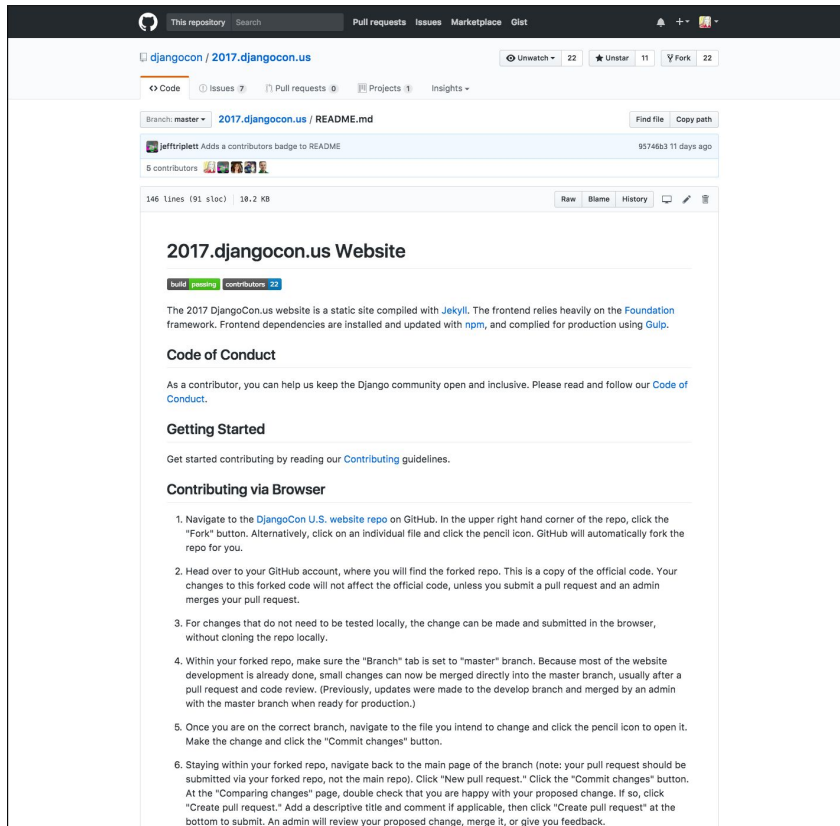
Save



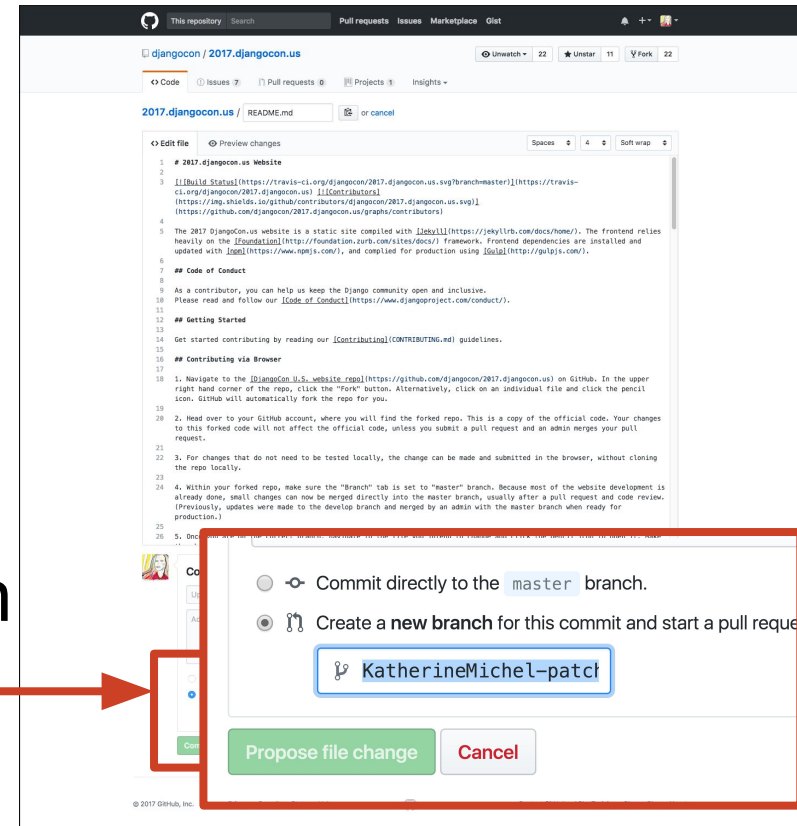
How to Create a Branch

File on GitHub (README)

Editing File



New
branch
and
name



Overview

- Determine which collaboration approach to use
 - Clone a repo into our local development environment, create a feature branch, make a change, push the branch to the GitHub repo, and submit a pull request
- Review the two different types of pull request branches as a maintainer
 - Recommendations

Section 1

- Determine which collaboration approach to use

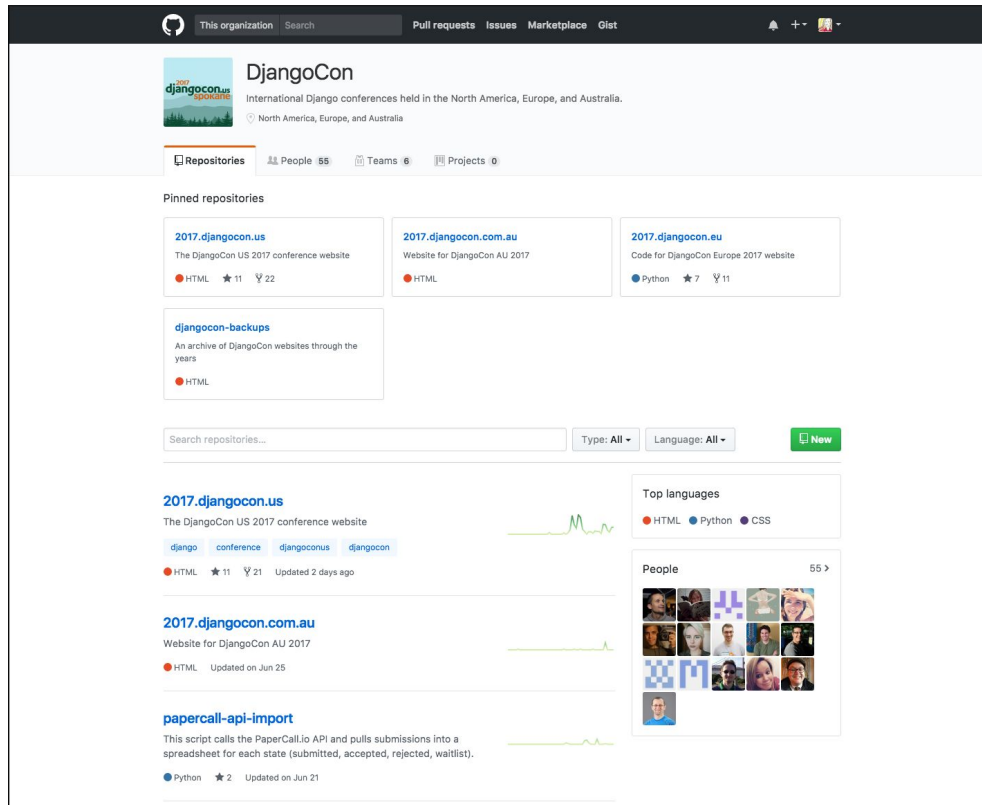
The Two Collaborative Development Models

- “Shared Repository” Model
 - “Fork and Pull” Model

The two different models typically correspond to the two different account types and which model you use depends on whether you have write permission to the repo

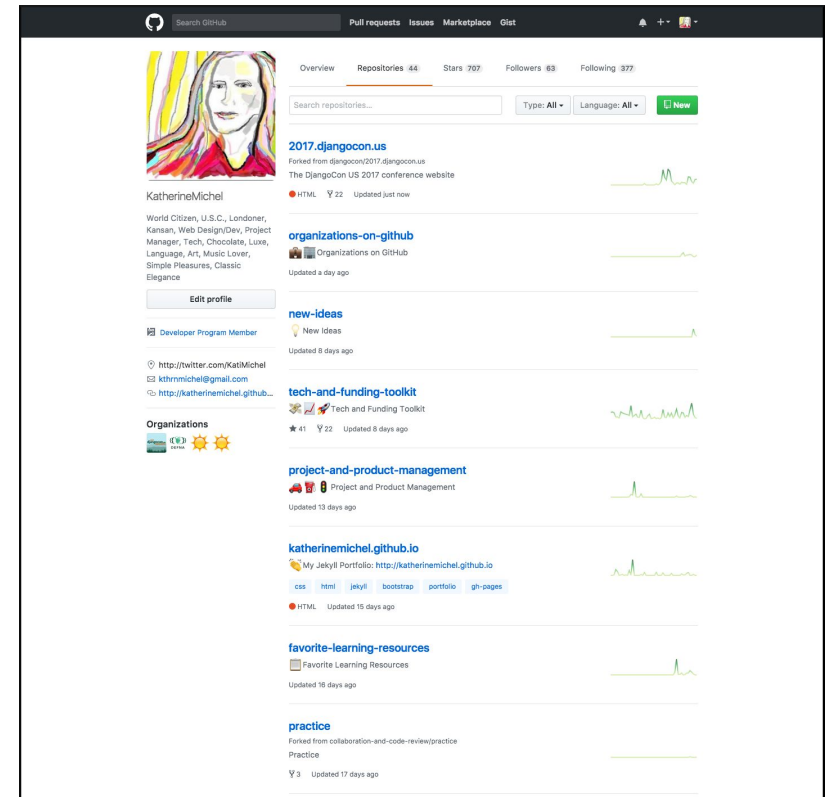
Two Types of Accounts

Organization Account



This screenshot shows the GitHub organization page for DjangoCon. The header includes the GitHub logo, a search bar, and navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. The organization's name 'DjangoCon' is prominently displayed, along with a description: 'International Django conferences held in the North America, Europe, and Australia.' Below this, there are tabs for 'Repositories', 'People' (55), 'Teams' (0), and 'Projects' (0). The 'Pinned repositories' section features three cards: '2017.djangocon.us' (HTML, 11 stars, updated 22 days ago), '2017.djangocon.com.au' (HTML, updated on Jun 27), and '2017.djangocon.eu' (Python, 7 stars, updated 11 days ago). A search bar for repositories is located below the pinned list, with filters for 'Type: All' and 'Language: All'. The main repository list shows '2017.djangocon.us' (HTML, 11 stars, updated 2 days ago), '2017.djangocon.com.au' (HTML, updated on Jun 25), and 'papercall-api-import' (Python, 2 stars, updated on Jun 21). A 'Top languages' section shows HTML, Python, and CSS. A 'People' section displays a grid of 55 profile pictures.

User Account



This screenshot shows the GitHub user profile page for KatherineMichell. The header includes the GitHub logo, a search bar, and navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Gist'. The user's profile picture is shown, along with their name 'KatherineMichell' and a bio: 'World Citizen, U.S.C., Londoner, Kansan, Web Design/Dev, Project Manager, Tech, Chocolate, Luxe, Language, Art, Music Lover, Simple Pleasures, Classic Elegance.' The page shows the user's statistics: 44 repositories, 797 stars, 63 followers, and 377 following. The 'Repositories' tab is selected, showing a list of repositories: '2017.djangocon.us' (HTML, updated just now), 'organizations-on-github' (updated a day ago), 'new-ideas' (updated 8 days ago), 'tech-and-funding-toolkit' (updated 8 days ago), 'project-and-product-management' (updated 13 days ago), 'katherinemichell.github.io' (updated 15 days ago), 'favorite-learning-resources' (updated 16 days ago), and 'practice' (updated 17 days ago). Each repository card includes a search bar, filters for 'Type: All' and 'Language: All', and a 'New' button.

Write Permission

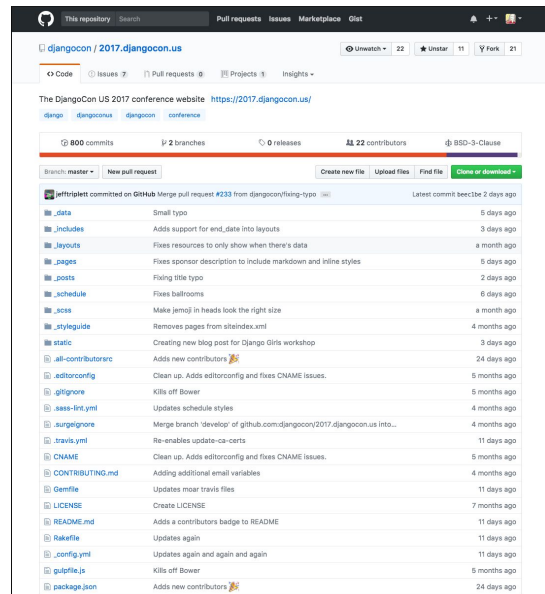
When a user has write permission to a repo, it means they can make changes directly inside of the repo

Write Permission and Collaboration Examples

Shared Repository

DjangoCon US Website Repo

Write Permission: Maintainers



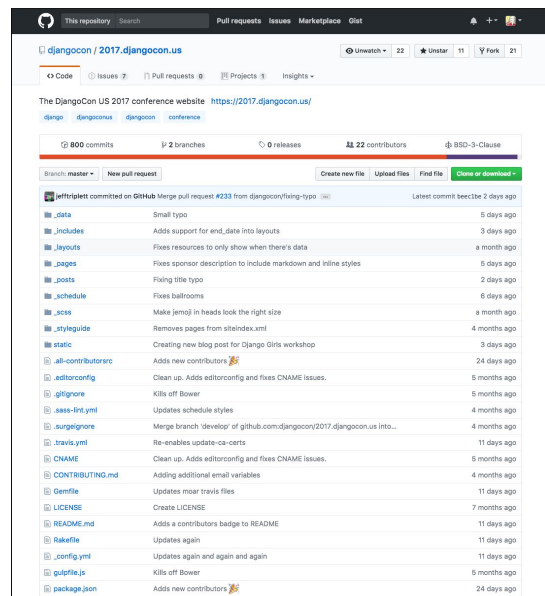
Write Permission and Collaboration Examples

Shared Repository

Fork and Pull

Fork

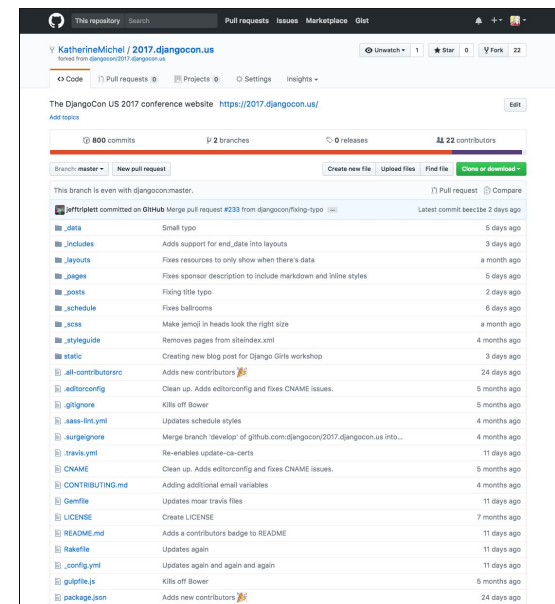
Write Permission: Maintainers Write Permission: User



Fork

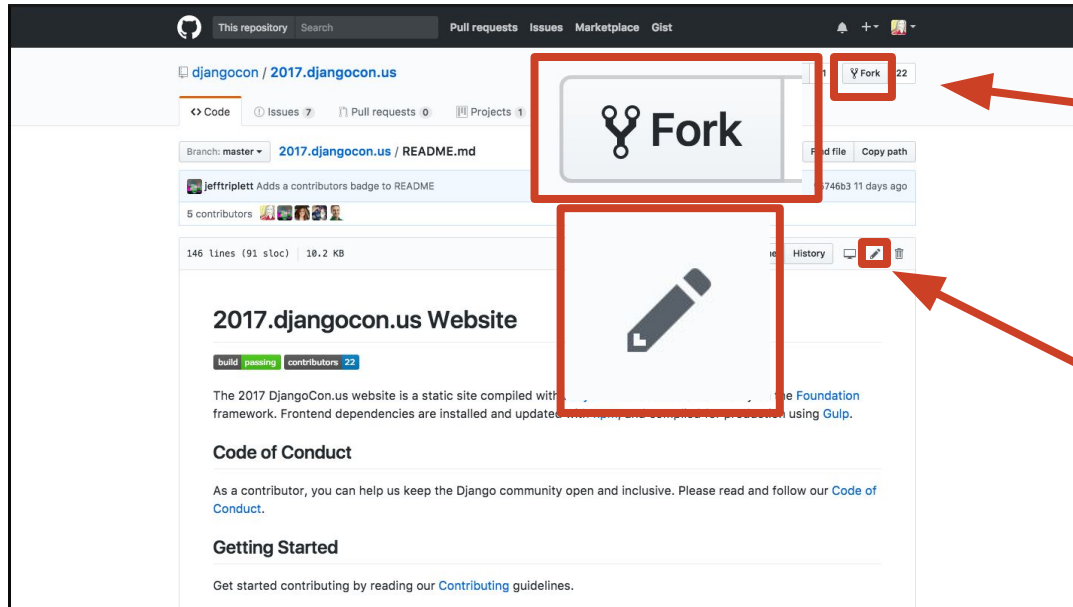
Submit

Pull Request



How to Fork a Repo

DjangoCon US Website Repo

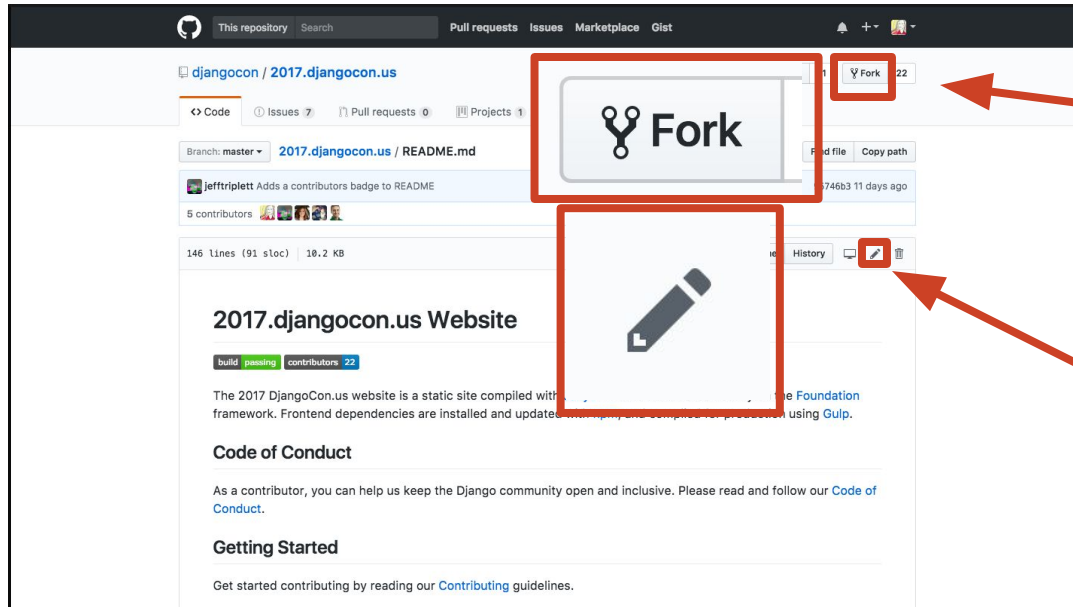


Click the “Fork”
button

Click pencil icon to
try to edit a file you
don’t have write
permission to

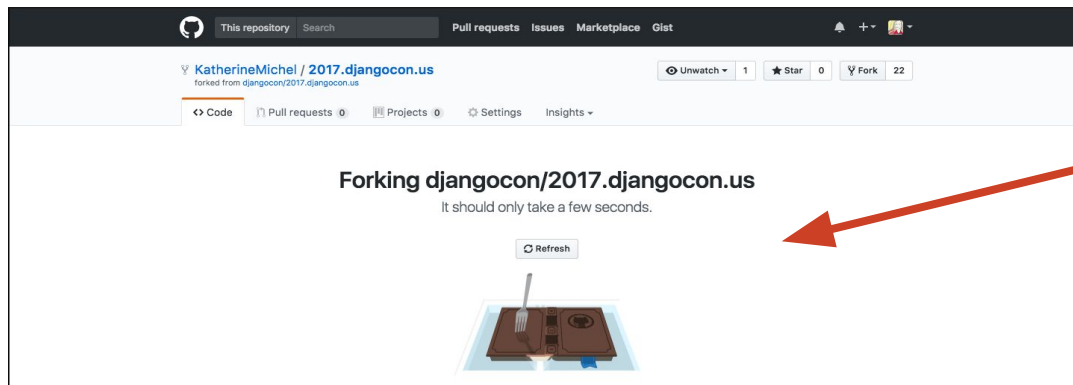
How to Fork a Repo

DjangoCon US Website Repo



Click the “Fork” button

Click pencil icon to try to edit a file you don't have write permission to

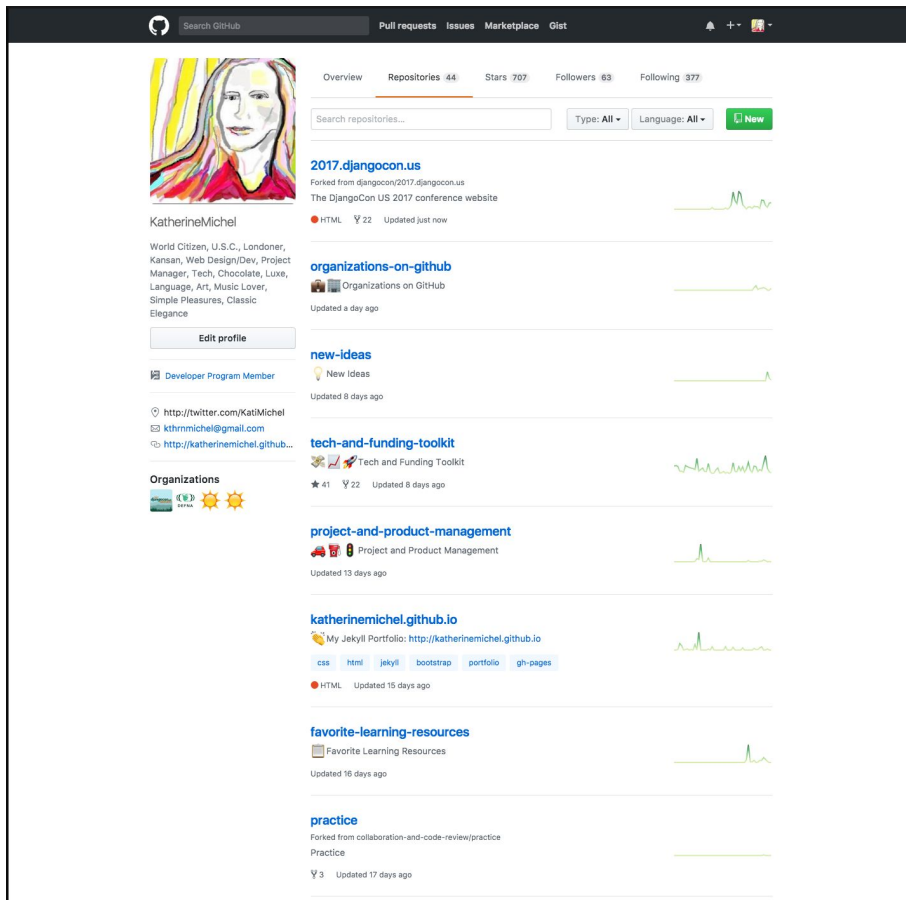


GitHub will notify you that the repo is being forked

Forked Repo

User Account

www.github.com/KatherineMichel



The screenshot shows the GitHub profile of KatherineMichel. The profile includes a bio, a list of repositories, and a list of organizations. The repositories listed are:

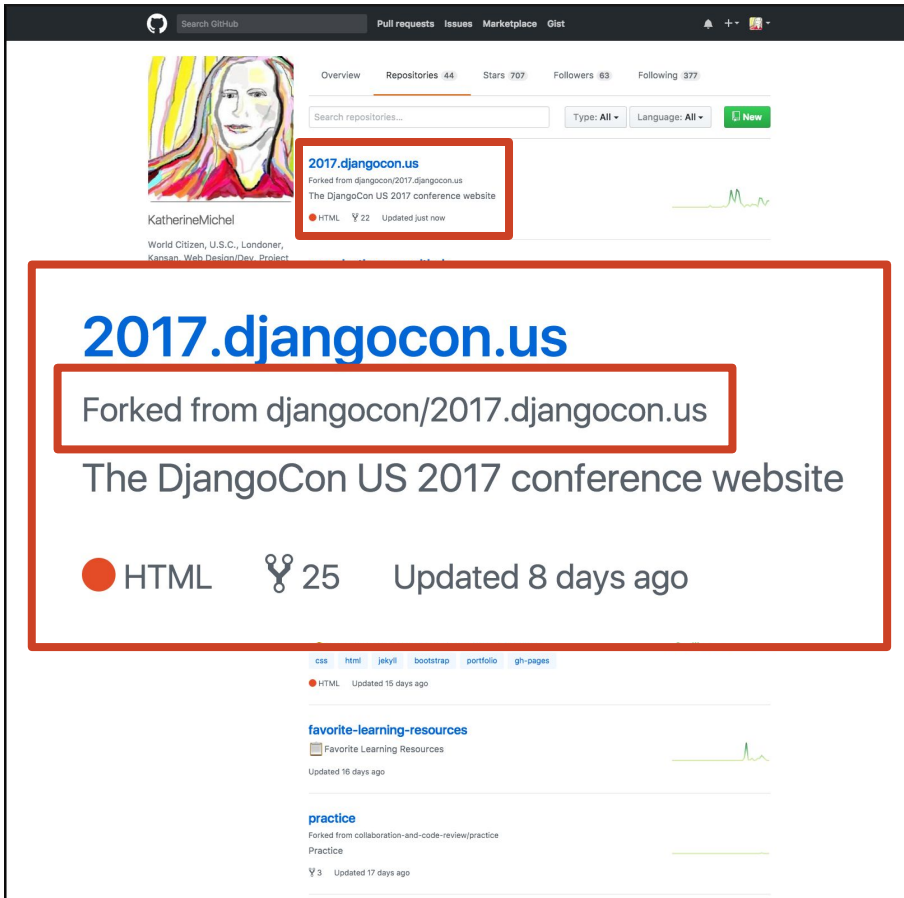
- 2017.djangocon.us**: Forked from [@djangocon/2017.djangocon.us](#). The DjangoCon US 2017 conference website. HTML. 22 updates. Updated just now.
- organizations-on-github**: Organizations on GitHub. Updated a day ago.
- new-ideas**: New Ideas. Updated 8 days ago.
- tech-and-funding-toolkit**: Tech and Funding Toolkit. 41 stars, 22 updates. Updated 8 days ago.
- project-and-product-management**: Project and Product Management. Updated 13 days ago.
- katherinemichel.github.io**: My Jekyll Portfolio: <http://katherinemichel.github.io>. CSS, HTML, Jekyll, Bootstrap, Portfolio, GitHub Pages. HTML. Updated 15 days ago.
- favorite-learning-resources**: Favorite Learning Resources. Updated 16 days ago.
- practice**: Forked from [collaboration-and-code-review/practice](#). Practice. 3 updates. Updated 17 days ago.

The profile also shows a bio: "World Citizen, U.S.C., Londoner, Kansan, Web Design/Dev, Project Manager, Tech, Chocolate, Luxe, Language, Art, Music Lover, Simple Pleasures, Classic Elegance." and a list of organizations: [@djangocon](#), [@djangocon](#), [@djangocon](#).

Forked Repo

User Account

www.github.com/KatherineMichel



The screenshot shows the GitHub profile of KatherineMichel. The profile header includes a search bar, navigation links (Pull requests, Issues, Marketplace, Gist), and statistics (44 Repositories, 707 Stars, 63 Followers, 377 Following). A red box highlights the repository '2017.djangocon.us', which is a fork of 'djangocon/2017.djangocon.us'. Below the repository list, a larger red box highlights the details of the '2017.djangocon.us' repository, including its name, description, language (HTML), and update status.

2017.djangocon.us
Forked from djangocon/2017.djangocon.us
The DjangoCon US 2017 conference website
● HTML 25 Updated 8 days ago

css html jquery bootstrap portfolio gh-pages
● HTML Updated 15 days ago

favorite-learning-resources
Favorite Learning Resources
Updated 16 days ago

practice
Forked from collaboration-and-code-review/practice
Practice
3 Updated 17 days ago

Forked Repo

User Account

Forked Repo

www.github.com/KatherineMichel/2017.djangocon.us

2017.djangocon.us

Forked from djangocon/2017.djangocon.us

The DjangoCon US 2017 conference website

HTML 25 Updated 8 days ago

KatherineMichel / 2017.djangocon.us

forked from djangocon/2017.djangocon.us

800 commits 2 branches 0 releases 22 contributors

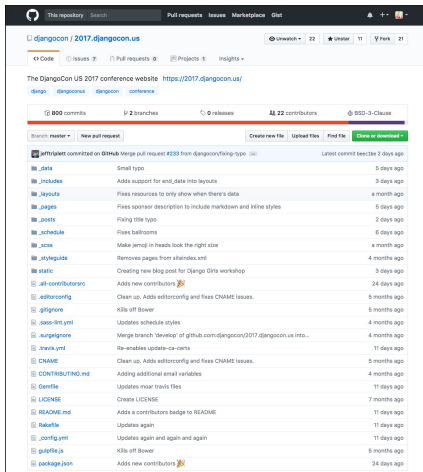
File	Description	Latest commit
_data	Small typo	5 days ago
_includes	Adds support for end_date into layouts	3 days ago
_layouts	Fixes resources to only show when there's data	a month ago
_pages	Fixes sponsor description to include markdown and inline styles	5 days ago
_posts	Fixing title typo	2 days ago
_schedule	Fixes ballrooms	6 days ago
_scss	Make jemoji in heads look the right size	a month ago
_styleguide	Removes pages from siteindex.xml	4 months ago
_static	Creating new blog post for Django Girls workshop	3 days ago
all-contributorsrc	Adds new contributors	24 days ago
editorconfig	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
gitignore	Kills off Bower	5 months ago
sass-lint.yml	Updates schedule styles	4 months ago
surgeignore	Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into...	4 months ago
travis.yml	Re-enables update-ca-certs	11 days ago
CNAME	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
CONTRIBUTING.md	Adding additional email variables	4 months ago
Gemfile	Updates moar travis files	11 days ago
LICENSE	Create LICENSE	7 months ago
README.md	Adds a contributors badge to README	11 days ago
Rakefile	Updates again	11 days ago
_config.yml	Updates again and again and again	11 days ago
gulpfile.js	Kills off Bower	5 months ago
package.json	Adds new contributors	24 days ago

Section 2

- Determine which collaboration approach to use
 - Clone a repo into our local development environment, create a feature branch, make a change, push the branch to the GitHub repo, and submit a pull request

Fork and Pull Model

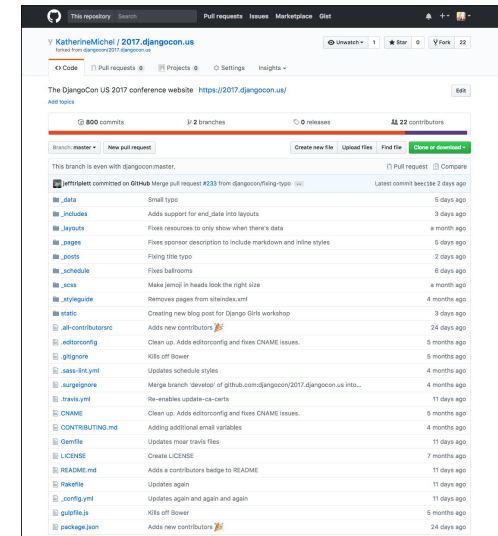
DjangoCon US Website Repo



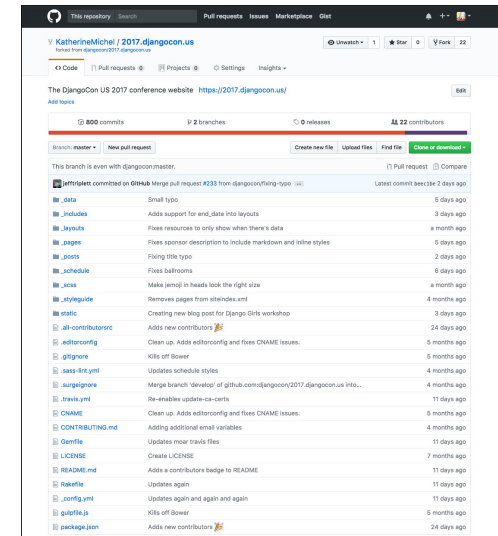
The screenshot shows the GitHub interface for the repository `djangocon / 2017.djangocon.us`. The repository has 100 commits, 2 branches, 0 releases, 22 contributors, and 33 issues. The pull requests tab is selected, showing a list of 22 pull requests. The first pull request is titled "Merge pull request #233 from djangocon/fixing-type" and is authored by "ah-contrabasso". The pull request is currently open and has 1 comment. The table below lists the pull requests shown in the screenshot.

Author	Branch	Commit	Message	Created	Updated	Comments	Status
ah-contrabasso	fixing-type	4233	Small type	5 days ago	5 days ago	1	Open
ah-contrabasso	fixing-type	4232	Add support for end_date into layouts	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4231	Fixes resources to only show when there's data	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4230	Fixes sponsor description to include markdown and href styles	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4229	Fixing title type	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4228	Fixes footnotes	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4227	Made panel in header look the right size	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4226	Removes pages from sidebar.html	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4225	Creating new blog post for Django CMS workshop	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4224	Adds new contributors	5 days ago	5 days ago	0	Open
ah-contrabasso	fixing-type	4223	Clean up. Adds editorconfig and fixes CHAME issues	5 months ago	5 months ago	0	Open
ah-contrabasso	fixing-type	4222	Kills off footer	5 months ago	5 months ago	0	Open
ah-contrabasso	fixing-type	4221	Updates schedule styles	5 months ago	5 months ago	0	Open
ah-contrabasso	fixing-type	4220	Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into...	4 months ago	4 months ago	0	Open
ah-contrabasso	fixing-type	4219	Re-enables update-cc-certs	11 days ago	11 days ago	0	Open
ah-contrabasso	fixing-type	4218	Clean up. Adds editorconfig and fixes CHAME issues	5 months ago	5 months ago	0	Open
ah-contrabasso	fixing-type	4217	Adding additional email variables	4 months ago	4 months ago	0	Open
ah-contrabasso	fixing-type	4216	Updates main travel files	11 days ago	11 days ago	0	Open
ah-contrabasso	fixing-type	4215	Create LICENSE	7 months ago	7 months ago	0	Open
ah-contrabasso	fixing-type	4214	Adds a contributors badge to README	11 days ago	11 days ago	0	Open
ah-contrabasso	fixing-type	4213	Updates again	11 days ago	11 days ago	0	Open
ah-contrabasso	fixing-type	4212	Updates again and again and again	11 days ago	11 days ago	0	Open
ah-contrabasso	fixing-type	4211	Kills off footer	5 months ago	5 months ago	0	Open
ah-contrabasso	fixing-type	4210	Adds new contributors	24 days ago	24 days ago	0	Open

My Fork



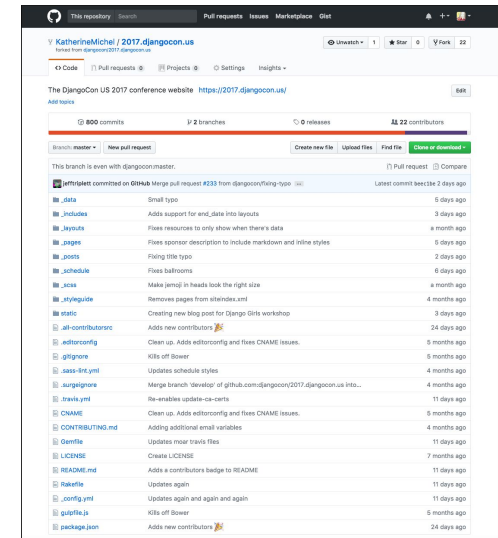
My Fork



Clone

Local Development Environment

My Fork



Push changes, including branches

My Fork

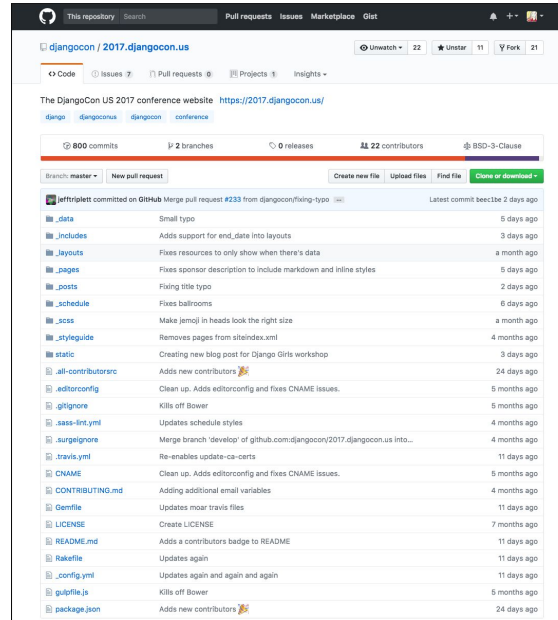


Push changes, including branches

Local Development Environment

Shared Repository

DjangoCon US Website Repo

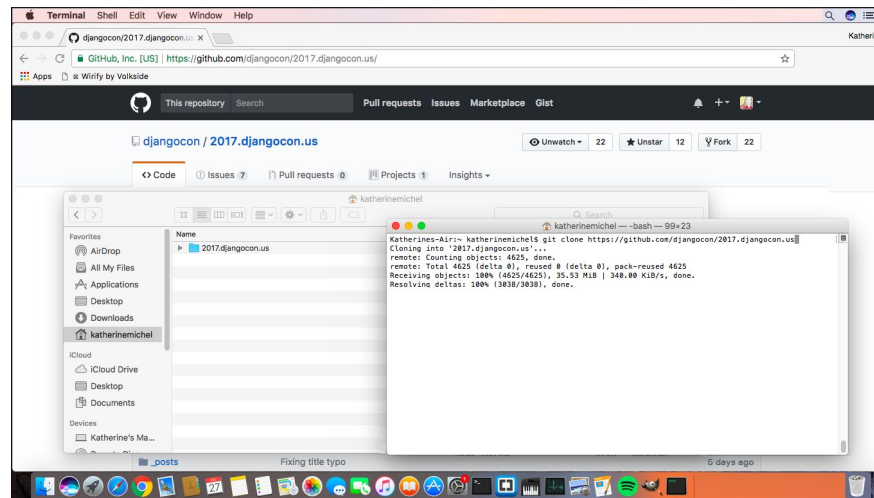
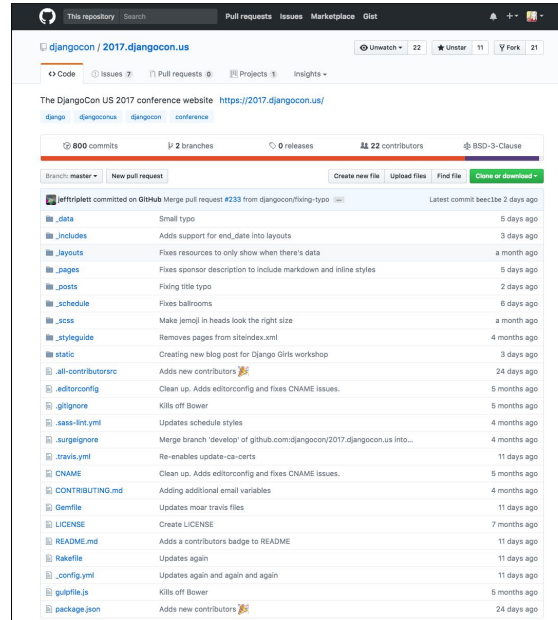


Shared Repository

DjangoCon US
Website Repo

Remote origin

Clone



Local
Development
Environment

Shared Repository

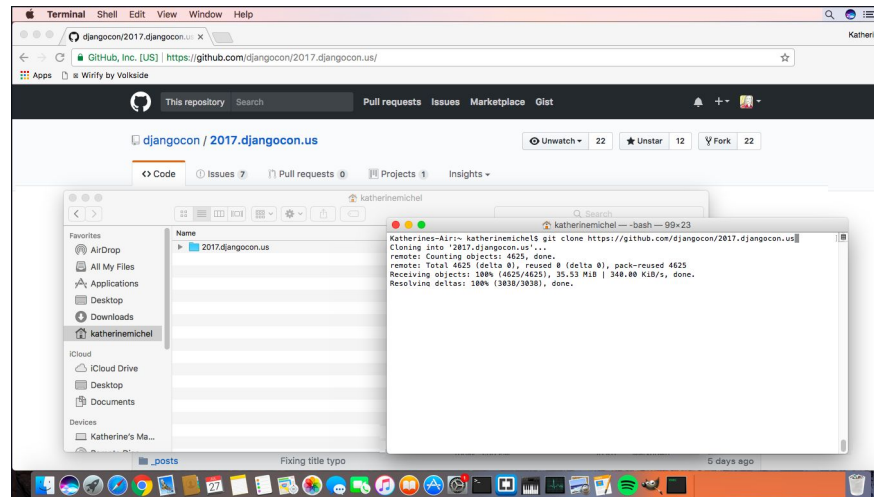
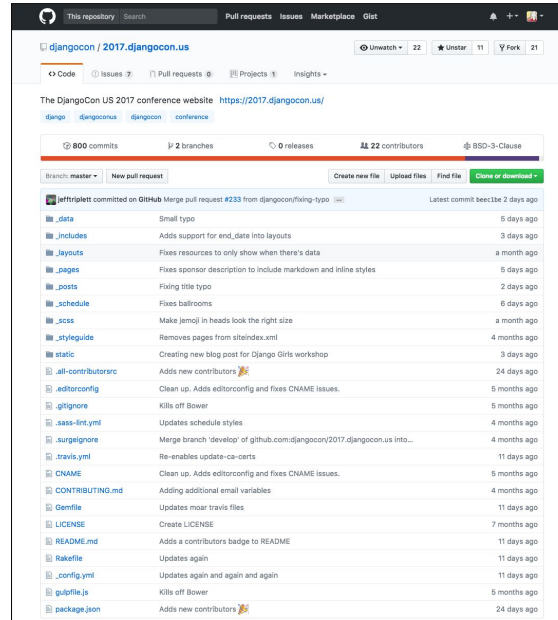
DjangoCon US
Website Repo

Remote origin

Clone

Push
branches,
submit
pull requests

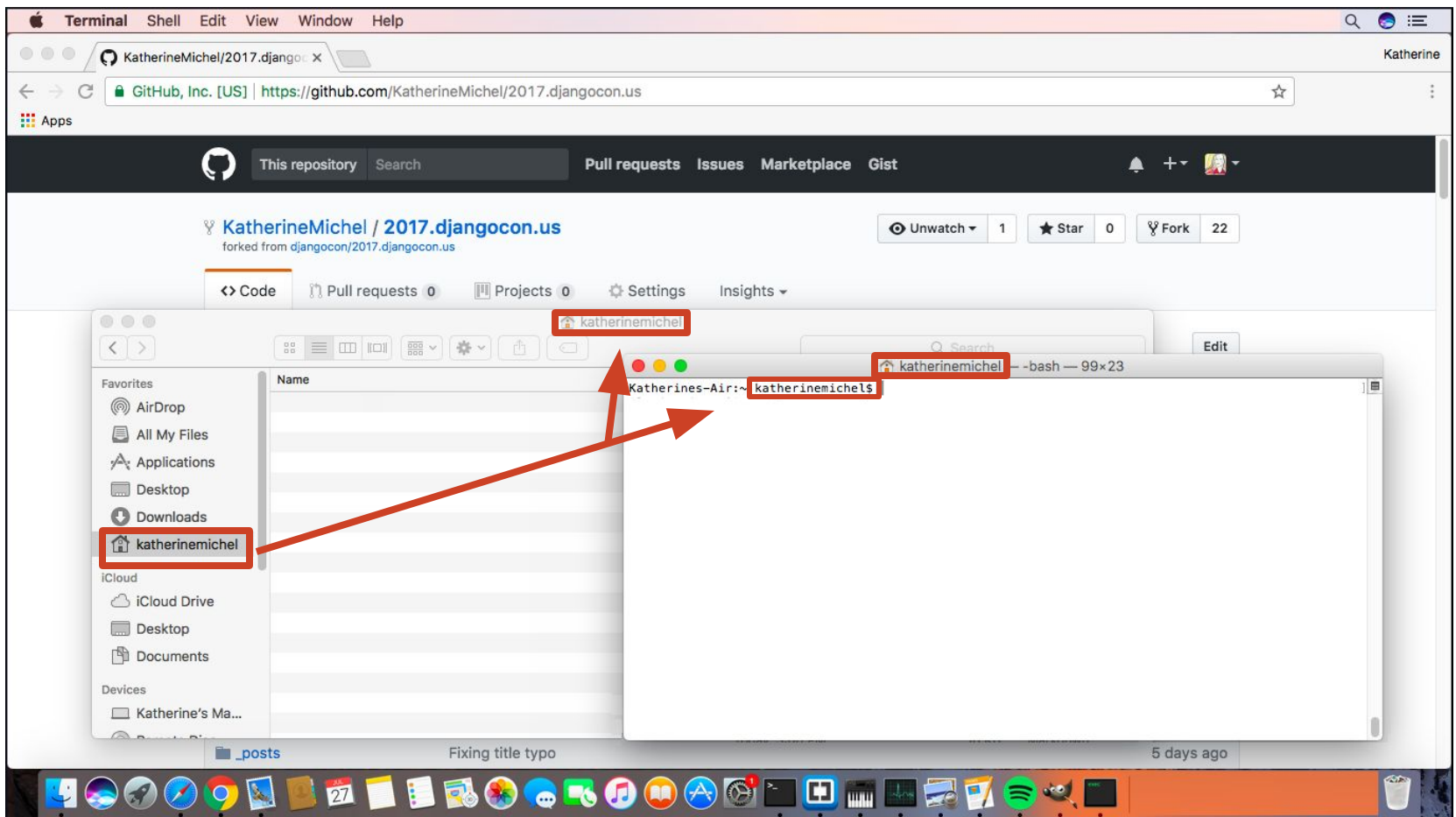
Can push
or pull
because of
write
permission,
No fork
needed



Local
Development
Environment

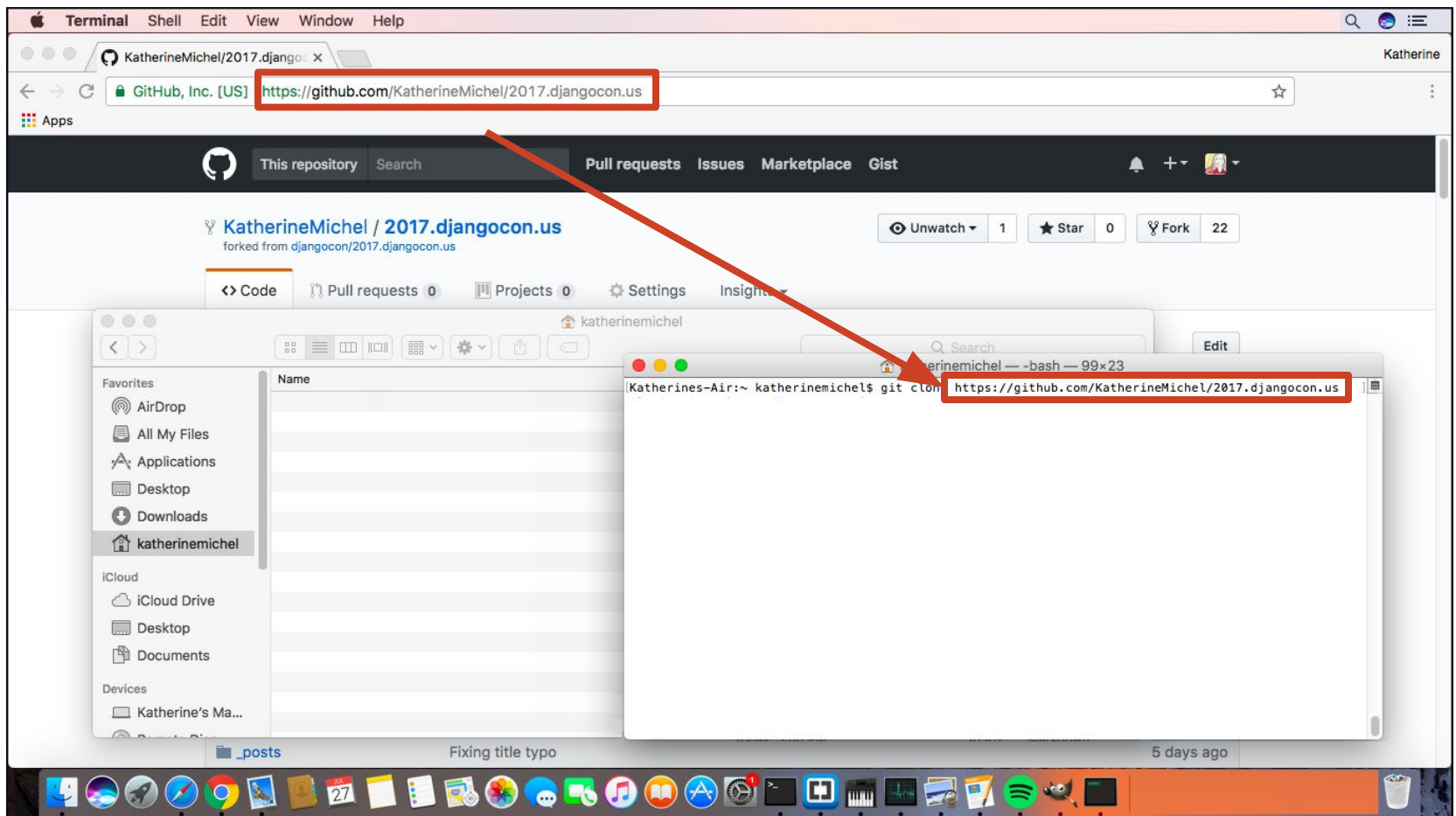
Local Dev Environment

Working within home directory: katherinemichel



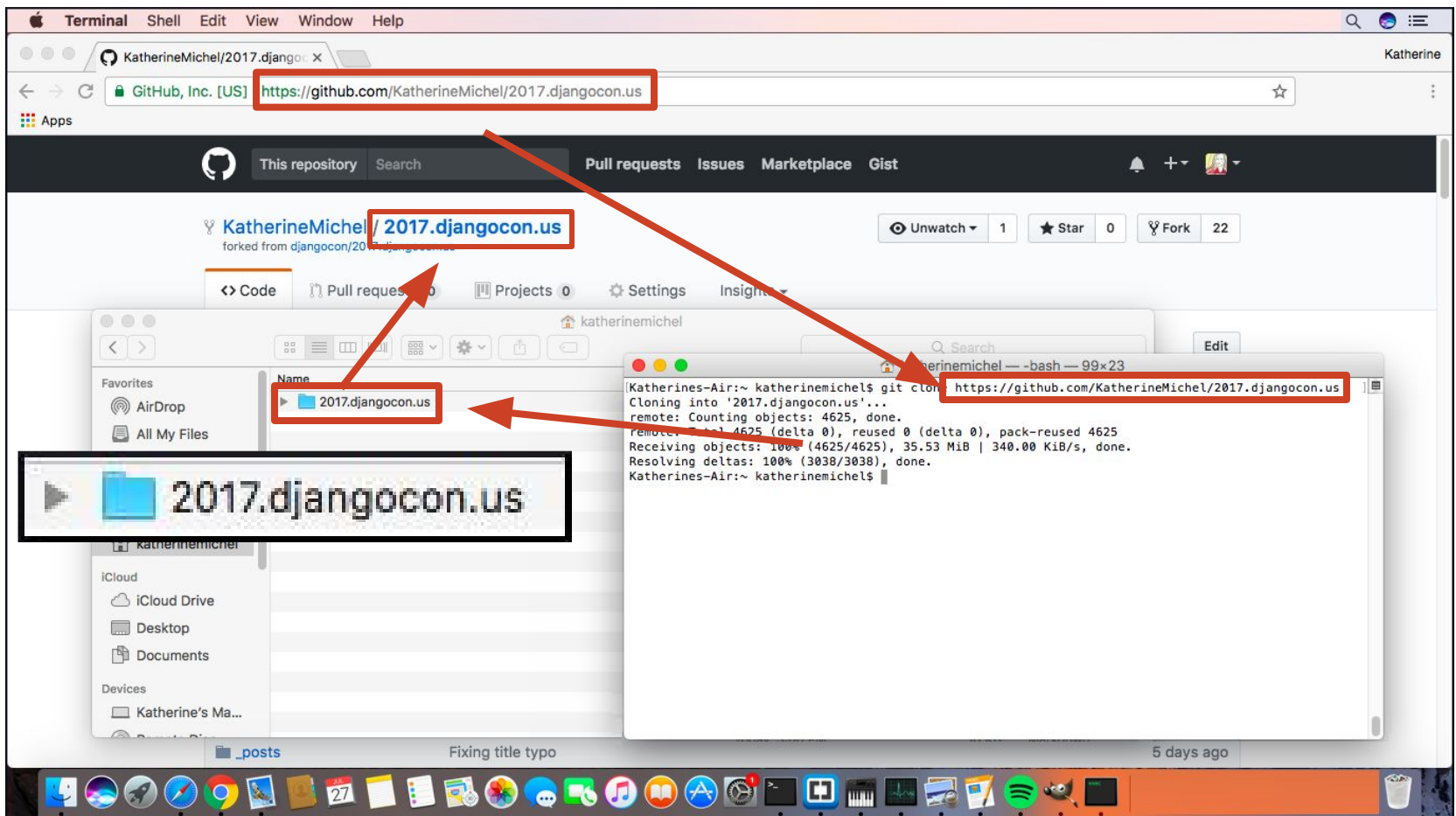
Cloning

```
$ git clone https://github.com/KatherineMichel/2017.djangocon.us
```



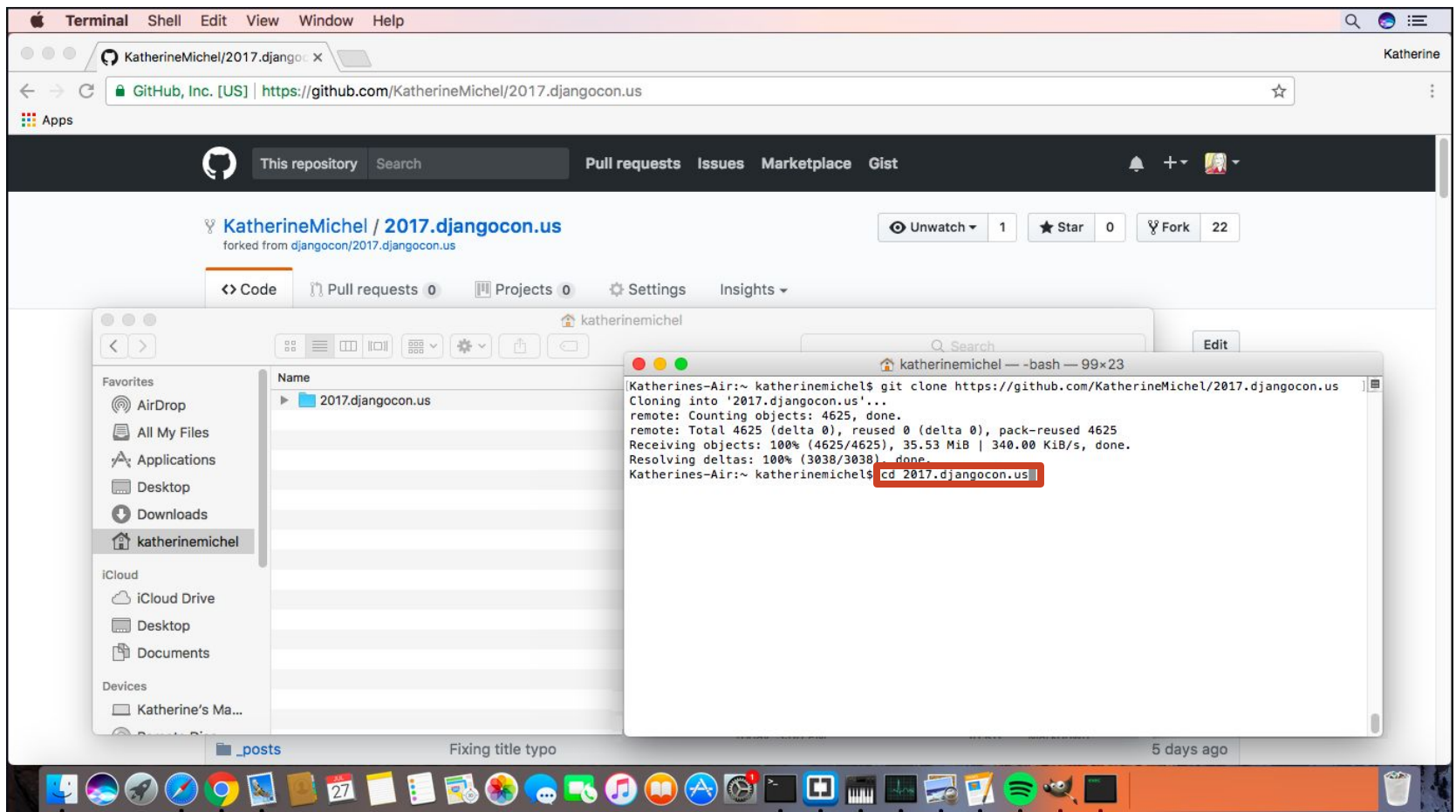
Cloning

\$ git clone https://github.com/KatherineMichel/2017.djangocon.us



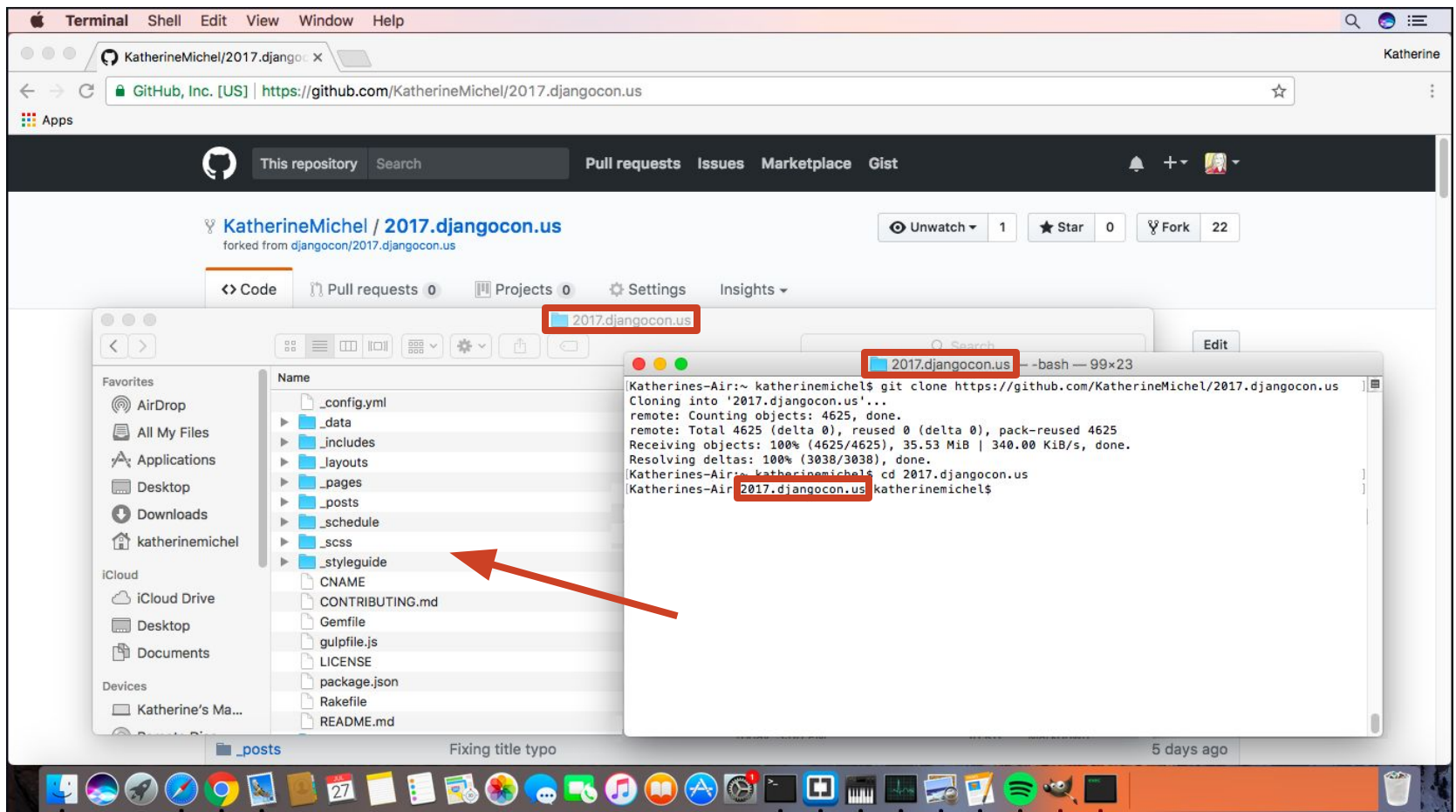
Changing Directory

```
$ cd 2017.djangocon.us
```



Changing Directory

Working within new directory: 2017.djangocon.us



GitHub Repo Versus Local Directory

DjangoCon US GitHub Repo

Local Directory

Name	Date Modified	Size
_config.yml	Today, 1:53 AM	2 KB
_data	Today, 1:53 AM	--
_includes	Today, 1:53 AM	--
_layouts	Today, 1:53 AM	--
_pages	Today, 1:53 AM	--
_posts	Today, 1:53 AM	--
_schedule	Today, 1:53 AM	--
_scss	Today, 1:53 AM	--
_styleguide	Today, 1:53 AM	--
CNAME	Today, 1:53 AM	18 bytes
CONTRIBUTING.md	Today, 1:53 AM	3 KB
Gemfile	Today, 1:53 AM	608 bytes
gulpfile.js	Today, 1:53 AM	974 bytes
LICENSE	Today, 1:53 AM	2 KB
package.json	Today, 1:53 AM	1 KB
Rakefile	Today, 1:53 AM	472 bytes
README.md	Today, 1:56 AM	10 KB
static	Today, 1:53 AM	--

GitHub Commit Details:

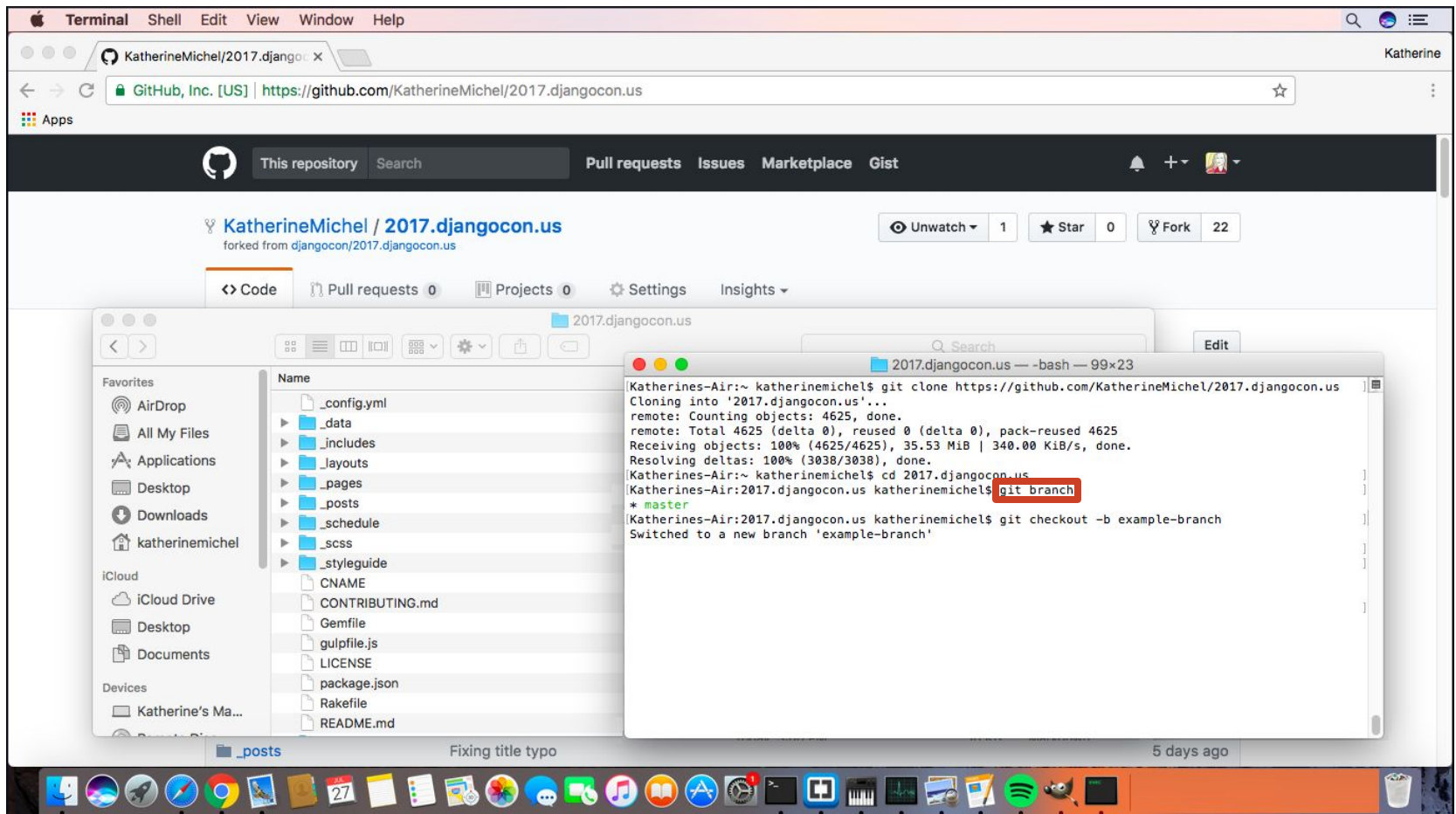
- willin committed on GitHub Merge pull request #230 from djangocon/heroku-fix
- Latest commit d586h2R 7 hours ago

Commit History:

File	Description	Time Ago
CONTRIBUTING.md	Adding additional email variables	4 months ago
CNAME	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
.travis.yml	Re-enables update-ca-certs	6 days ago

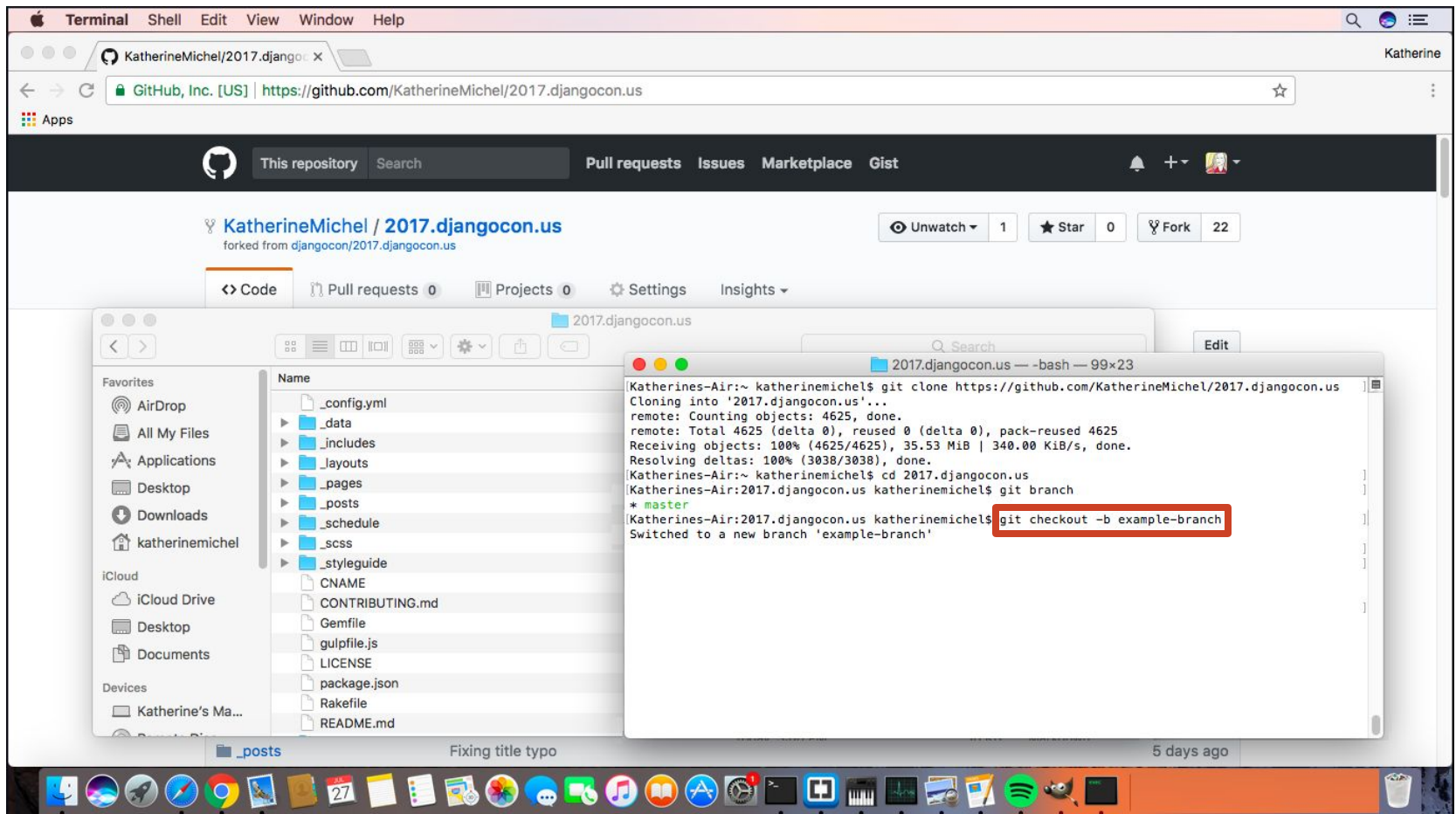
Verifying Branch

\$ git branch

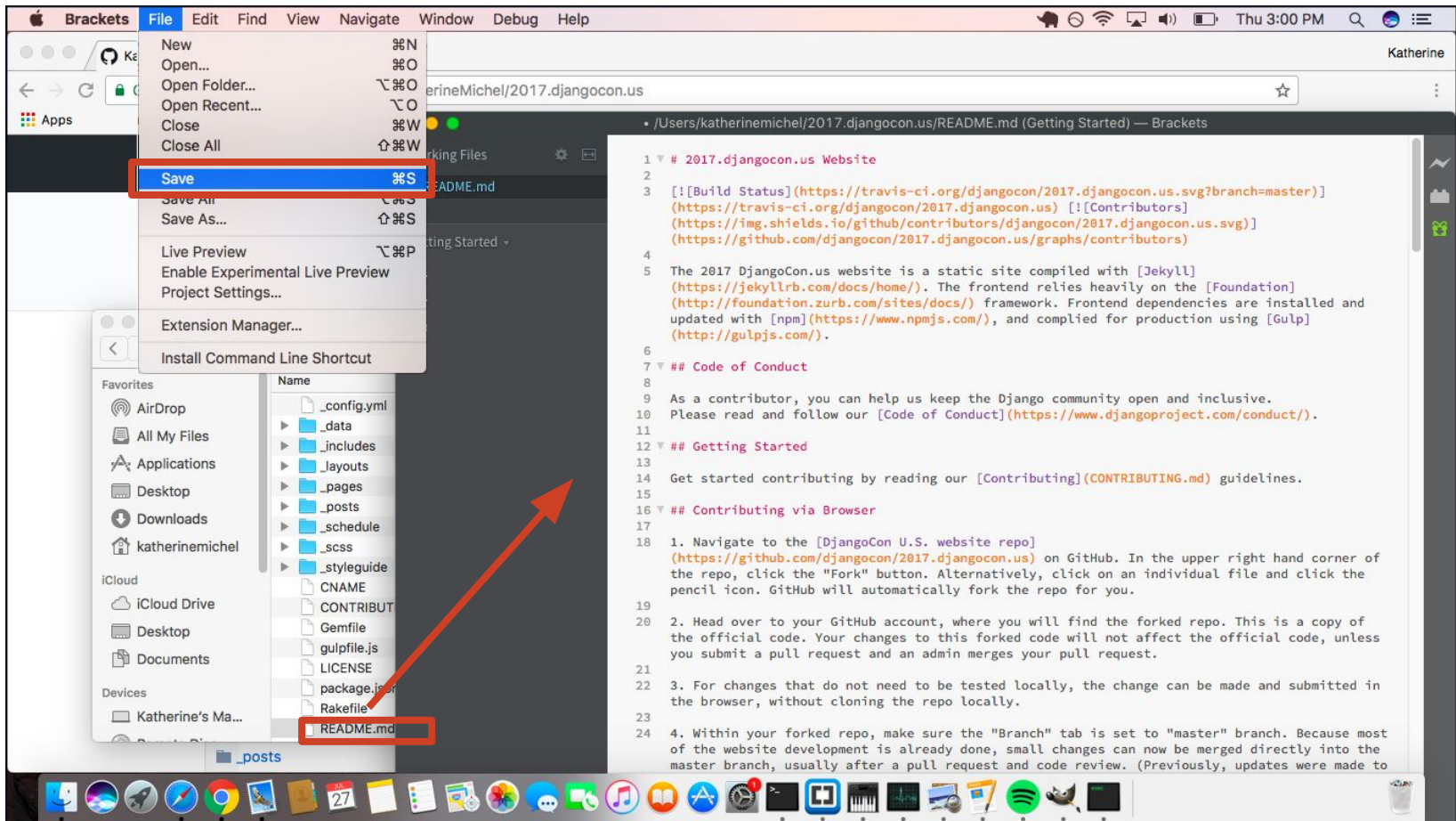


Creating a New Branch

`$ git checkout -b example-branch`



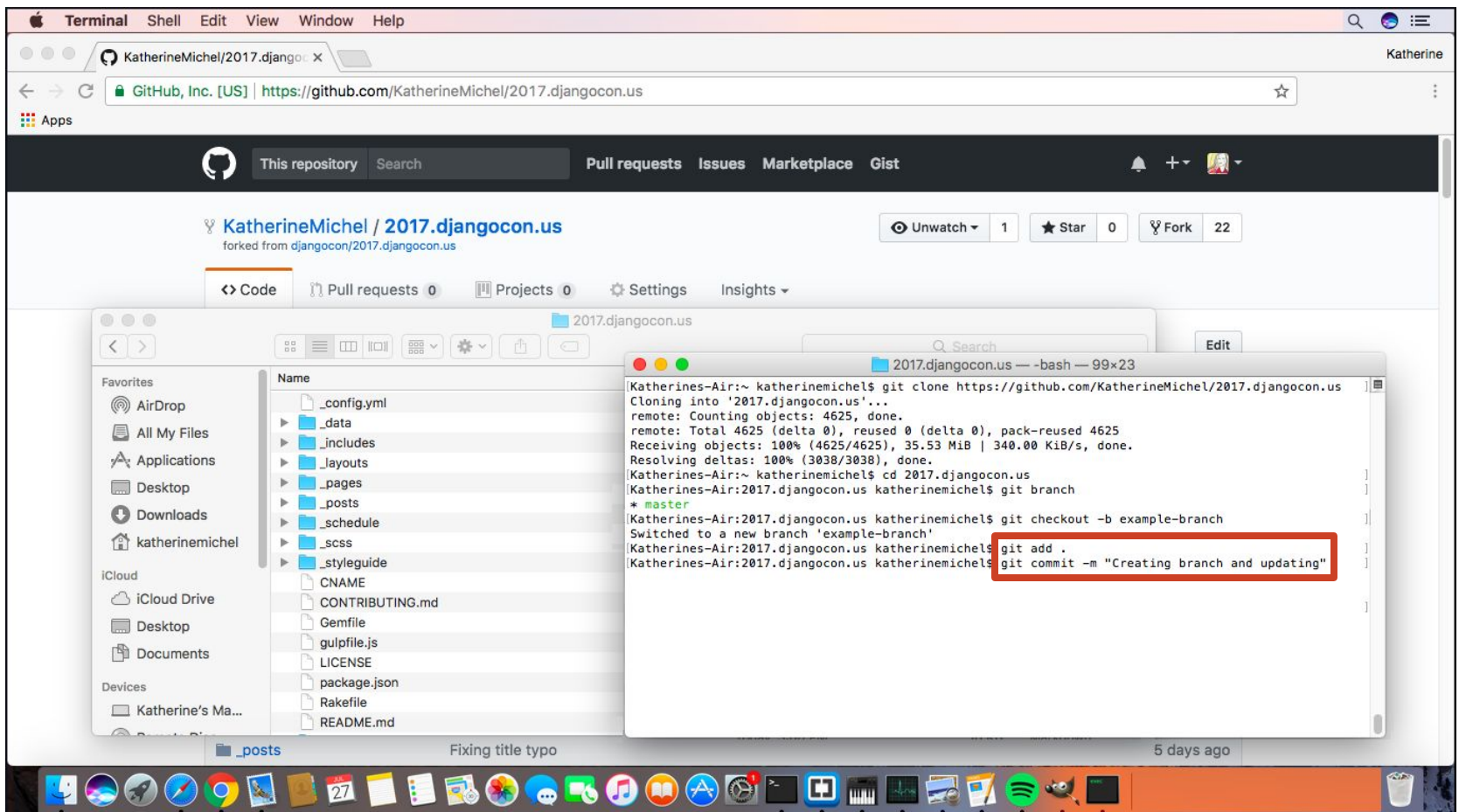
Working on a File Locally



Adding and Committing

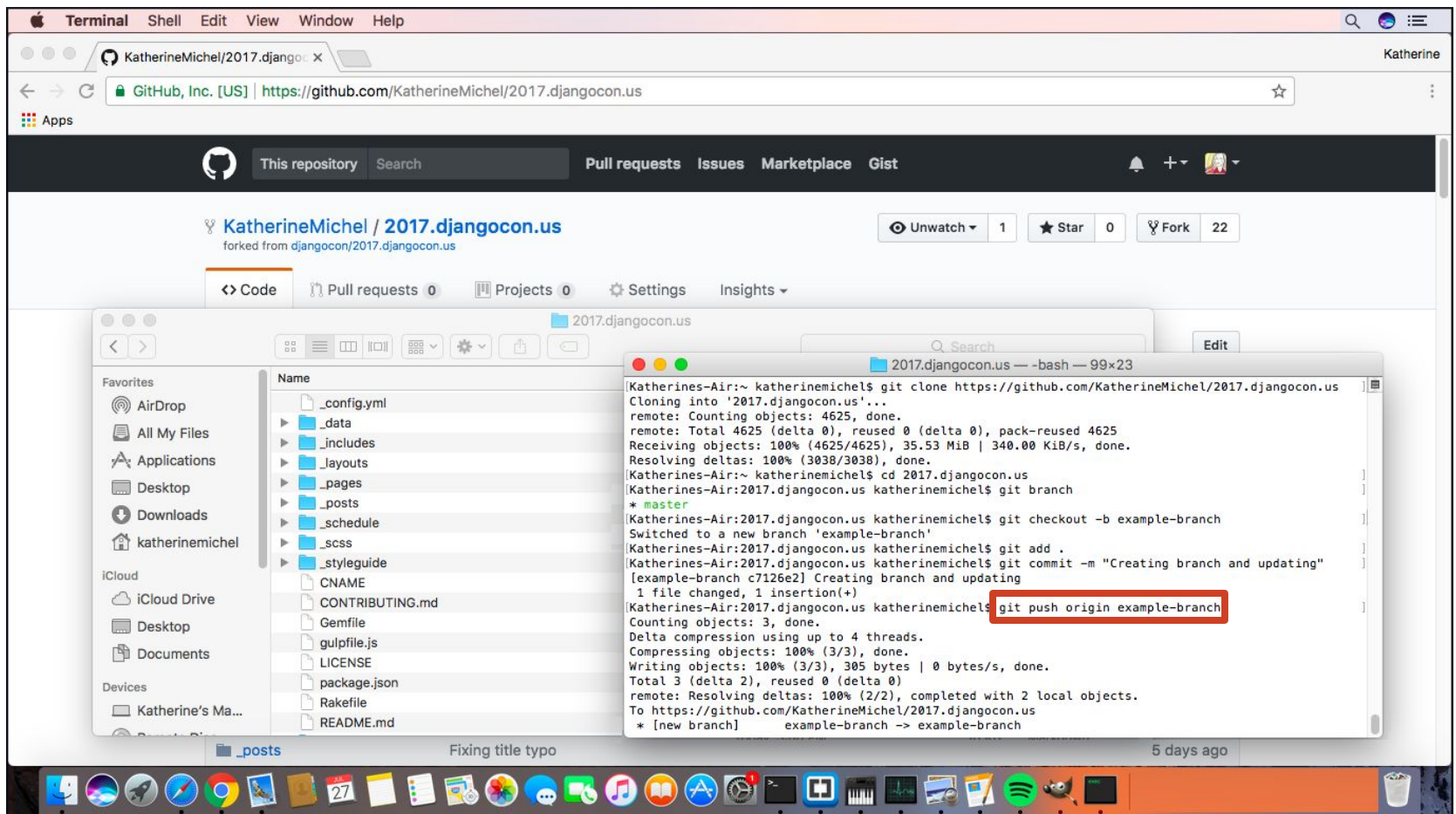
```
$ git add .
```

```
$ git commit -m "Creating branch and updating"
```



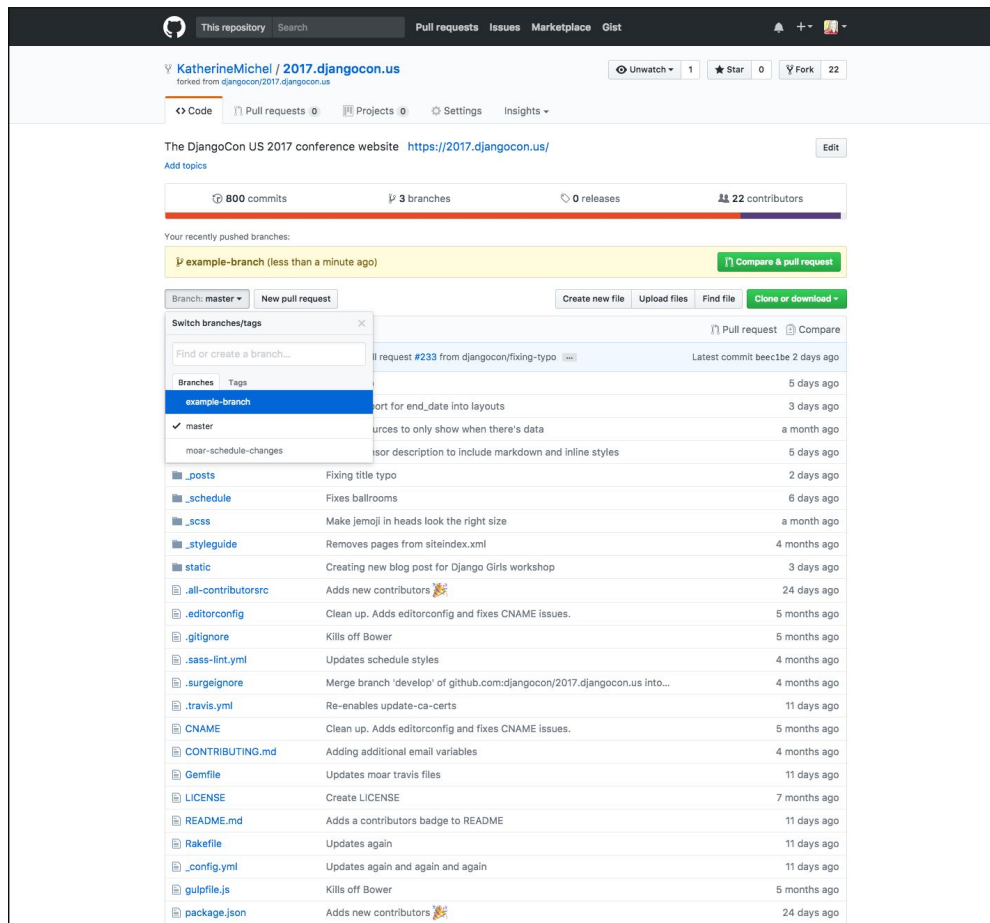
Pushing

\$ git push origin example-branch



New Branch

Branch Tab



The screenshot shows the GitHub repository page for **KatherineMichel / 2017.djangocon.us**, which is a fork of `djangocon/2017.djangocon.us`. The repository has 800 commits, 3 branches, 0 releases, and 22 contributors. The **Branch** tab is selected, displaying a list of branches. A modal window titled "Switch branches/tags" is open, showing a search bar and a list of branches. The **example-branch** is highlighted in the list.

Repository statistics:

- 800 commits
- 3 branches
- 0 releases
- 22 contributors

Your recently pushed branches:

- example-branch** (less than a minute ago) [Compare & pull request](#)

Branch: master [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#)

Switch branches/tags

Find or create a branch...

Branches Tags

- example-branch**
- ✓ master
- moar-schedule-changes

Branch	Commit	Latest commit	Time ago
example-branch	request #233 from djangocon/fixing-typo	bee1be	2 days ago
master	port for end_date into layouts		5 days ago
moar-schedule-changes	sources to only show when there's data		3 days ago
static	editor description to include markdown and inline styles		a month ago
static	Fixing title typo		6 days ago
static	Fixes ballrooms		6 days ago
static	Make jemoji in heads look the right size		6 days ago
static	Removes pages from siteindex.xml		a month ago
static	Creating new blog post for Django Girls workshop		4 months ago
static	Adds new contributors		3 days ago
static	Clean up. Adds editorconfig and fixes CNAME issues.		24 days ago
static	Kills off Bower		5 months ago
static	Updates schedule styles		5 months ago
static	Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into...		4 months ago
static	Re-enables update-ca-certs		4 months ago
static	Clean up. Adds editorconfig and fixes CNAME issues.		11 days ago
static	Adding additional email variables		5 months ago
static	Updates moar travis files		4 months ago
static	Create LICENSE		11 days ago
static	Adds a contributors badge to README		7 months ago
static	Updates again		11 days ago
static	Updates again and again and again		11 days ago
static	Kills off Bower		11 days ago
static	Adds new contributors		5 months ago
static			24 days ago

New Branch

Branch Tab

New Branch

This screenshot shows the 'Branches' tab of a GitHub repository. The repository is 'KatherineMichel / 2017.djangocon.us', forked from 'djangocon/2017.djangocon.us'. It has 800 commits, 3 branches, 0 releases, and 22 contributors. The 'example-branch' is highlighted in a blue box, and a red arrow points from it to the 'New Branch' section of the right-hand screenshot.

Branches

Branch	Latest commit	Time ago
example-branch	example-branch	less than a minute ago
master	example-branch	less than a minute ago

Tags

Tag	Latest commit	Time ago
example-branch	example-branch	less than a minute ago

Files

File	Latest commit	Time ago
.editorconfig	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
.gitignore	Kills off Bower	5 months ago
.sass-lint.yml	Updates schedule styles	4 months ago
.surgeignore	Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into...	4 months ago
.travis.yml	Re-enables update-ca-certs	11 days ago
CNAME	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
CONTRIBUTING.md	Adding additional email variables	4 months ago
Gemfile	Updates moar travis files	11 days ago
LICENSE	Create LICENSE	7 months ago
README.md	Adds a contributors badge to README	11 days ago
Rakefile	Updates again	11 days ago
_config.yml	Updates again and again and again	11 days ago
gulpfile.js	Kills off Bower	5 months ago
package.json	Adds new contributors	24 days ago

This screenshot shows the 'New Branch' section of a GitHub repository. The repository is 'KatherineMichel / 2017.djangocon.us', forked from 'djangocon/2017.djangocon.us'. It has 801 commits, 3 branches, 0 releases, and 22 contributors. The 'example-branch' is highlighted in a blue box, and a red arrow points from it to the 'New Branch' section of the right-hand screenshot.

Branches

Branch	Latest commit	Time ago
example-branch	example-branch	less than a minute ago
master	example-branch	less than a minute ago

Tags

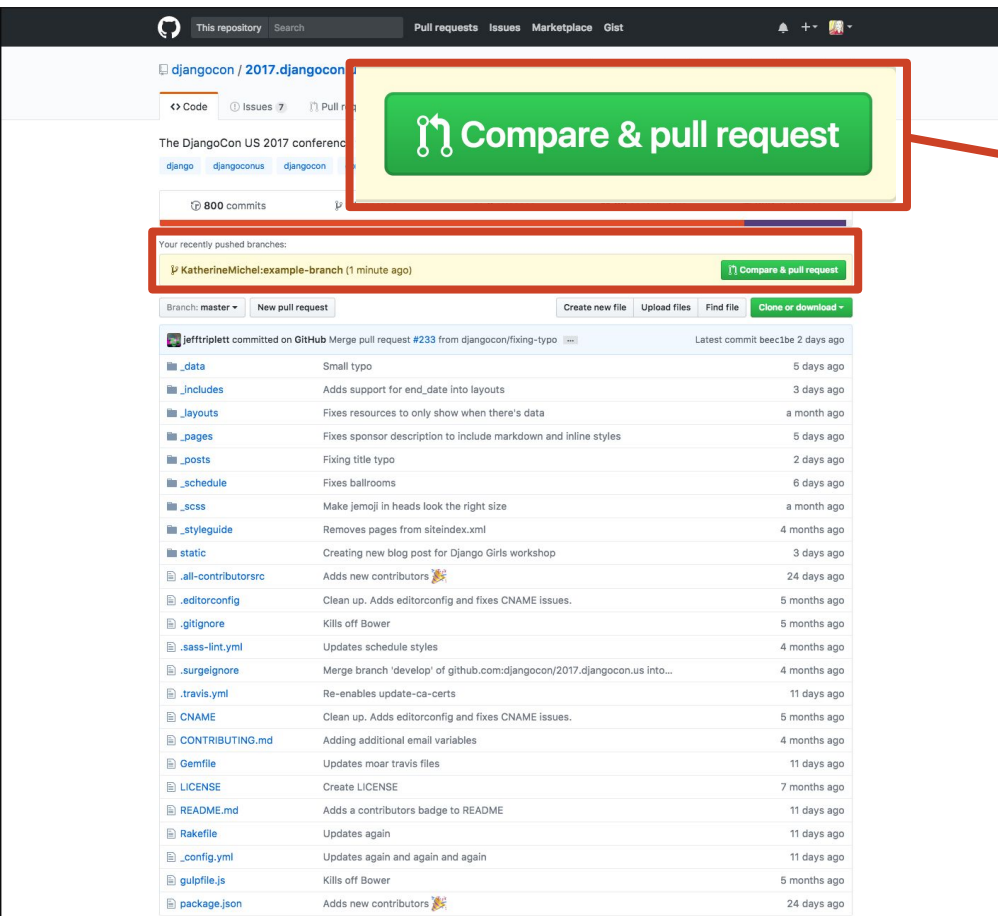
Tag	Latest commit	Time ago
example-branch	example-branch	less than a minute ago

Files

File	Latest commit	Time ago
.data	Small typo	5 days ago
.includes	Adds support for end_date into layouts	3 days ago
.layouts	Fixes resources to only show when there's data	a month ago
.pages	Fixes sponsor description to include markdown and inline styles	5 days ago
.posts	Fixing title typo	2 days ago
.schedule	Fixes ballrooms	6 days ago
.scss	Make jemoj in heads look the right size	a month ago
.styleguide	Removes pages from siteindex.xml	4 months ago
.static	Creating new blog post for Django Girls workshop	3 days ago
.all-contributorsrc	Adds new contributors	24 days ago
.editorconfig	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
.gitignore	Kills off Bower	5 months ago
.sass-lint.yml	Updates schedule styles	4 months ago
.surgeignore	Merge branch 'develop' of github.com:djangocon/2017.djangocon.us into...	4 months ago
.travis.yml	Re-enables update-ca-certs	11 days ago
CNAME	Clean up. Adds editorconfig and fixes CNAME issues.	5 months ago
CONTRIBUTING.md	Adding additional email variables	4 months ago
Gemfile	Updates moar travis files	11 days ago
LICENSE	Create LICENSE	7 months ago
README.md	Creating branch and making a change	a minute ago
Rakefile	Updates again	11 days ago
_config.yml	Updates again and again and again	11 days ago
gulpfile.js	Kills off Bower	5 months ago
package.json	Adds new contributors	24 days ago

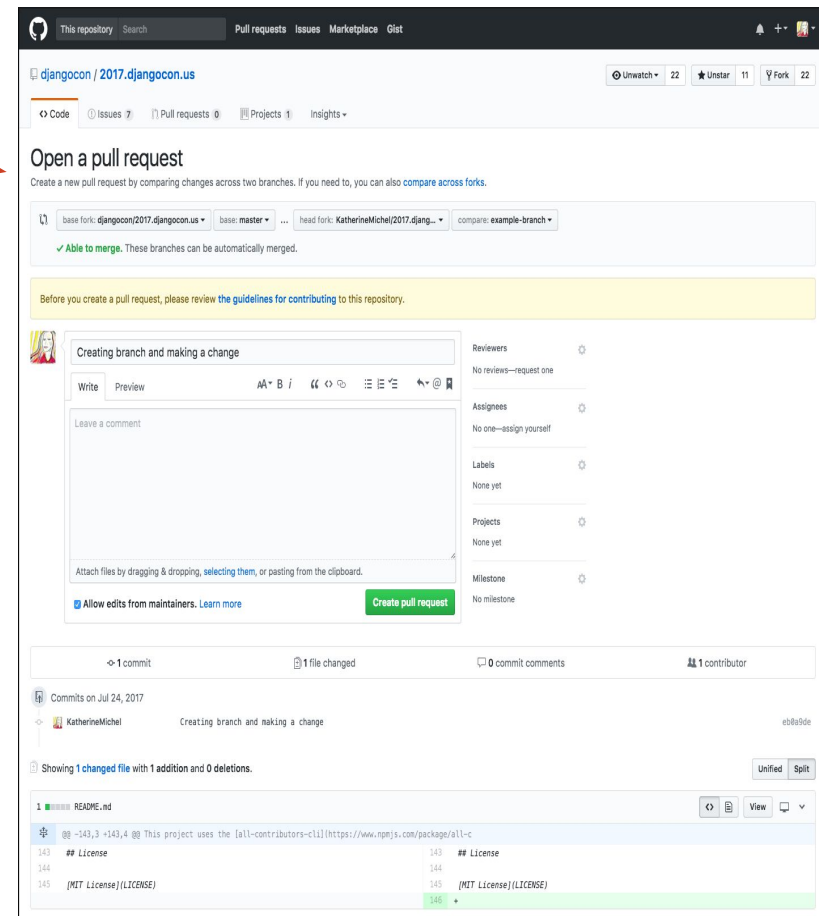
Submit a Pull Request

DjangoCon US Website Repo



This screenshot shows the GitHub repository page for 'djangocon / 2017.djangocon.us'. A red box highlights the 'Compare & pull request' button, which is a green button with a white fork icon and the text 'Compare & pull request'. Another red box highlights the 'Your recently pushed branches' section, which shows a branch named 'KatherineMichel:example-branch' (1 minute ago) with a green 'Compare & pull request' button next to it. Below these, a list of files and their commit history is visible, including files like '_data', '_includes', '_layouts', '_pages', '_posts', '_schedule', '_scss', '_styleguide', 'static', '.all-contributorsrc', '.editorconfig', '.gitignore', '.sass-lint.yml', '.surgeignore', '.travis.yml', 'CNAME', 'CONTRIBUTING.md', 'Gemfile', 'LICENSE', 'README.md', 'Rakefile', '_config.yml', 'gulpfile.js', and 'package.json'.

Creating a New Pull Request

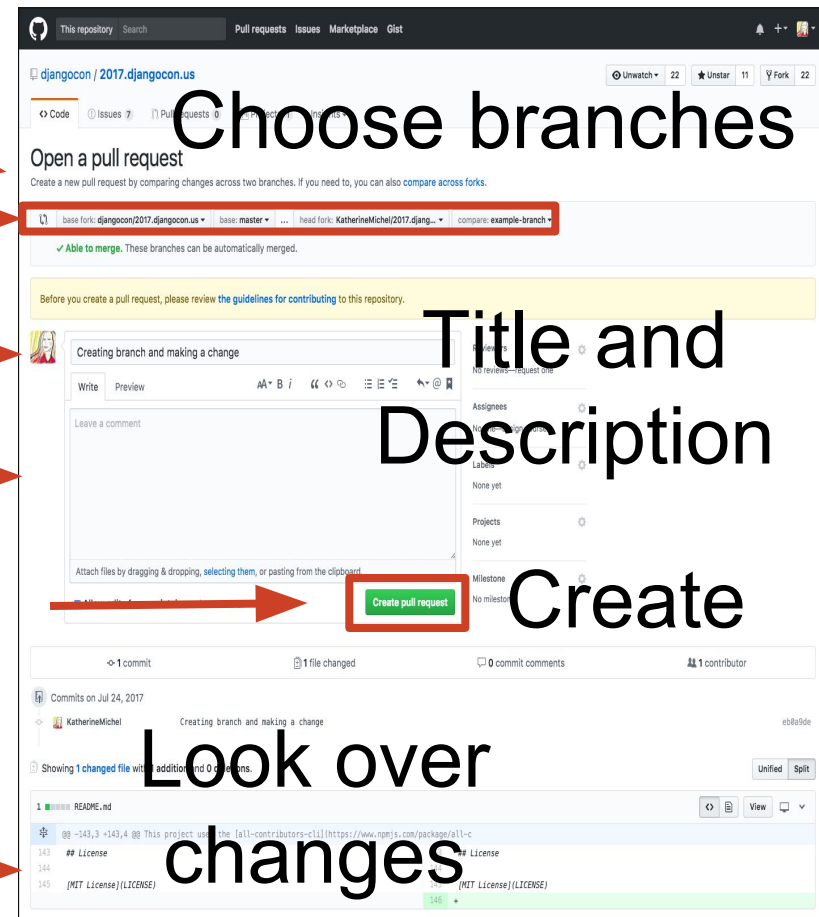
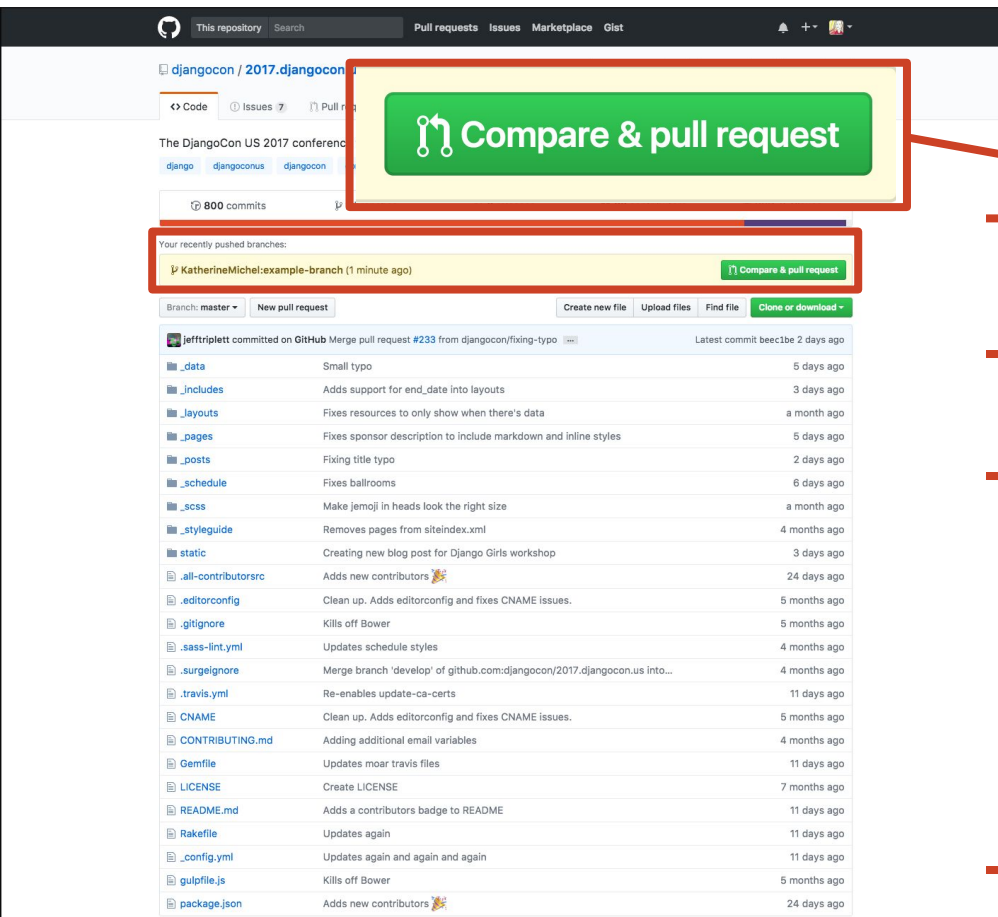


This screenshot shows the 'Open a pull request' page on GitHub. The page title is 'Open a pull request' and it says 'Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).' Below this, there is a section 'Before you create a pull request, please review the [guidelines for contributing](#) to this repository.' The main content area is titled 'Creating branch and making a change' and has a 'Write' tab selected. It shows a 'Leave a comment' box and a 'Create pull request' button. On the right side, there are sections for 'Reviewers', 'Assignees', 'Labels', 'Projects', and 'Milestone', each with a dropdown menu. At the bottom, there is a section for 'Commits on Jul 24, 2017' showing a commit by 'KatherineMichel' titled 'Creating branch and making a change'. Below this, it says 'Showing 1 changed file with 1 addition and 0 deletions.' and shows a diff for the file 'README.md'.

Submit a Pull Request

DjangoCon US Website Repo

Creating a New Pull Request



Section 3

- Determine which collaboration approach to use
 - Clone a repo into our local development environment, create a feature branch, make a change, push the branch to the GitHub repo, and submit a pull request
- Review the two different types of pull request branches as a maintainer

Pull Request Review Process

The screenshot shows a GitHub Pull Request page for a repository named 'KatherineMichel/2017.djangocon.us'. The pull request is titled 'Creating branch and updating #1' and is from the 'example-branch' to the 'master' branch. The interface includes a top navigation bar with tabs for 'Code', 'Pull requests' (selected), 'Projects', 'Settings', and 'Insights'. Below the navigation bar, the pull request title and a brief description are shown. A red box highlights the 'Files changed' tab, which shows '1' file changed. Another red box highlights the 'Title and Description' section, which contains the pull request title and a comment by KatherineMichel. A green box highlights the 'Merge pull request' button, which is accompanied by a message stating 'This branch has no conflicts with the base branch'. The right sidebar contains sections for 'Reviewers', 'Assignees', 'Labels', 'Projects', 'Milestone', and 'Notifications'. The bottom of the page shows a comment input area with a 'Write' button and a 'Preview' button.

Look over changes

Title and Description

Creating branch and updating #1

KatherineMichel wants to merge 1 commit into master from example-branch

Files changed 1

KatherineMichel commented a minute ago

No description provided.

Creating branch and updating 4ffcf06

Add more commits by pushing to the example-branch branch on KatherineMichel/2017.djangocon.us.

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also open this in GitHub Desktop or view command line instructions.

Write Preview

Leave a comment

Unsubscribe

Pull Request Review Process

The screenshot shows a GitHub Pull Request page for a repository named 'KatherineMichel/2017.djangocon.us'. The pull request is titled 'Creating branch and updating #1' and is from the 'example-branch' to the 'master' branch. The interface includes a top navigation bar with tabs for 'Code', 'Pull requests' (selected), 'Projects', 'Settings', and 'Insights'. Below the navigation bar, the pull request title and a green 'Open' button are visible. A summary bar shows 'Conversation 0', 'Commits 1', and 'Files changed 1' (the latter is highlighted with a red box). The main content area features a comment from 'KatherineMichel' with the text 'No description provided.' and a commit preview for 'Creating branch and updating' (highlighted with a red box). A green box contains a conflict check message: 'This branch has no conflicts with the base branch. Merging can be performed automatically.' Below this, a green 'Merge pull request' button (highlighted with a red box) is shown, along with a link to 'command line instructions' (also highlighted with a red box). The right sidebar includes sections for 'Reviewers', 'Assignees', 'Labels', 'Projects', 'Milestones', and 'Notifications'. At the bottom, there is a 'Write' section for leaving a comment and a 'Preview' section. The text 'Look over changes' is overlaid on the top right, 'Title and Description' is overlaid on the comment section, 'Merge button' is overlaid on the merge button, and 'Command line instructions' is overlaid on the link.

Look over changes

Title and Description

Merge button

Command line instructions

Pull Request Command Line

Merge pull request

the command line instructions.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#)

Merging via command line

If you do not want to use the merge button or an automatic merge cannot be performed, you can perform a manual merge on the command line.

HTTPS Git Patch <https://github.com/KatherineMichel/2017.djangocon.us.git>

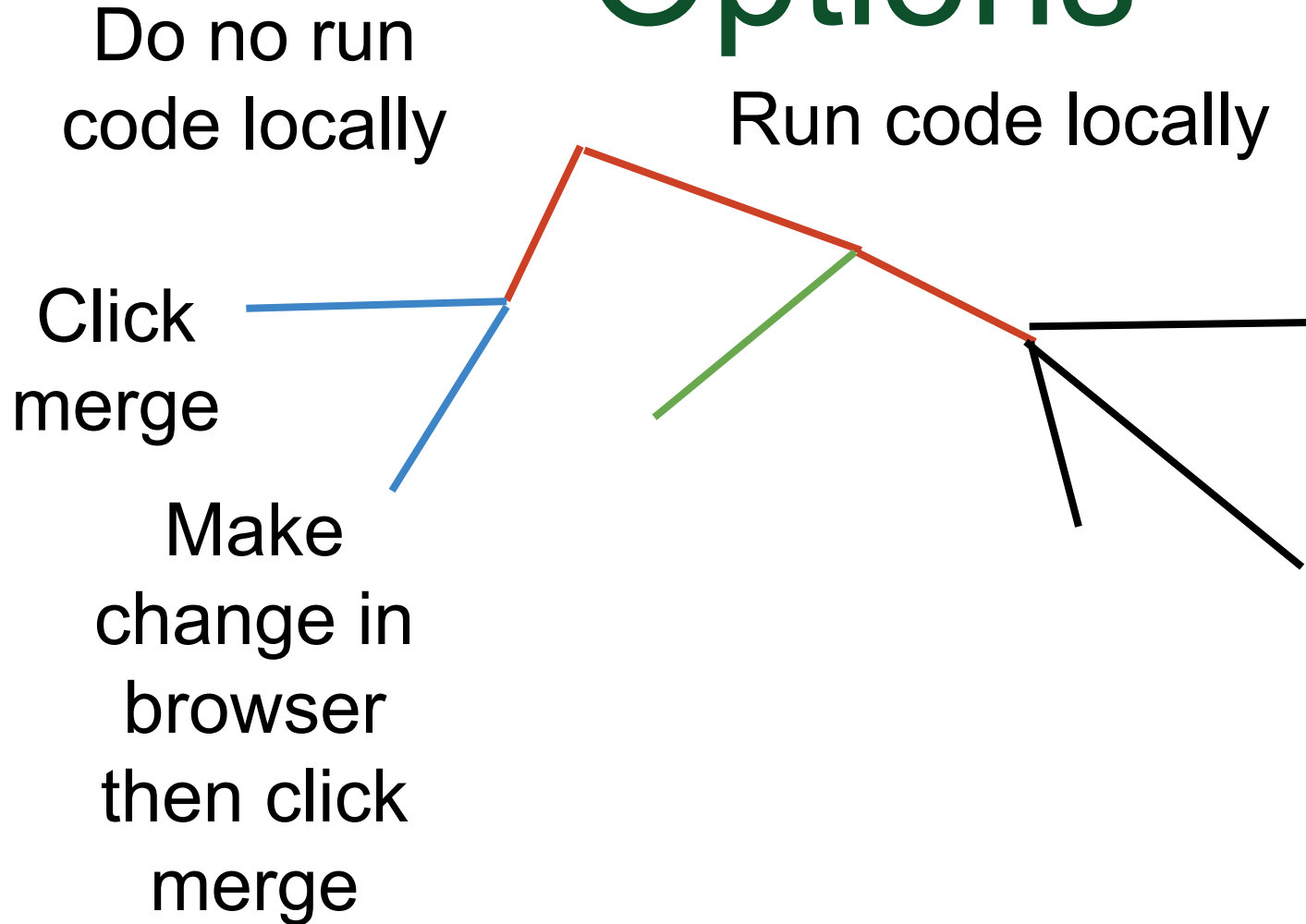
Step 1: From your project repository, bring in the changes and test.

```
git fetch origin  
git checkout -b example-branch origin/example-branch  
git merge master
```

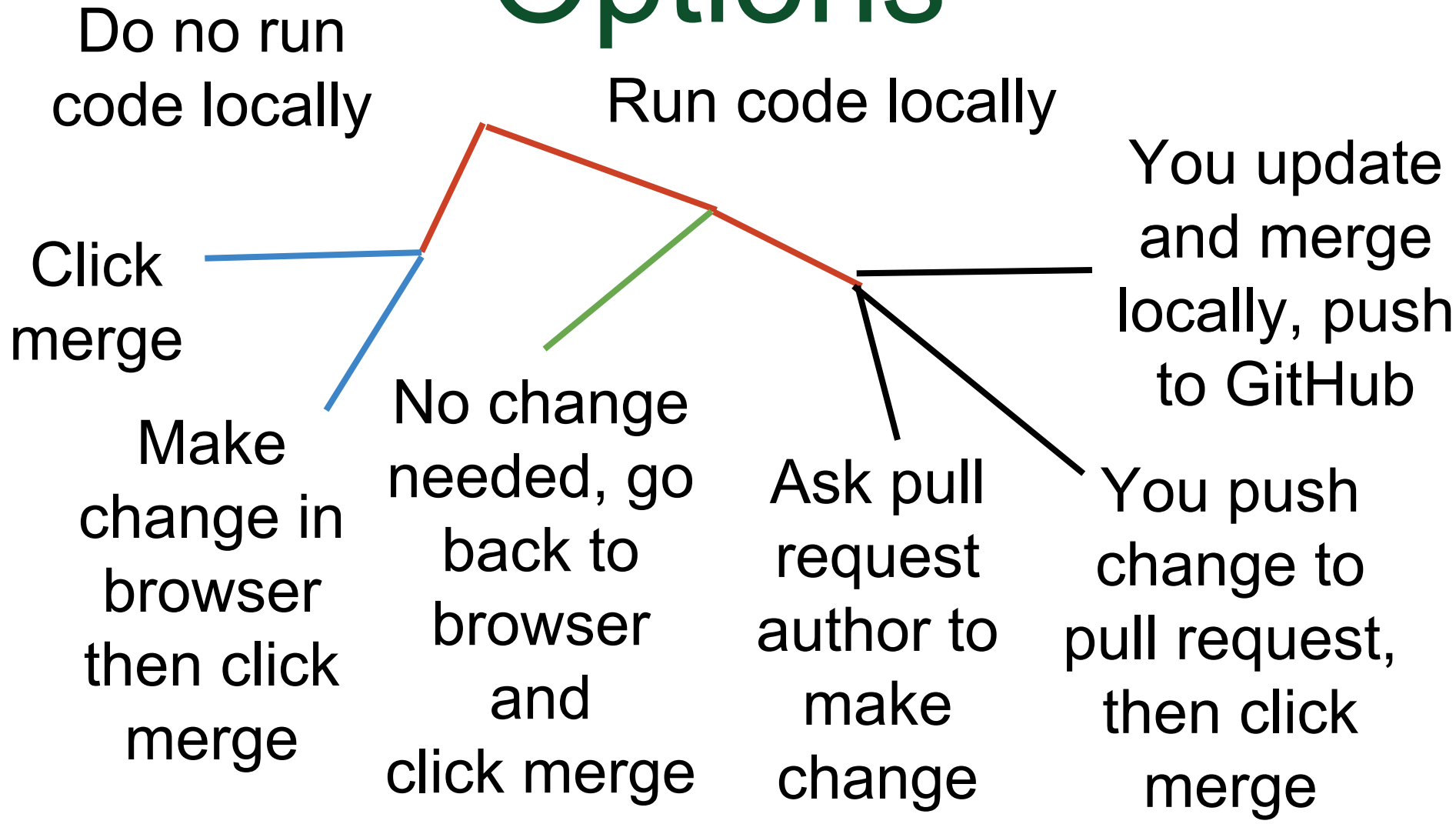
Step 2: Merge the changes and update on GitHub.

```
git checkout master  
git merge --no-ff example-branch  
git push origin master
```

Pull Request Review Options



Pull Request Review Options



Pull Request Branches

DjangoCon US Website Repo

remote origin

git fetch origin

pull request
branch

<remote>/<branch>

.git
folder

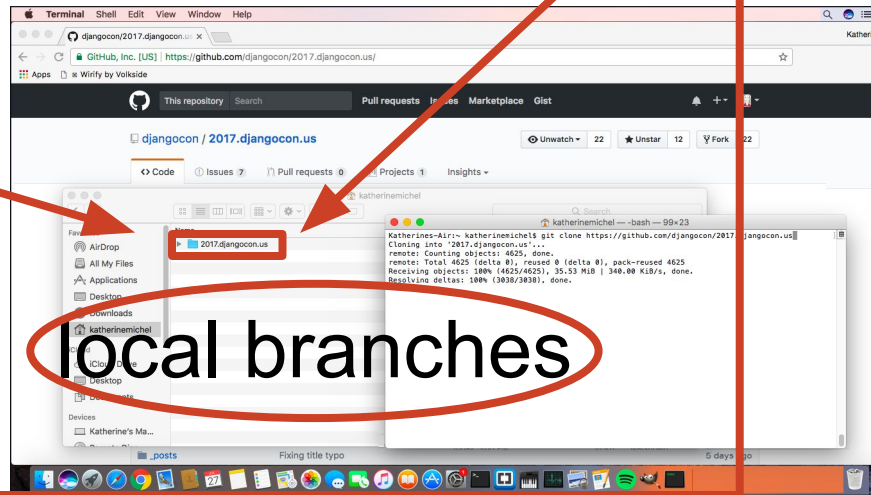
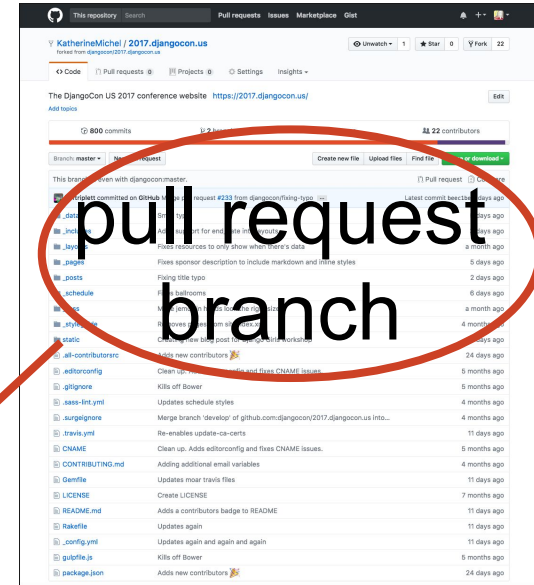
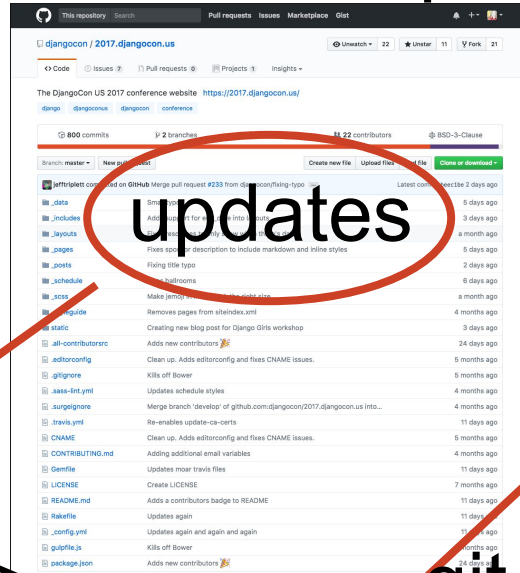
local branches

Fork

pull request
branch

git pull <url> <branch>

Write
permission
granted to pull
request as
maintainers



Pull Request Review

Shared Repo Branch

```
$ git fetch origin  
$ git checkout -b <branch-name> origin/<branch-name>  
$ git merge master  
  
$ git push origin <branch-name>
```

Forked Repo Branch

```
$ git checkout -b <branch-name> master  
$ git pull https://github.com/<user-name>/<repo-name> <branch-name>  
  
$ git push https://github.com/<user-name>/<repo-name> <branch-name>
```


Merge Pull Request Locally and Push to Master Branch

```
$ git checkout master  
$ git merge --no-ff <branch-name>  
$ git push origin master
```

Section 4

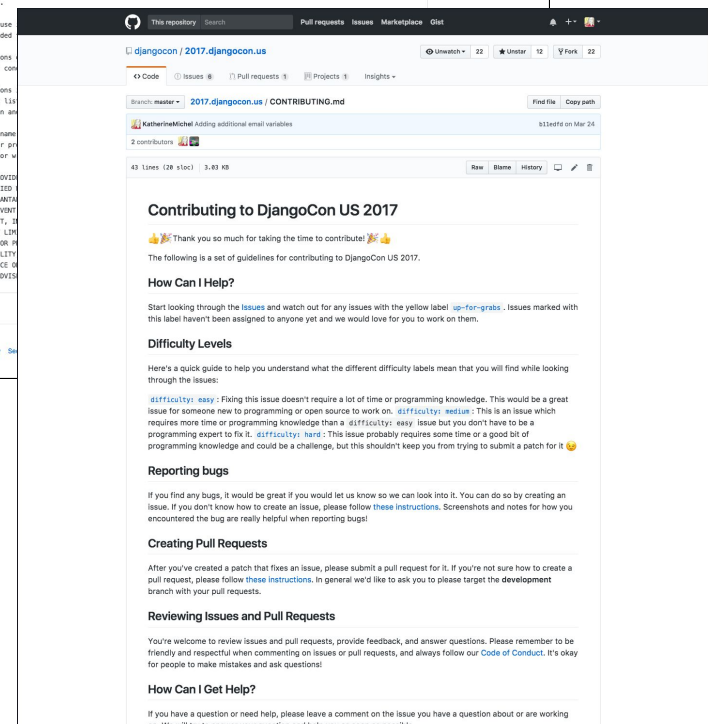
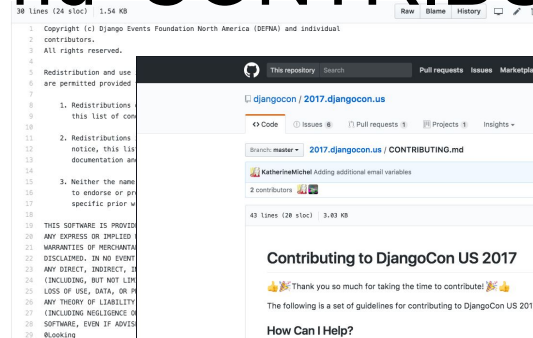
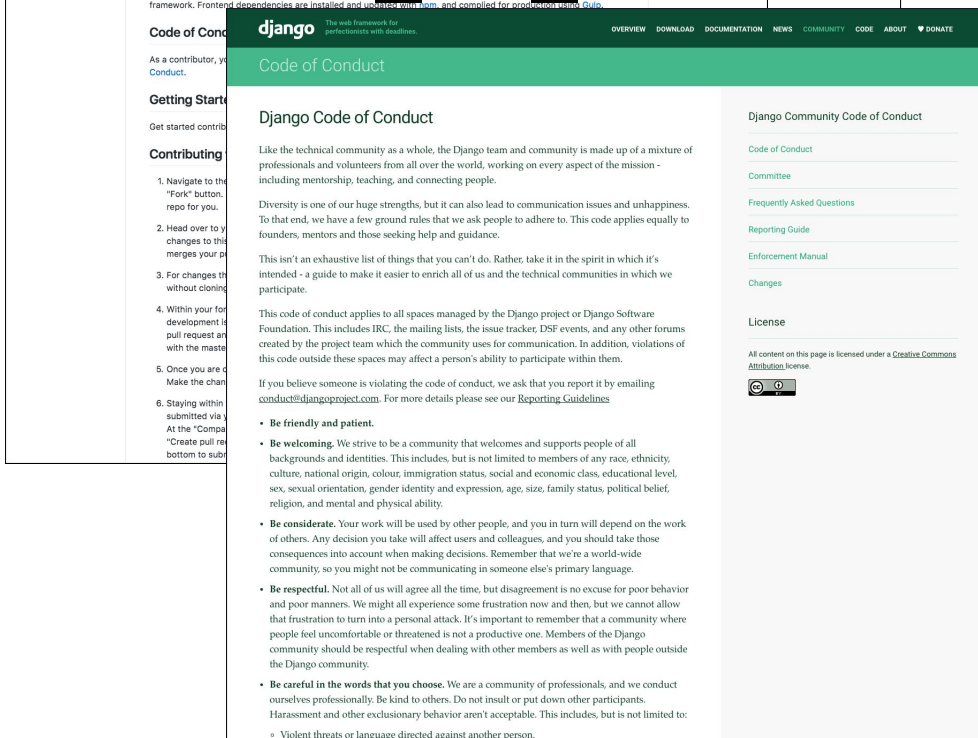
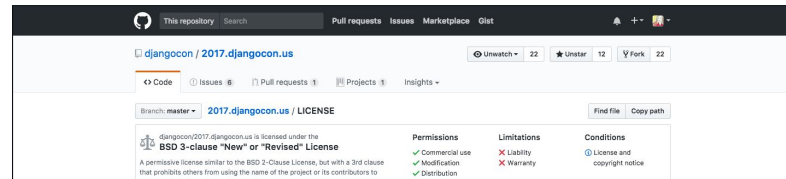
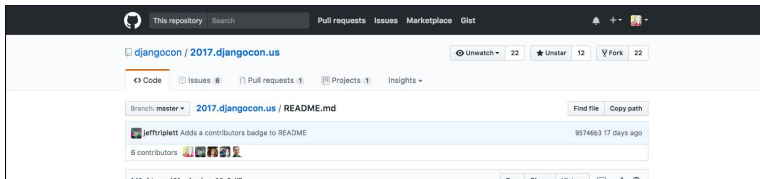
- Determine which collaboration approach to use
 - Clone a repo into our local development environment, create a feature branch, make a change, push the branch to the GitHub repo, and submit a pull request
- Review the two different types of pull request branches as a maintainer
 - Recommendations

Documentation

README.md

LICENSE

CODE OF CONDUCT.md CONTRIBUTING.md



Code Safety

The screenshot displays the GitHub repository settings interface. At the top, navigation tabs include 'Code', 'Pull requests 1', 'Projects 0', 'Settings' (highlighted with a red box), and 'Insights'. On the left sidebar, the 'Settings' menu is expanded, with 'Branches' highlighted (also with a red box). A red arrow points from the 'Settings' tab to the 'Branches' menu item. The main content area is titled 'Branch protection for master'. It features a 'Protect this branch' checkbox (checked and highlighted with a red box) and a large 'Protect this branch' button (also highlighted with a red box). Below these, there are two other settings: 'Require pull request reviews before merging' (checked) and 'Dismiss stale pull request approvals when new commits are pushed' (unchecked).

<> Code Pull requests 1 Projects 0 **Settings** Insights ▾

Options
Collaborators
Branches
Webhooks
Integrations & services
Deploy keys

Branch protection for master

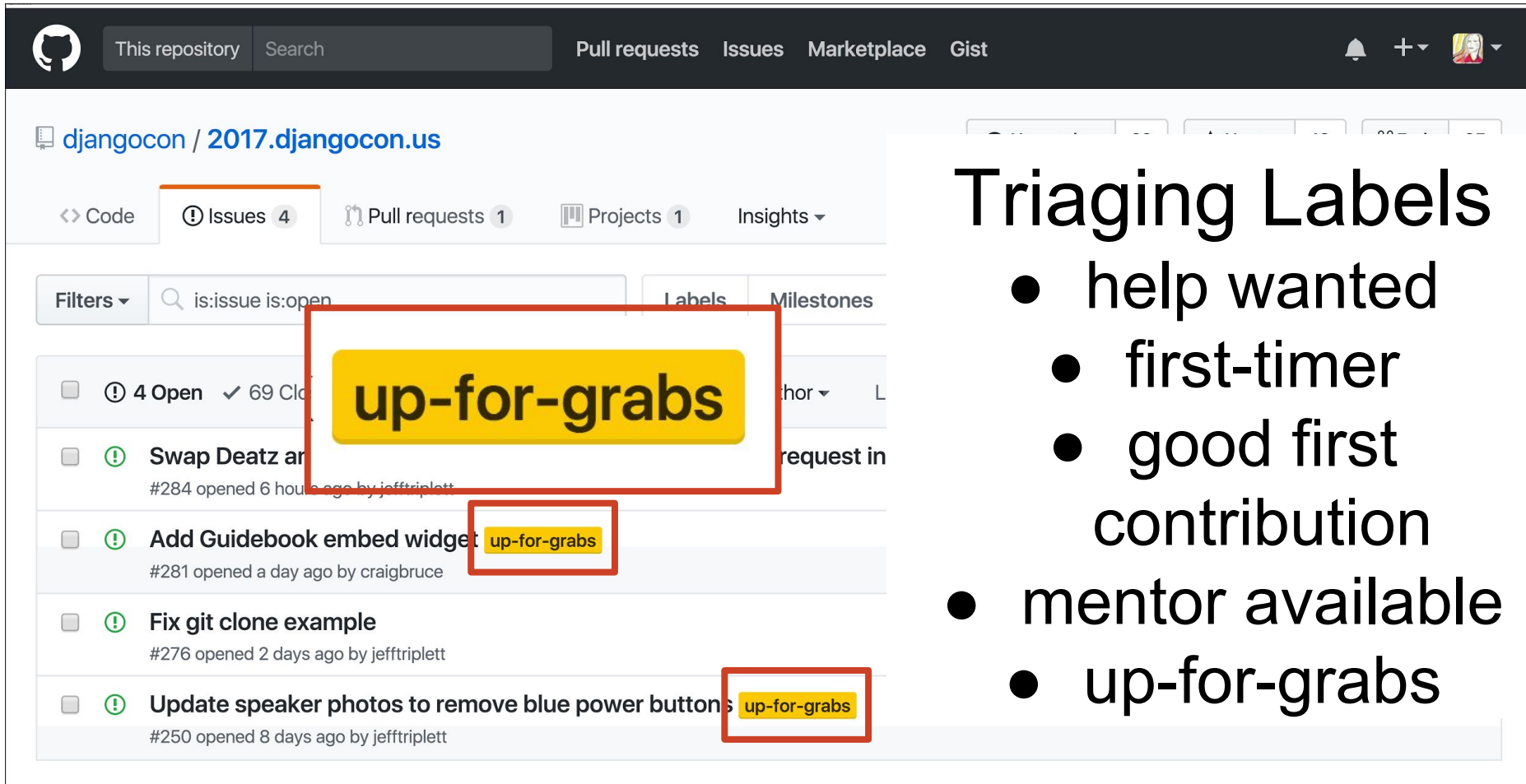
☒ **Protect this branch**
Disables force-pushes to the branch

☒ **Protect this branch**

☒ **Require pull request reviews before merging**
When enabled, all commits must be made to a non-protected branch and submitted via a pull request with an approved review and no changes requested before it can be merged into **master**.

☐ **Dismiss stale pull request approvals when new commits are pushed**
New reviewable commits pushed to a branch will dismiss pull request review approvals.

Tips for Getting Started

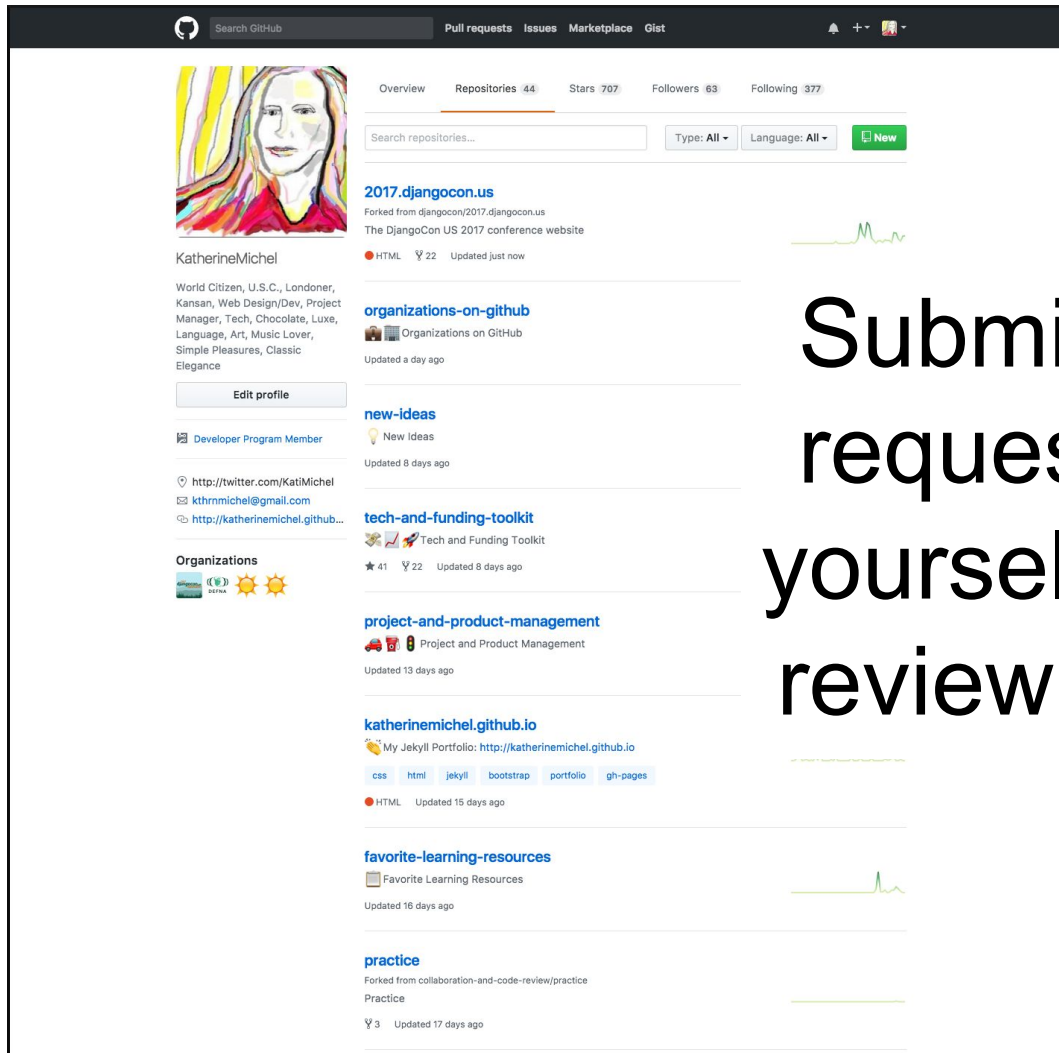


The screenshot shows the GitHub interface for the repository 'djangocon / 2017.djangocon.us'. The 'Issues' tab is selected, showing a list of 4 open issues. A large yellow box with the text 'up-for-grabs' is overlaid on the first issue, 'Swap Deatz and ...'. Below it, the second issue, 'Add Guidebook embed widget', also has a yellow 'up-for-grabs' label. The third issue, 'Fix git clone example', and the fourth issue, 'Update speaker photos to remove blue power buttons', also have yellow 'up-for-grabs' labels. The labels are highlighted with red boxes.

Triaging Labels

- help wanted
- first-timer
- good first contribution
- mentor available
- up-for-grabs

Sandboxing



Submit pull requests to yourself then review them

Go For It!

Contribute to the DjangoCon US website next year! We have a diverse group of contributors of all skill levels and we are always looking for more contributors. Let us know if you are interested.

Thank You!

Useful Resources:

<https://git.io/v5fRh>

Katherine “Kati” Michel

Twitter handle: @KatiMichel

GitHub username: KatherineMichel