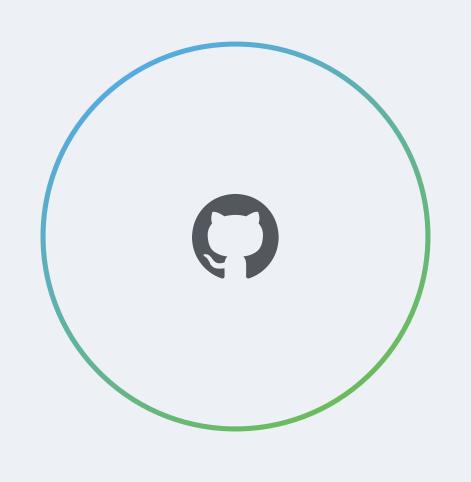
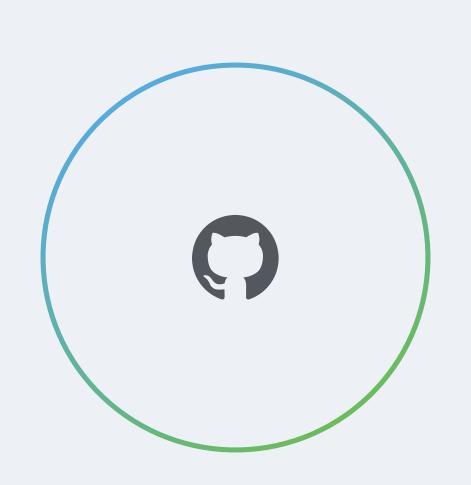


Government Proficiency without the computer science degree



Jamie Jones

- Federal Solutions & Implementation Specialist
- Version Control Enthusiast
- Pull Request all the things
- (7) jbjonesjr
- jbjonesjr



Agenda

- What is it
- How do you use it
- Best Practices
- How to manage a community

GitHub: What is it



· GitHub

- Version Control, Issue & Feature Tracking, File Rendering and Wiki
- Collaboration between users and teams
- Static website hosting and publishing via GitHub Pages
- <u>GitHub.com</u>: Only version control and collaboration platform. Like Microsoft Word track changes, but for everything.
 - 16 million users, ~50th most trafficked website in the world
 - 38 million projects hosted, the home of Open Source software
 - Public Repositories are free, private repositories cost \$9/user/month
- · GitHub Enterprise: Like <u>GitHub.com</u>, but running on your network (or cloud), using your Enterprise tools
 - Over 100 Federal instances today
 - Supports Single-Sign on, Auditing, Other Security Requirements
 - Checks all those Government checkboxes

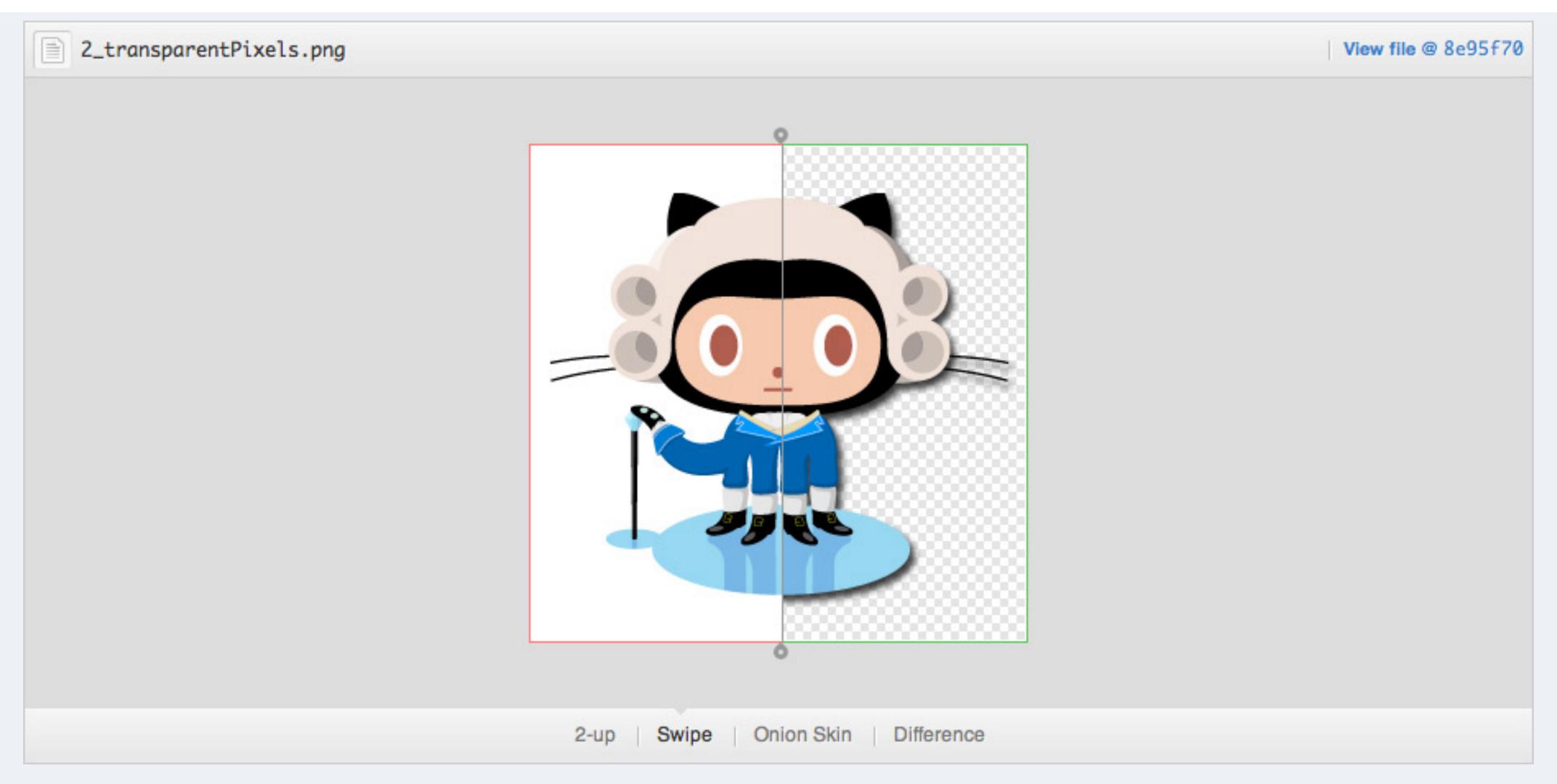
Functions and Features



□ jbjonesjr / github-in-government						• Unwatch	→ 1 ★ Star 0	♀ Fork 0	
<> Code	! Issues 0	1) Pull requests 0	III Projects 0	■ Wiki	-/~ Pulse	<u>।।</u> Graphs	☼ Settings		
Interested in using GitHub within the Government? Here's a starting point — Edit									

Image Rendering



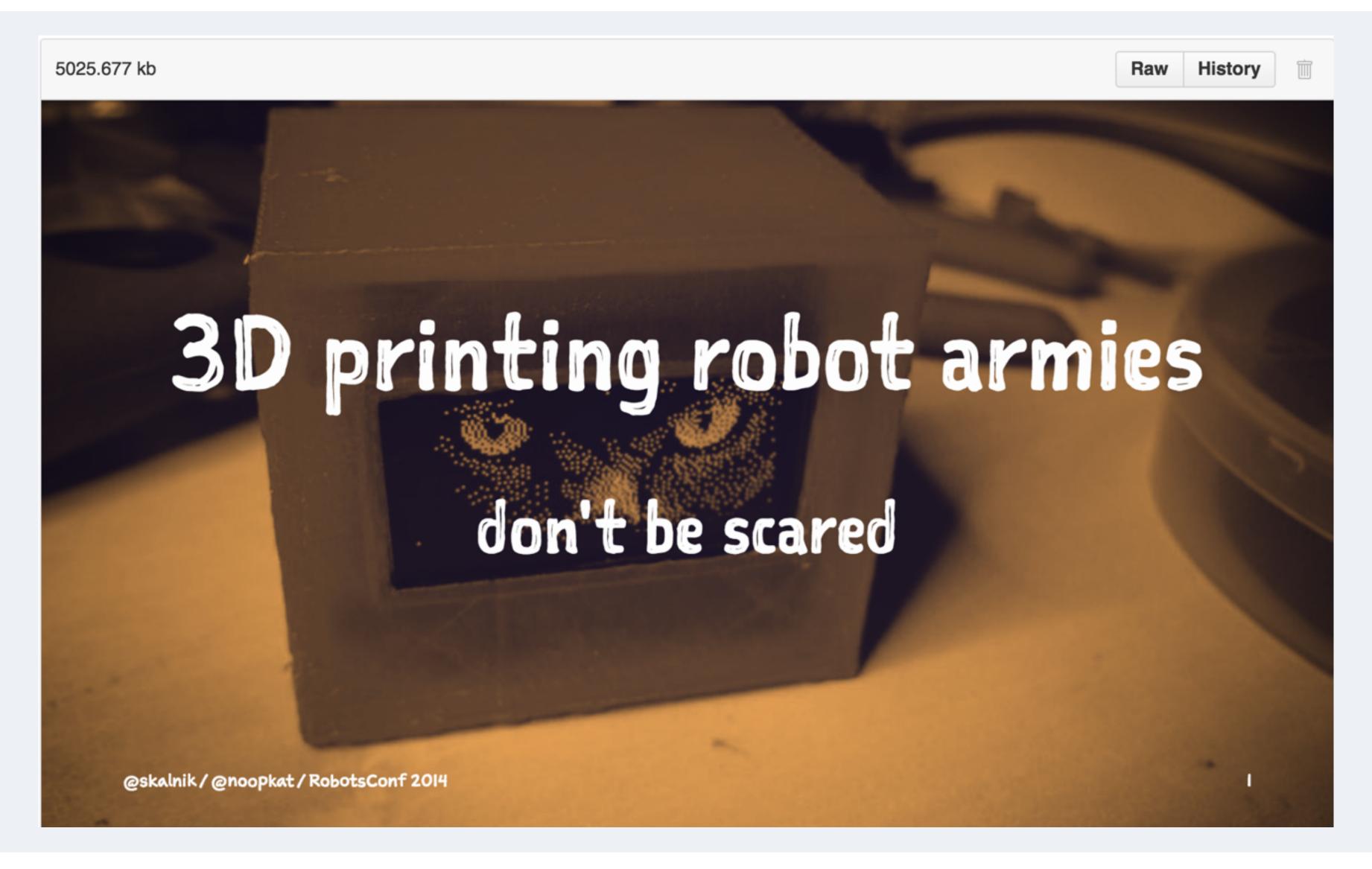


PNG, JPEG, SVG, Photoshop supported

<u>examples</u>

PDF Rendering

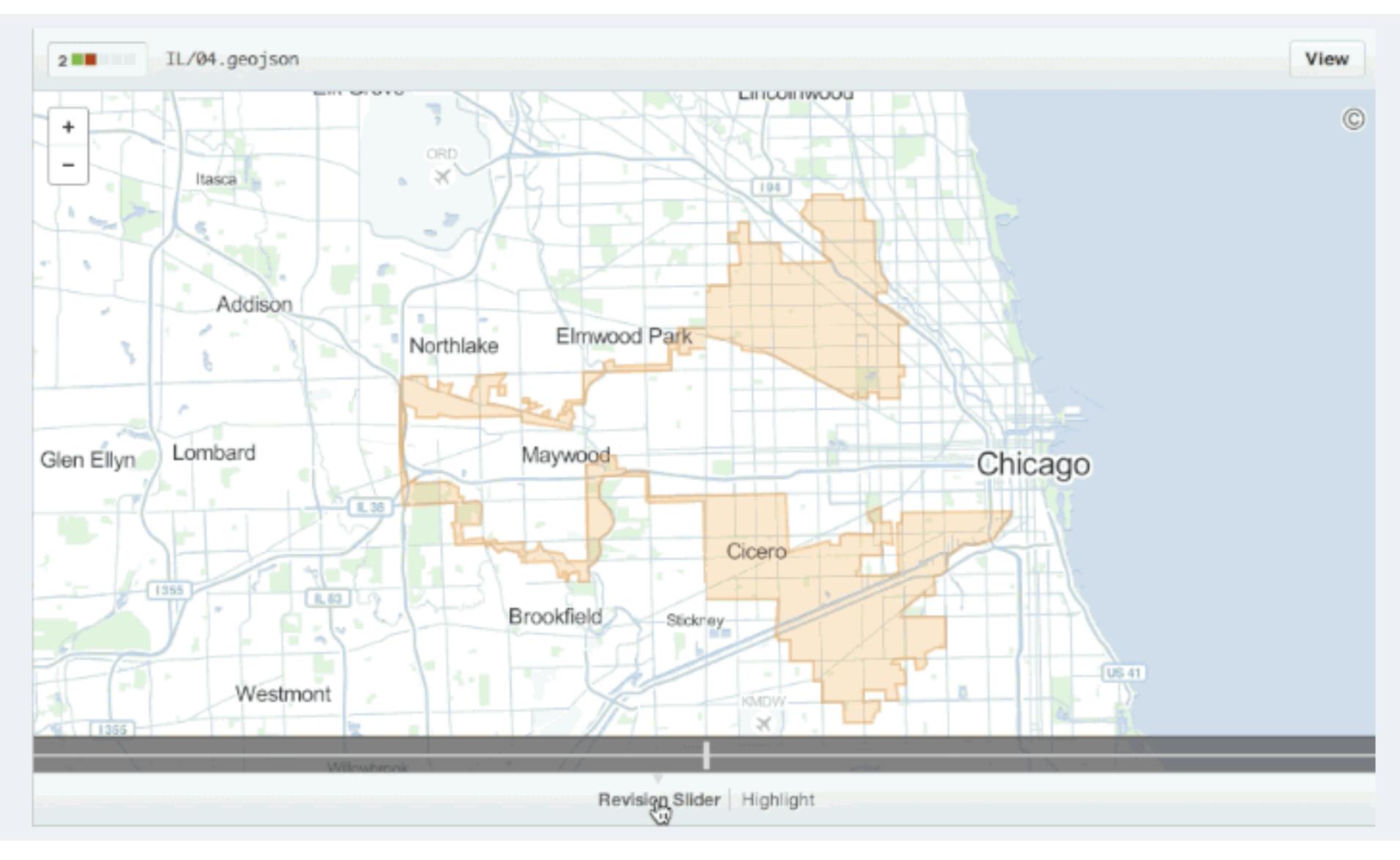


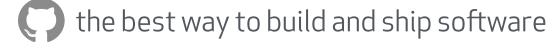




Map Rendering

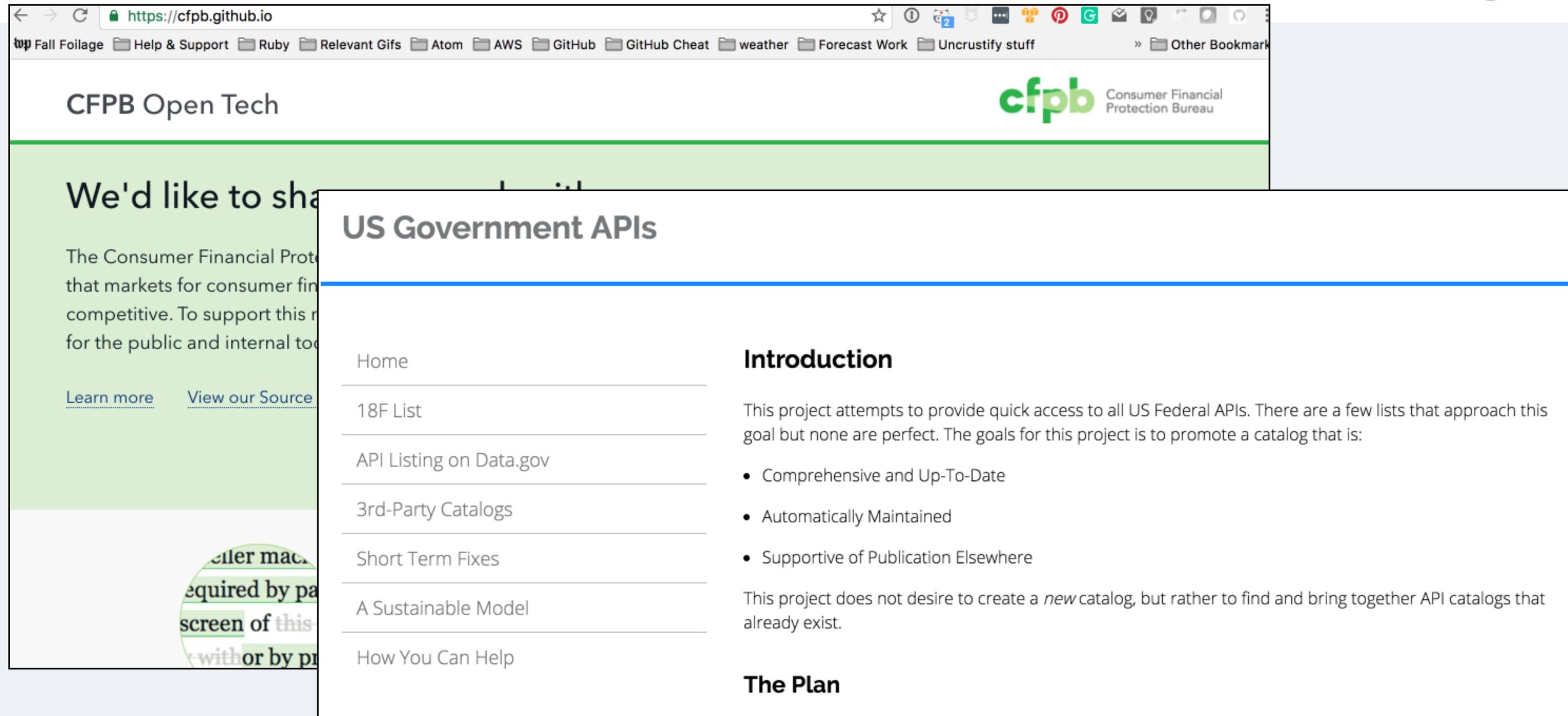






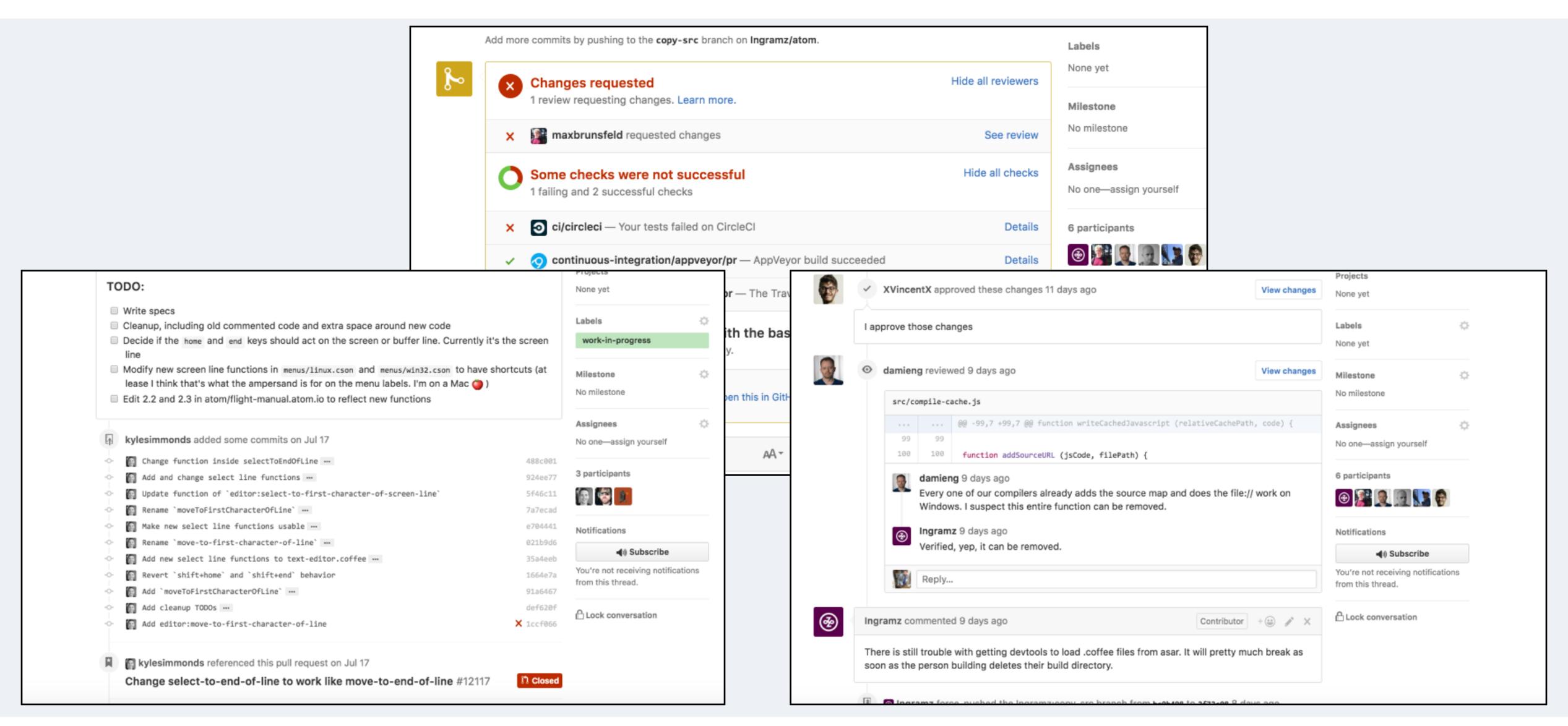
GitHub Pages





Pull Requests







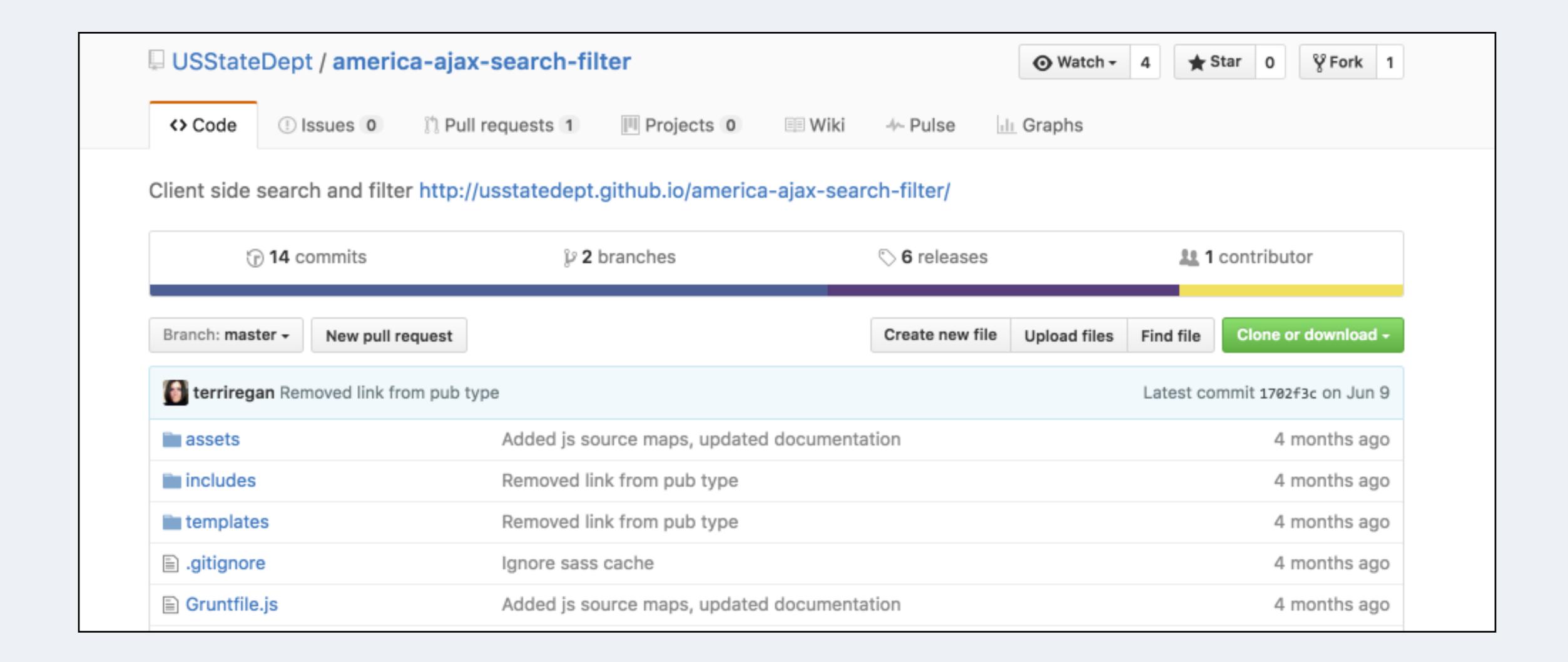
GitHub: How do you use it



- · Contributing to Open Source software projects (not just via code, but whatever your expertise is)
- Working on internal projects
- Policy development
- Open Commenting periods
- Documentation, StyleGuides
- Citizen Services

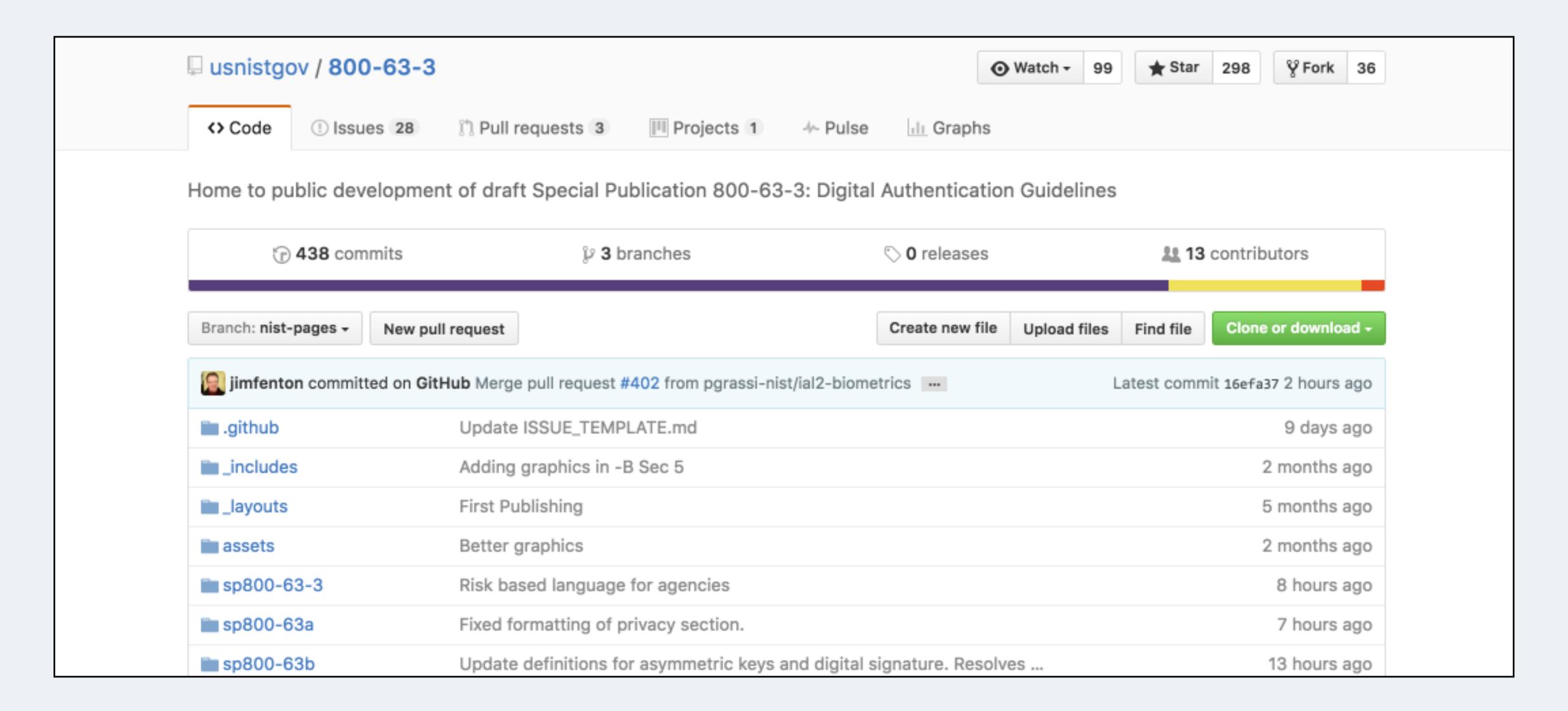
General development





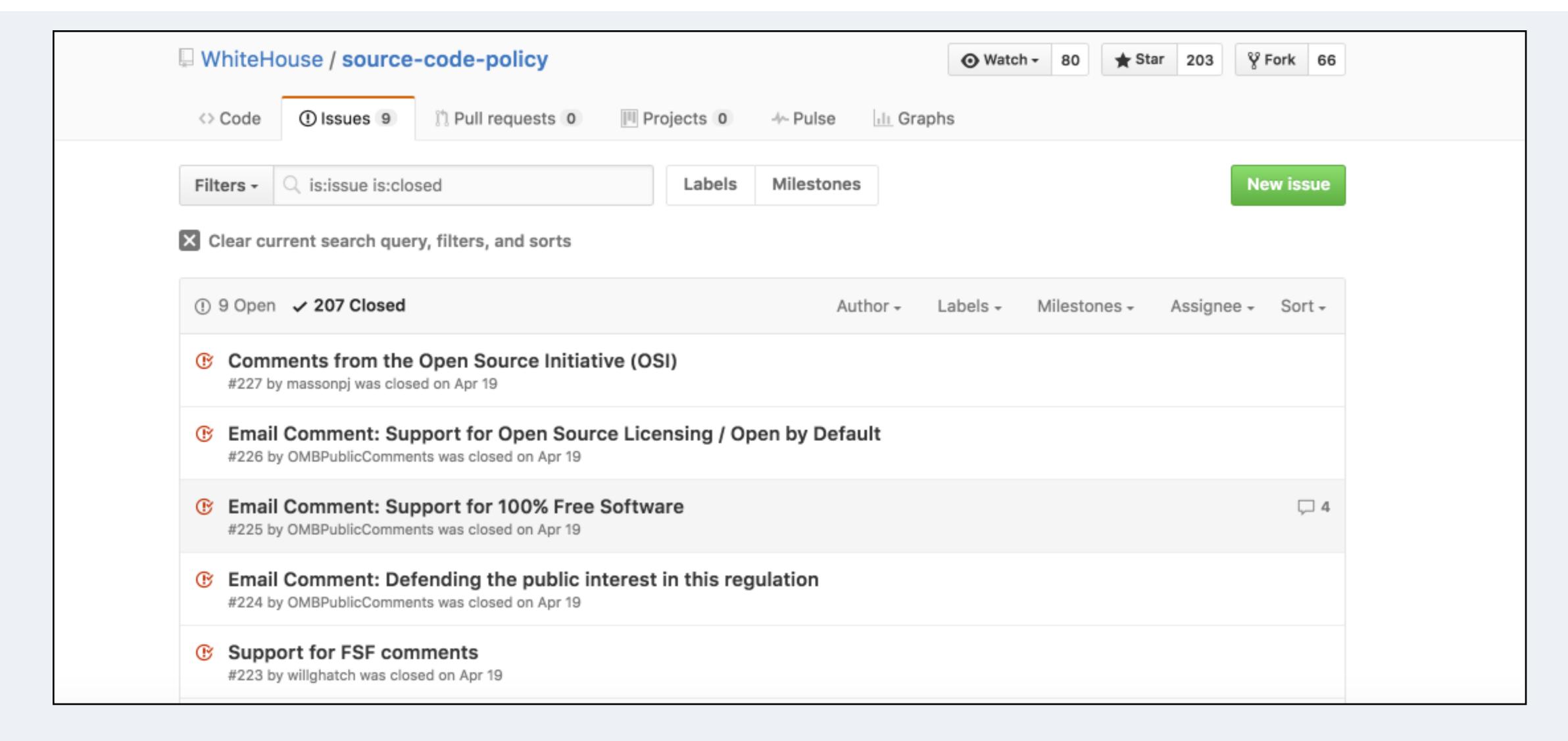
Policy Documentation





Public Commenting





StyleGuides





Citizen Services



Micro-purchase A marketplace for open source work

Sign in or Sign up

Welcome!

The Micro-purchase Marketplace is the place to bid on open-source issues from the 18F team. Learn more about this experiment »

Be sure to register your company before placing a bid. If you have any questions, please email us at micropurchase@gsa.gov.

Auctions

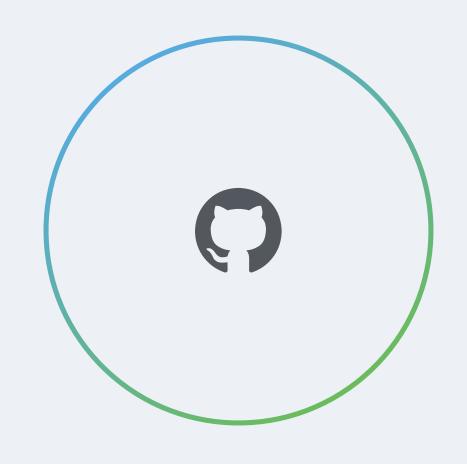
Update button label and behavior for applying to an open opportunity

Closed Ended on: 09/22/2016 Winning bid: \$249.00

and general confirmation message **Closed** Ended on: 09/16/2016 Winning bid: \$525.00

Confirmation message for full time details,



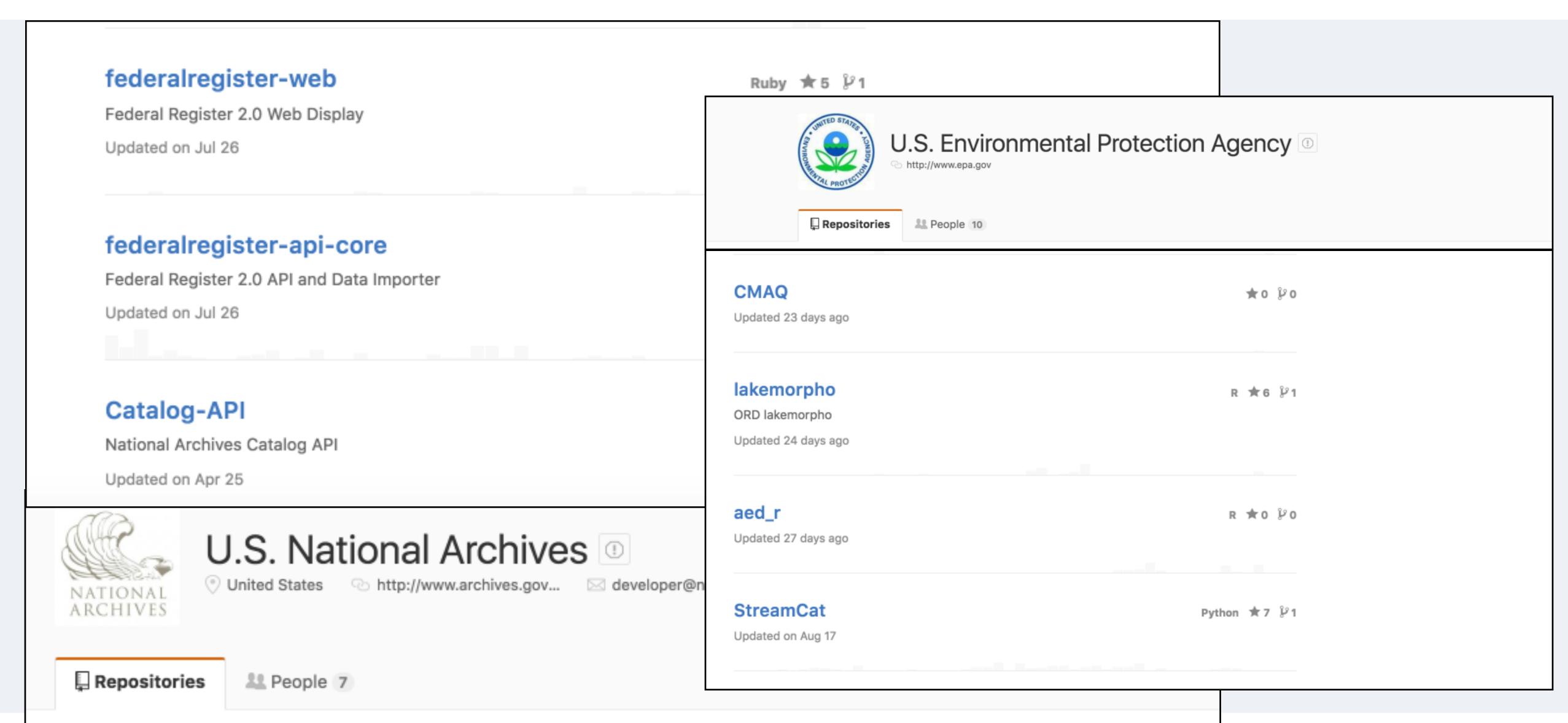


Best Practices

- Naming
- Description
- Consistent Naming Scheme
- Using Teams. Using homepages for teams

Naming & Descriptions matters

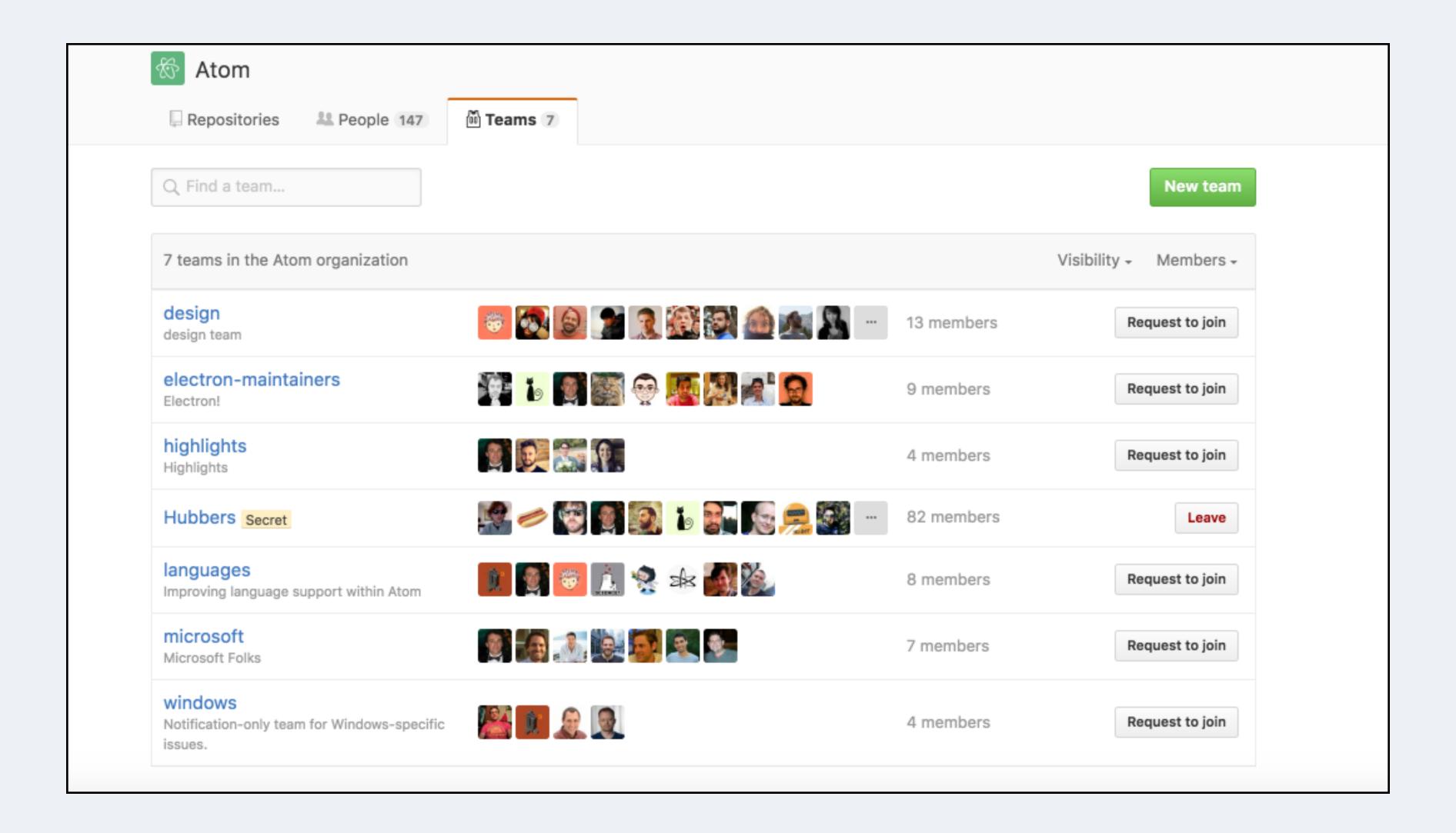




the best way to build and ship software

Use Teams in your Org

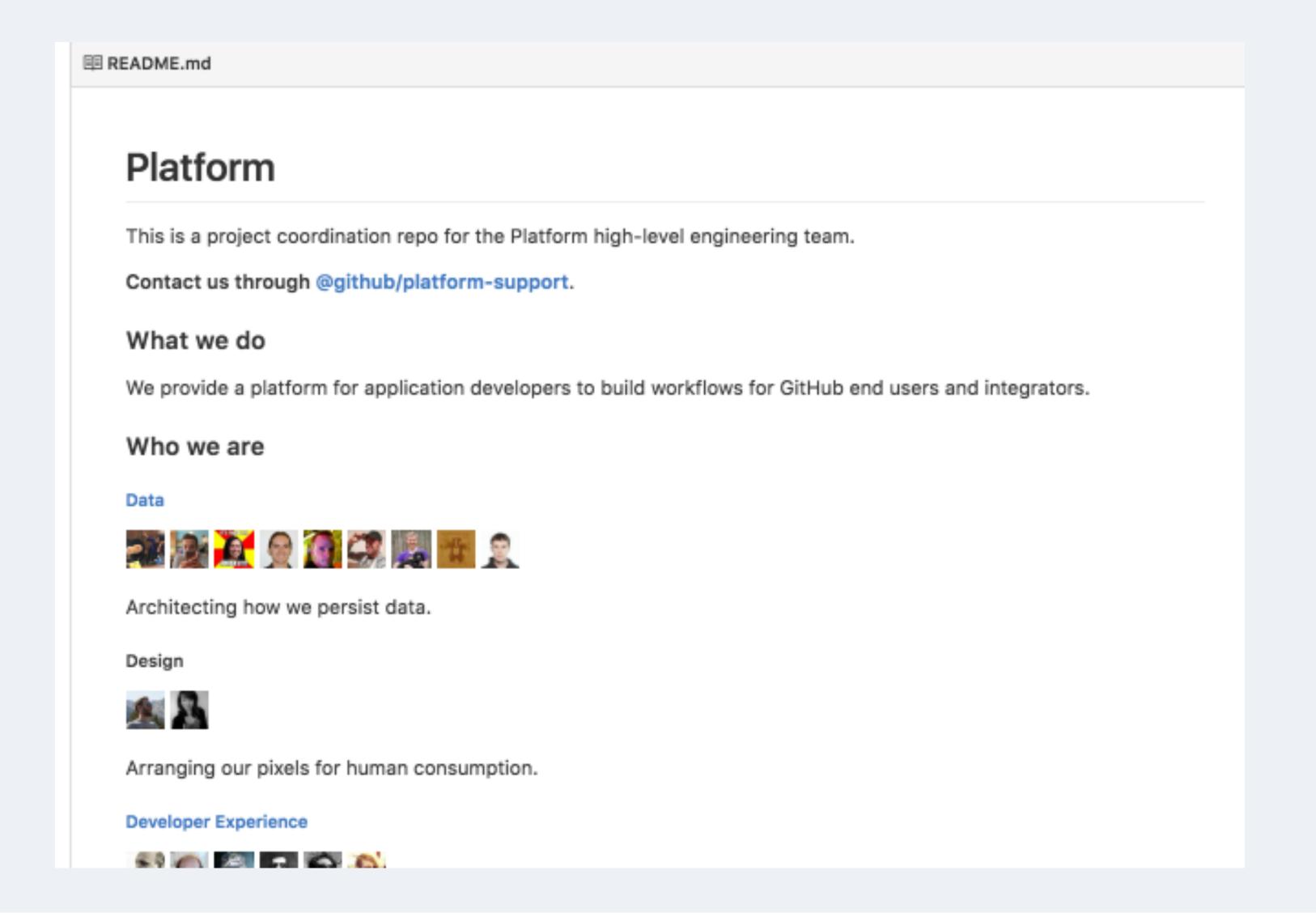






Teams can have homes too





Managing a community



Document your process, transparency

README.md, CONTRIBUTING.md, LICENSE.md, etc

Make barrier to entry minimal

Issue & Pull Request Templates

Be Involved

Commenting in Issues, Providing Code Reviews, Setting direction

Governance

Who can commit/merge

· Integrations can help maintain the project for you

- CLA-BOT
- Test Runners
- Static Code Analysis

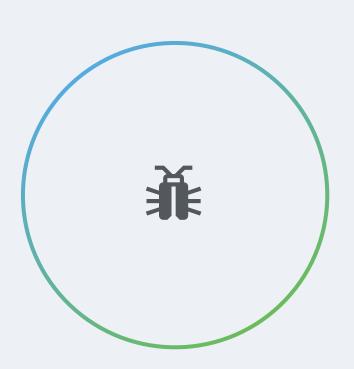
What next?





JBJONESJR@GITHUB.COM

- https://www.github.com/jbjonesjr/github-in-government
- · Slides are posted already, feel free to use issues for questions
- · Will updated this repository with links and new information



HTTPS://GOVERNMENT.GITHUB.COM

- · Government peer group shares best practices around (any) technology
- Great place to ask questions and source information