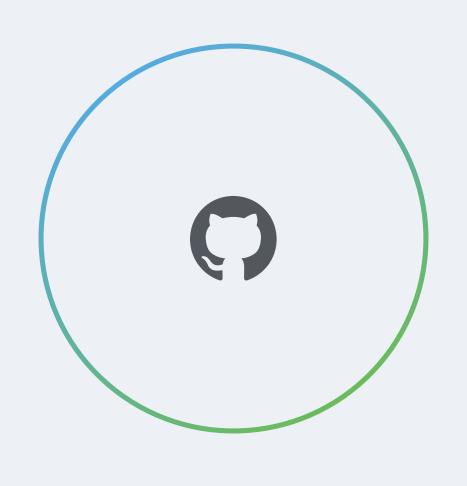


Government Proficiency without the computer science degree



Jamie Jones

- Federal Solutions & Implementation Specialist
- Version Control Enthusiast
- Recovering Government meeting attendee
- (7) jbjonesjr
- jbjonesjr



Agenda • What is it

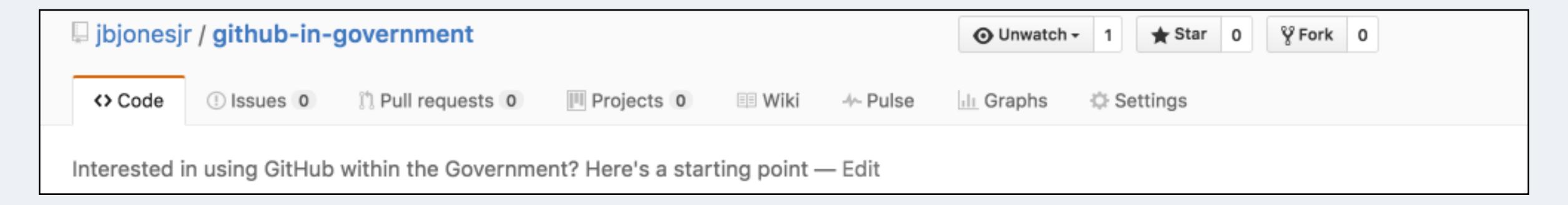
- How do you use it
- Best Practices
- How to manage a community

GitHub: What is it



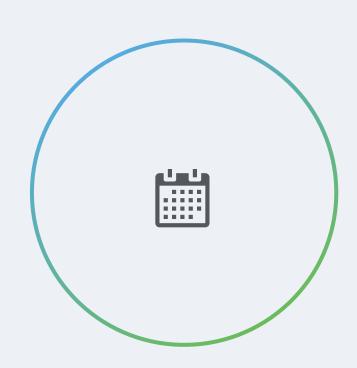
GitHub

- Version Control, Web based editing and file/document rendering
- Issue & Feature Tracking with milestone and project planning
- Wikis and project documentation
- Rich Text formatting throughout
- Collaboration between users and teams
- Static website hosting and publishing via GitHub Pages
- Discovery and exposure via social conventions



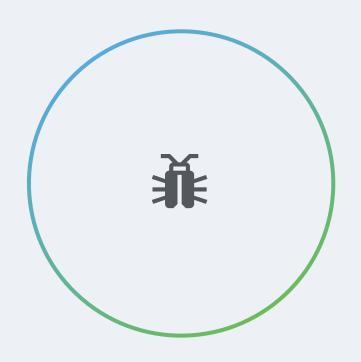
Delivery that works for you





GITHUB.COM

- Online 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



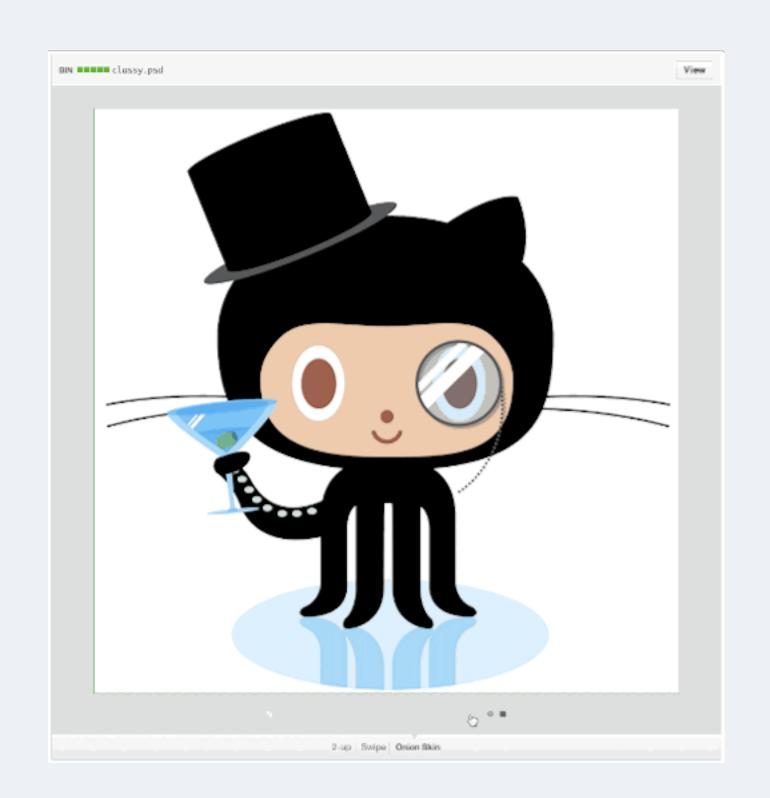
GITHUB ENTERPRISE

- Like <u>GitHub.com</u>, but running on your network (or cloud), using your Enterprise tools
 - On-premises Virtualization (VMWare, Hyper-V, etc) or AWS/Azure
 - Over 100 Federal instances today
 - Supports Single-Sign on, Auditing, Other Security Requirements
 - Checks all those Government checkboxes

Image Rendering





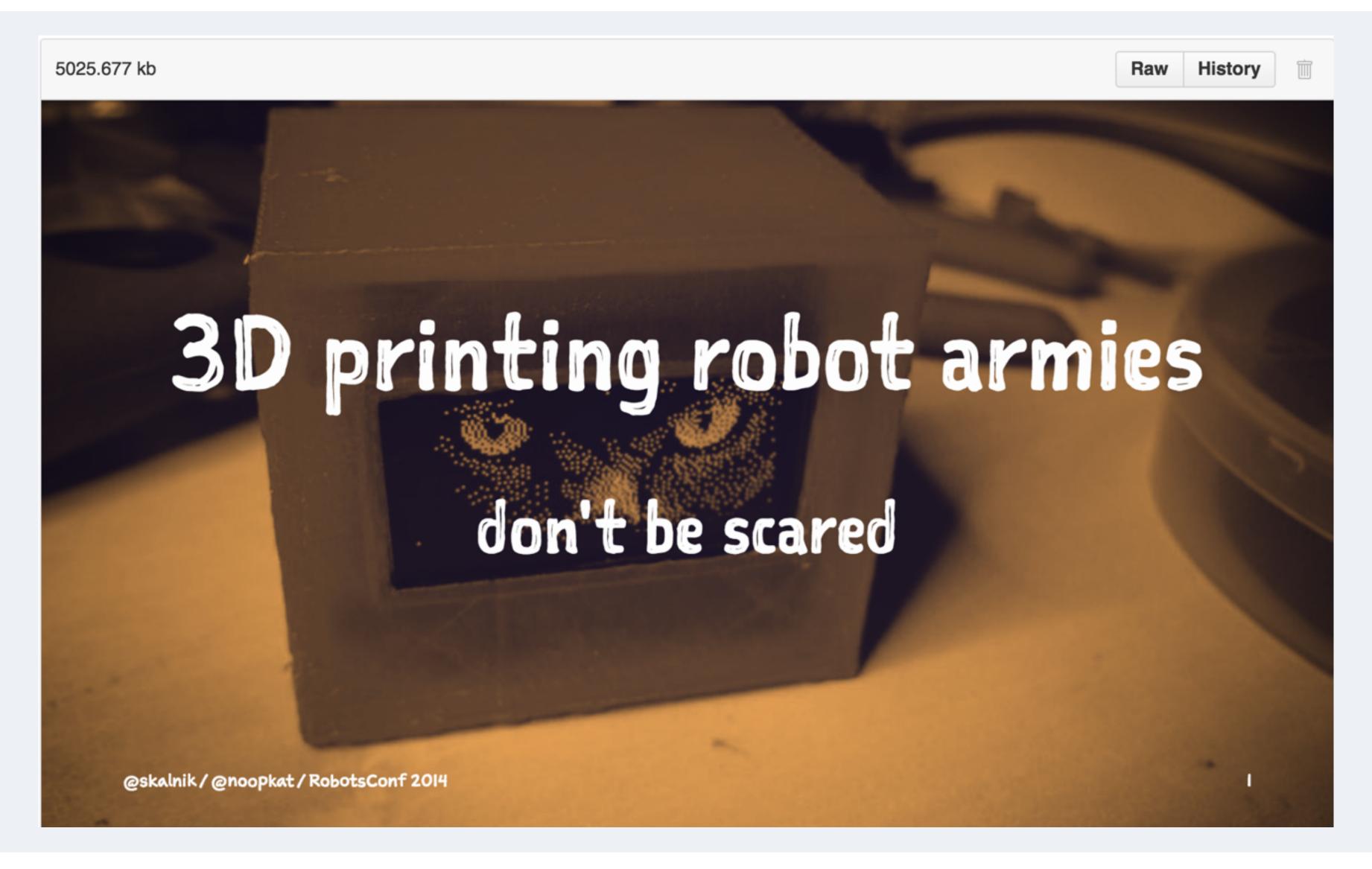


PNG, JPEG, SVG, Photoshop supported

<u>examples</u>

PDF Rendering

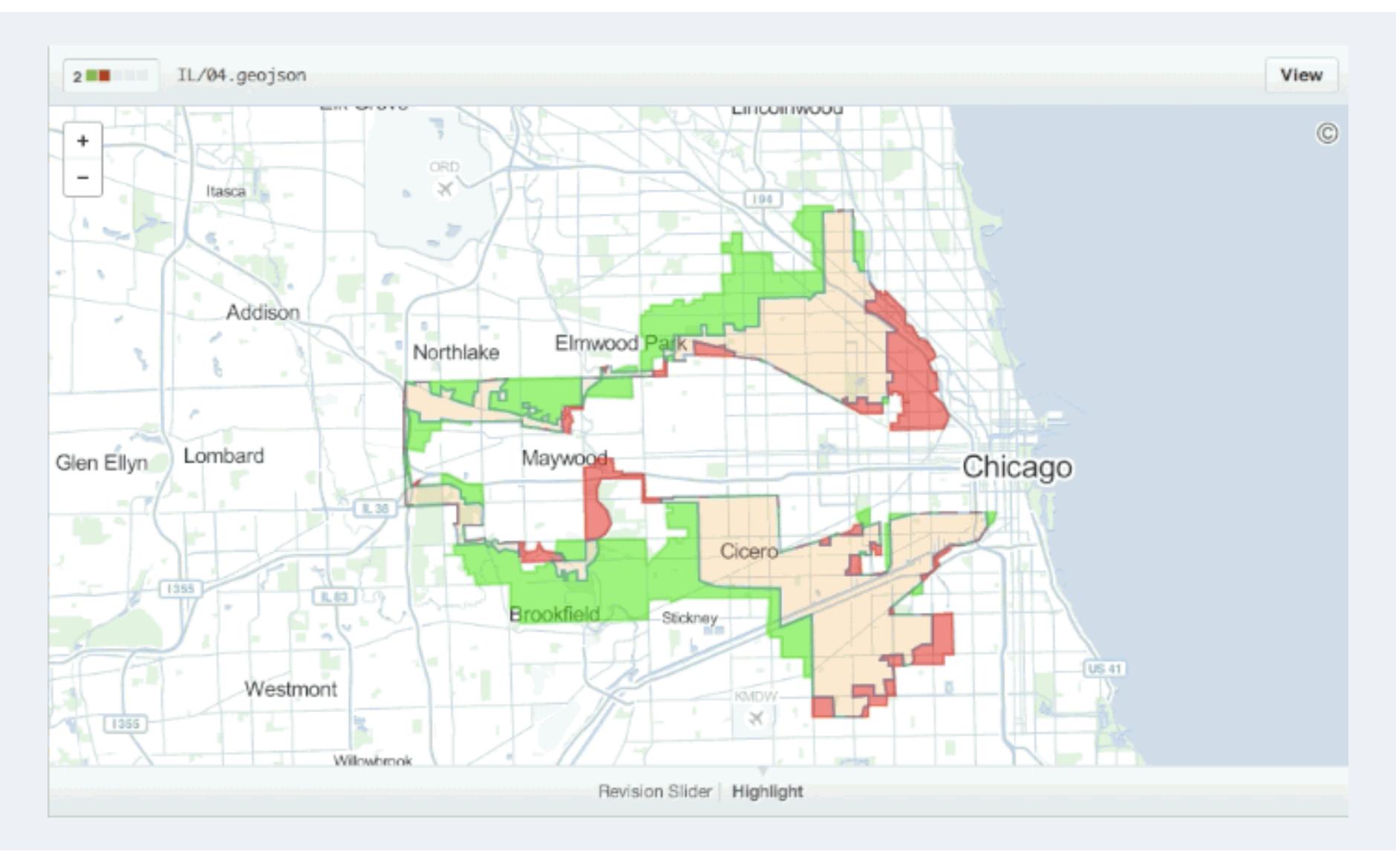


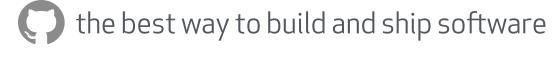




Map Rendering & Differences

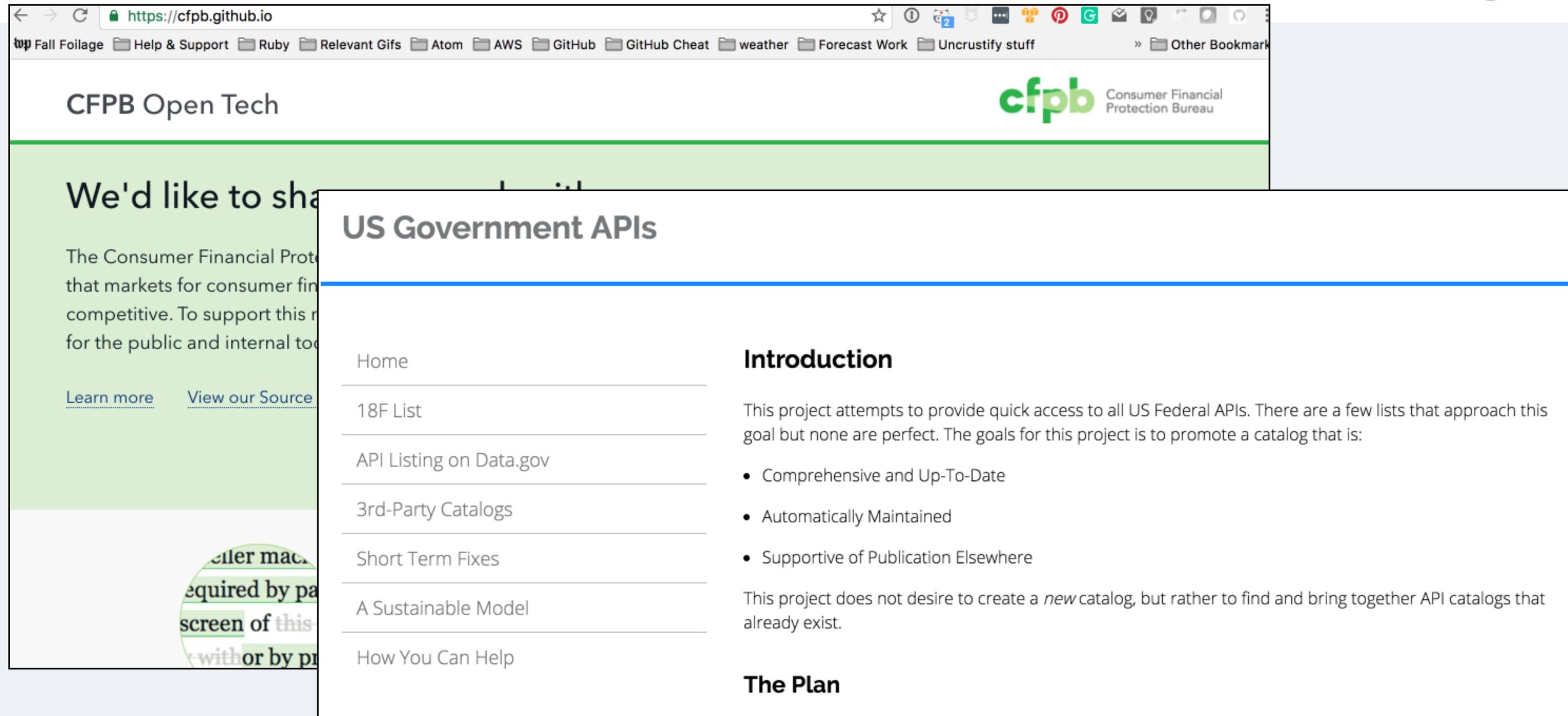






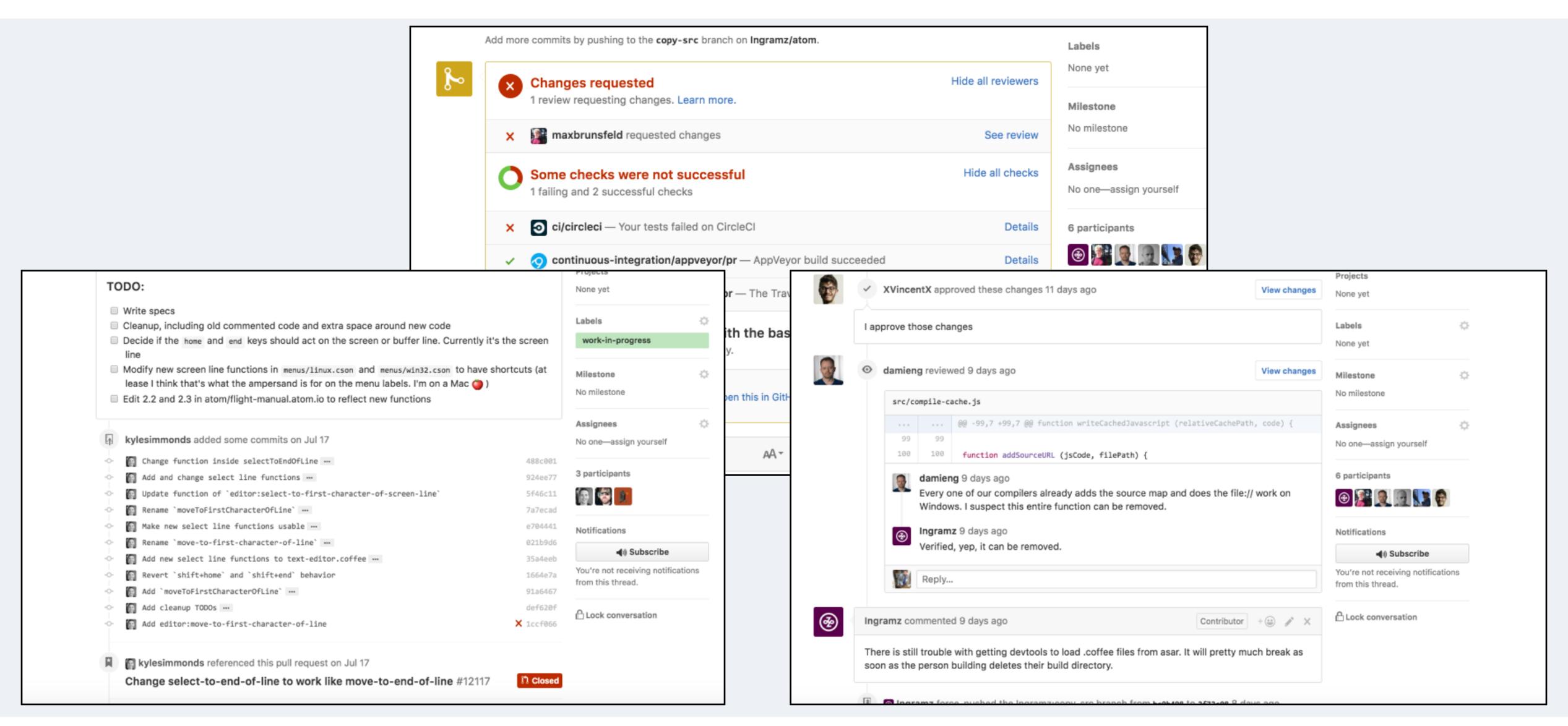
GitHub Pages





Pull Requests







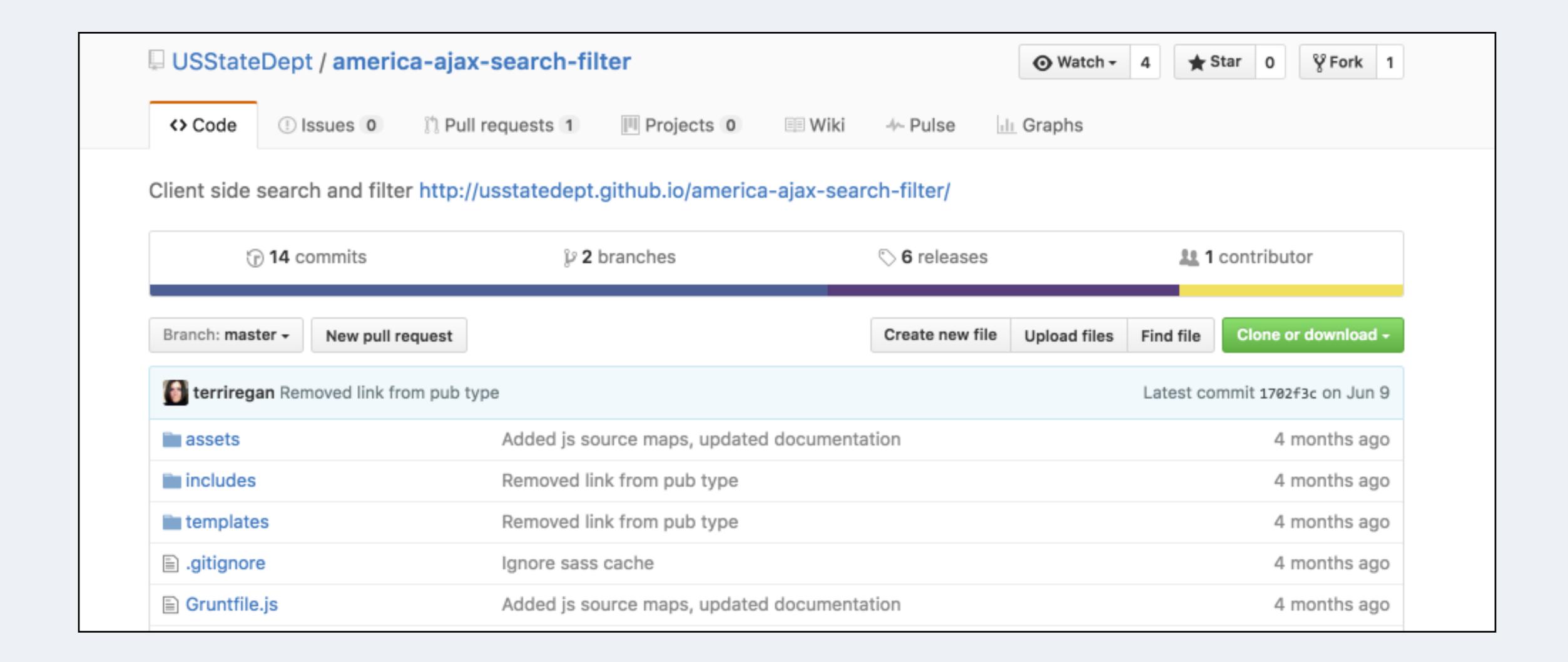
GitHub: How do you use it



- 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

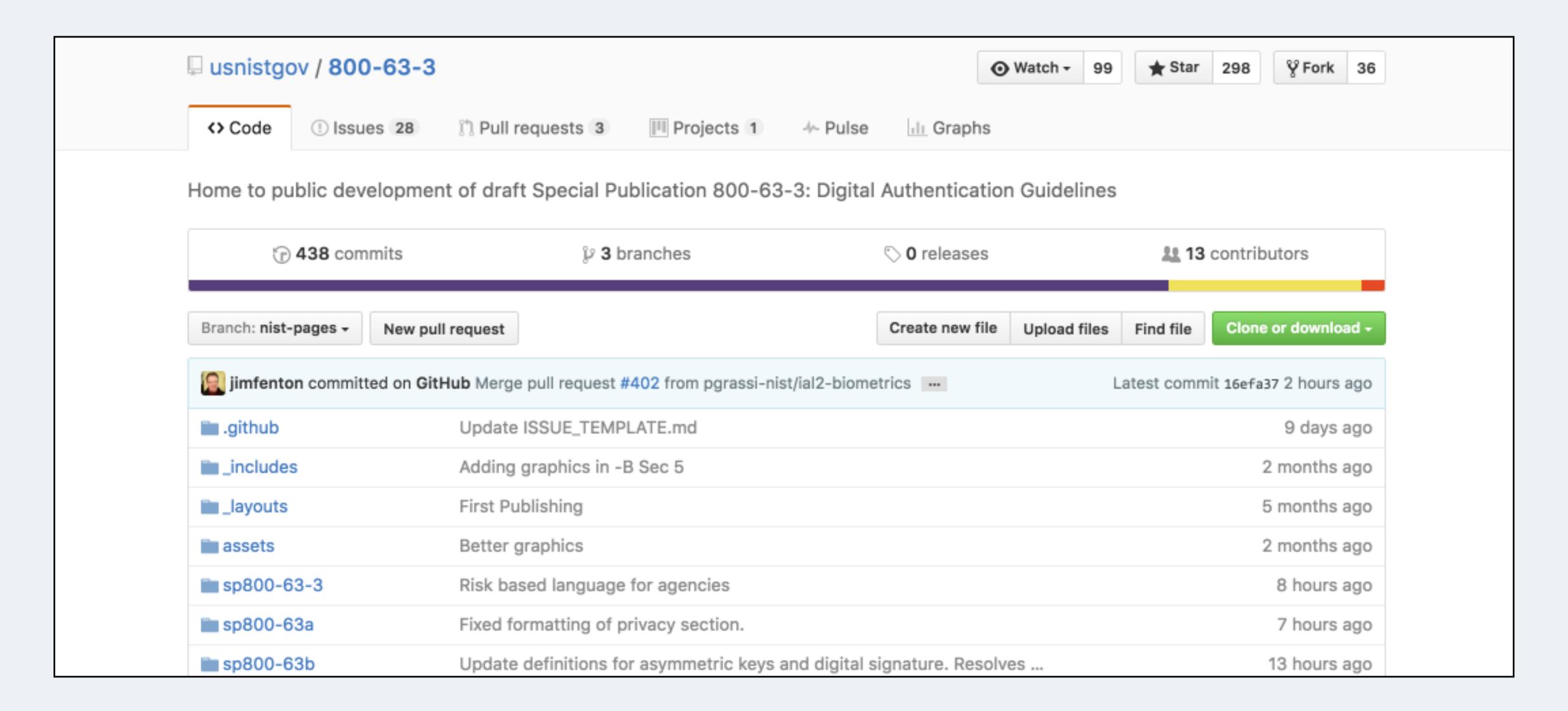
General development





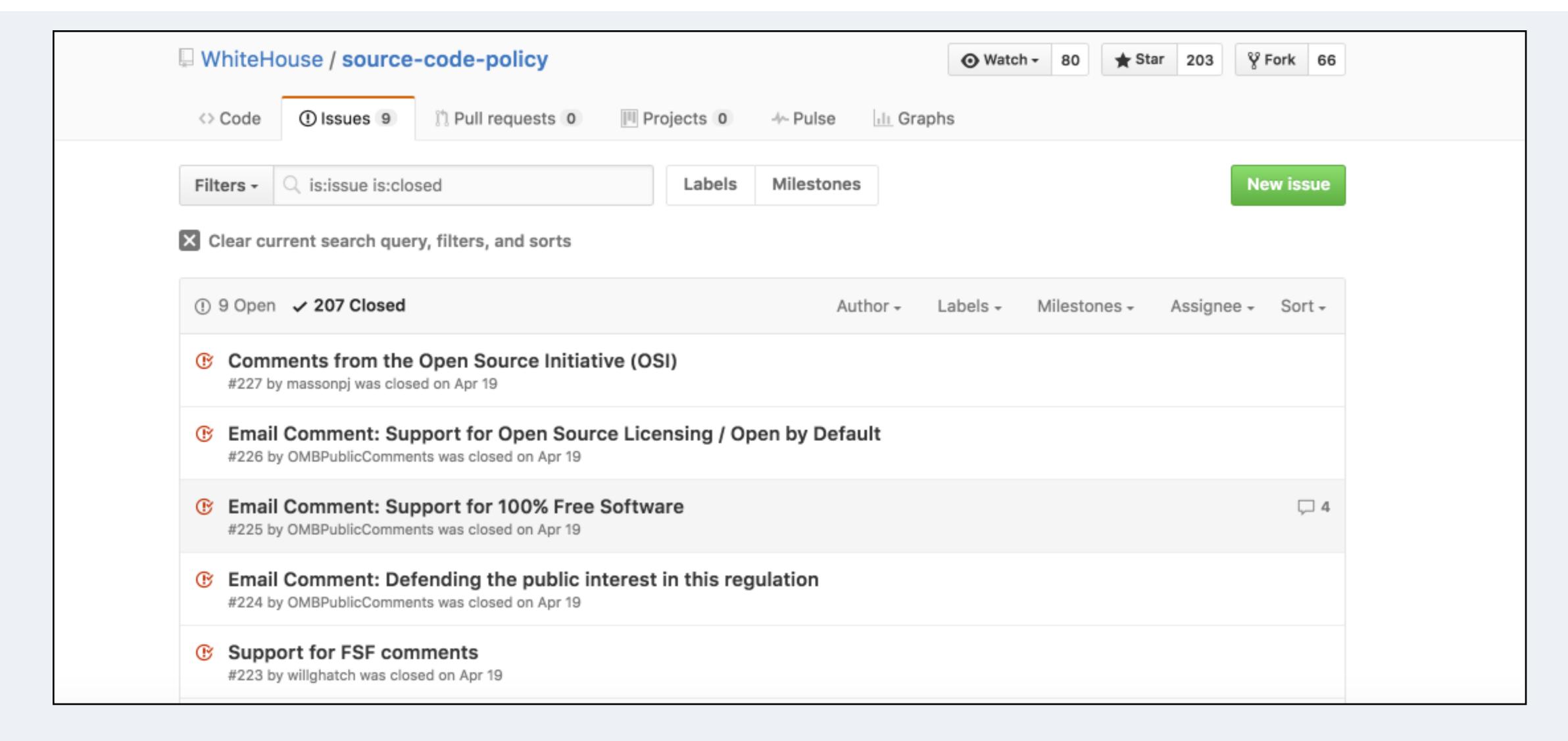
Policy Documentation





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

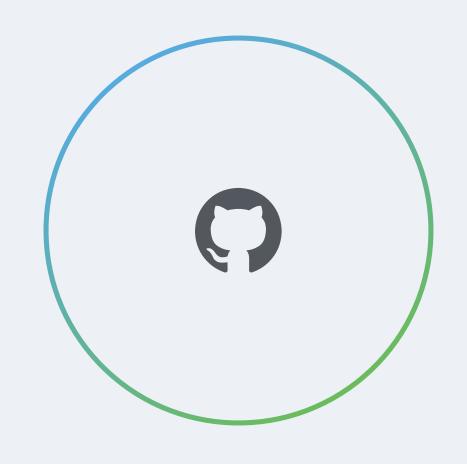
Update button label and behavior for applying to an open opportunity

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,



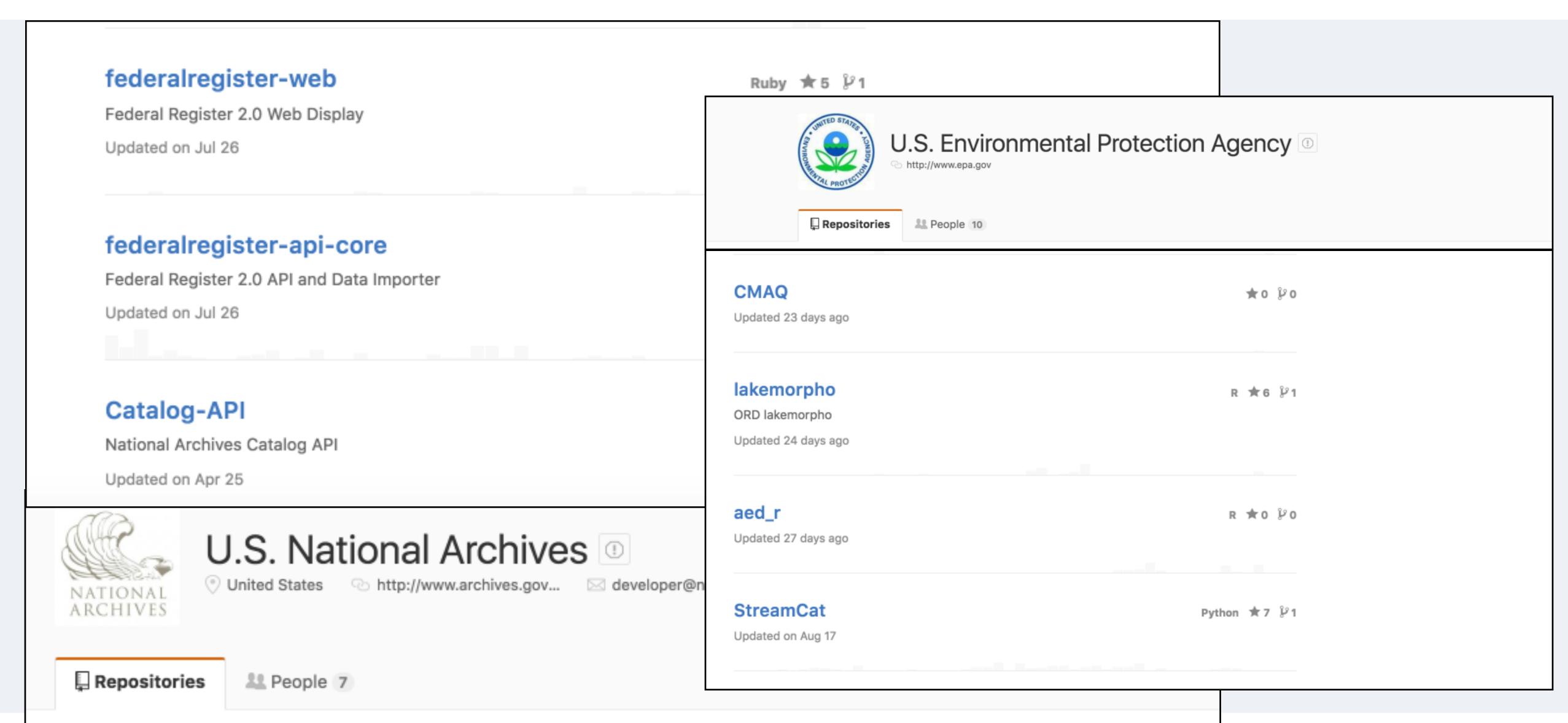


Best Practices

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

Naming & Descriptions matters

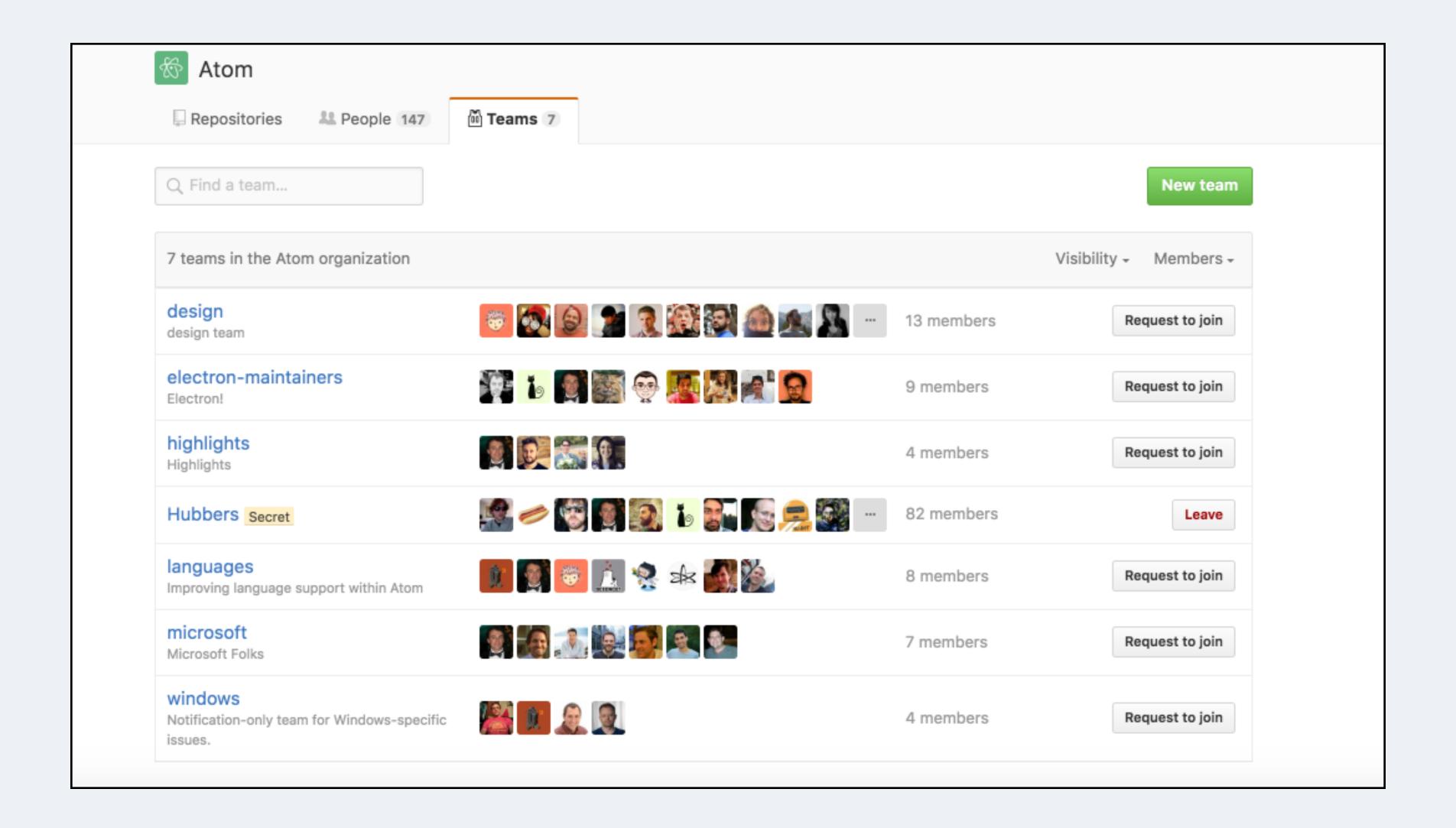


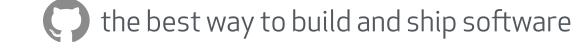


the best way to build and ship software

Use Teams in your Org

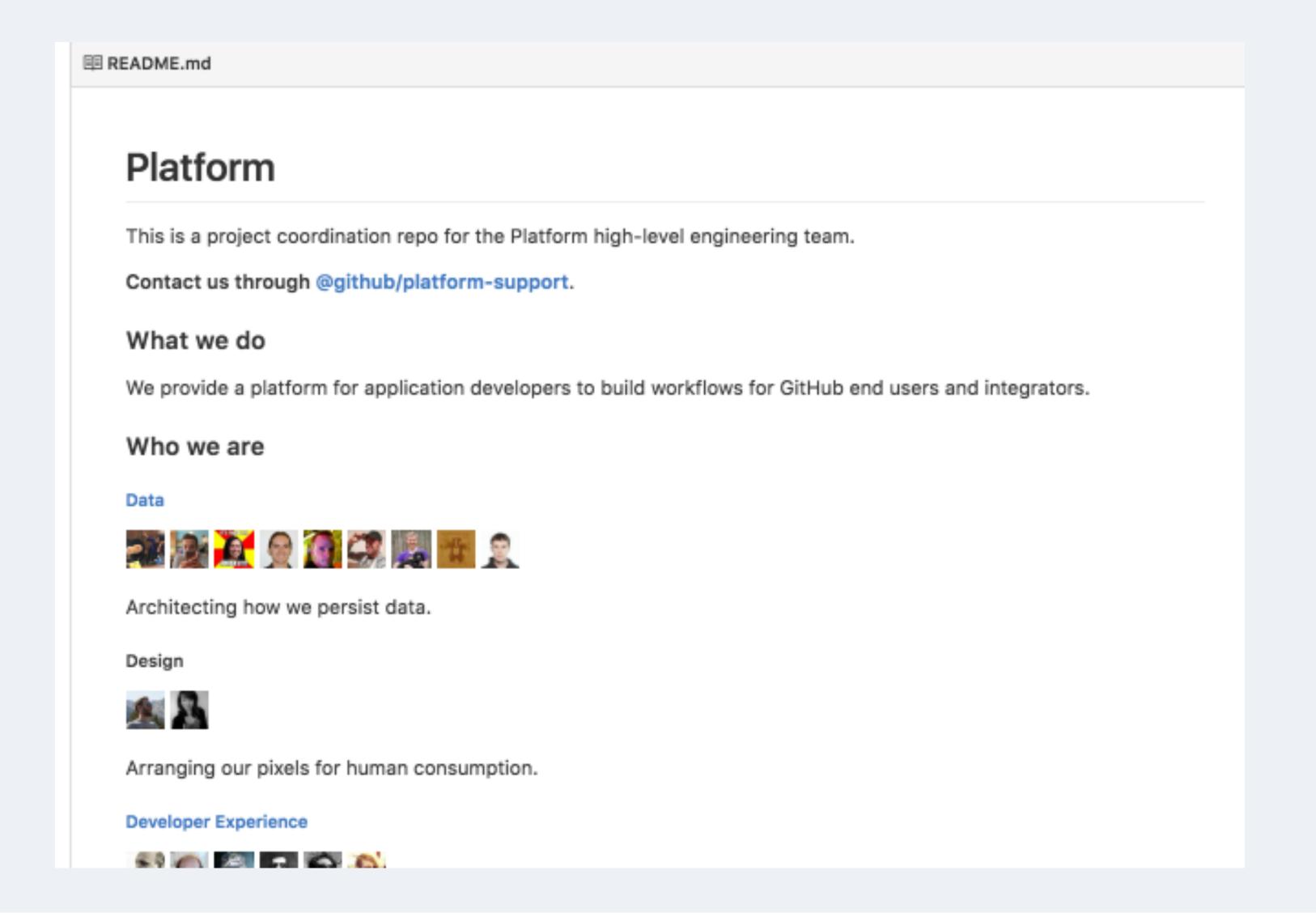






Teams can have homes too





Managing a community

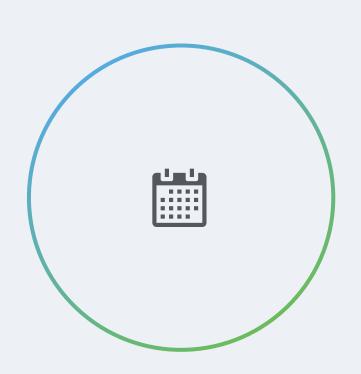


Document your process, transparency

- README.md, CONTRIBUTING.md, LICENSE, 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