

GitHub for Digital Professionals

Version Control, Issue Tracking, and Documentation

Paul Jones

Local Wisdom

November 20, 2014

Introduction

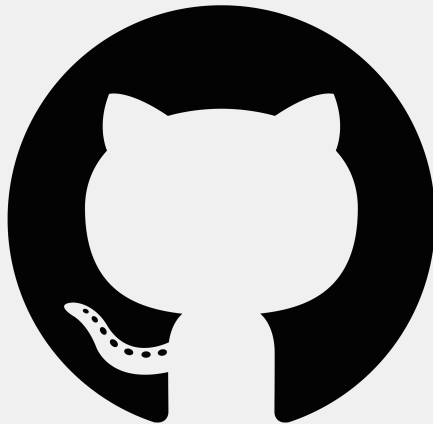
We used to use a number of disparate services to provide source control, issue tracking, and documentation for deliverables.



beanstalk



But now, one service provides all three functionalities.



We build software.
GitHub lets us build better.

Meet GitHub

The screenshot displays the GitHub web interface for the repository 'LocalWisdom / jnj-ir'. The page shows the repository name, a search bar, and navigation links like 'Explore', 'Gist', 'Blog', and 'Help'. The repository is marked as 'PRIVATE' and has 246 commits, 2 branches, 0 releases, and 1 contributor. The main content area shows the commit history for the 'master' branch, with the latest commit by Chris Boraski titled 'New launch screen and fade in animation.' The commit history table lists several files and their commit messages. On the right side, there are links to 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. At the bottom right, there is a section for cloning the repository via HTTPS, SSH, or Subversion, and a 'Clone in Desktop' button.

Investor Relations app — Edit

246 commits 2 branches 0 releases 1 contributor

branch: master jnj-ir / +

New launch screen and fade in animation.

Chris Boraski authored a day ago latest commit 3a83d9eed

Flurry iPhone SDK v4.1.0	moved directory up a level	6 days ago
Investor Relations App.xcodeproj	New launch screen and fade in animation.	a day ago
Investor Relations App	New launch screen and fade in animation.	a day ago
Investor Relations AppTests	moved directory up a level	6 days ago
Default-568h@2x.png	moved directory up a level	6 days ago
Default-Landscape@2x-ipad.png	moved directory up a level	6 days ago
Default-Portrait	moved directory up a level	6 days ago
Default-Portrait@2x-ipad.png	moved directory up a level	6 days ago
Default@2x.png	moved directory up a level	6 days ago

Code

Issues 0

Pull Requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL

<https://github.com/1>

You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

Clone in Desktop

What is GitHub?

noun

GitHub is a code repository web-based hosting service, which offers all the features of `git` as well as adding its own features, such as:

- Issue-tracking
- Wikis
- Project web pages

What is git?

noun

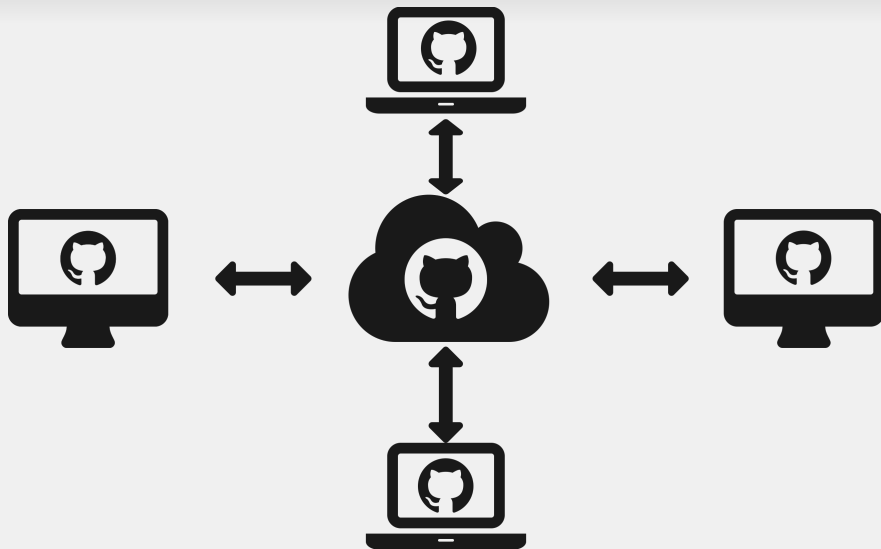
git is a distributed revision control and source code management system with an emphasis on speed, data integrity, and support for distributed, non-linear workflows.

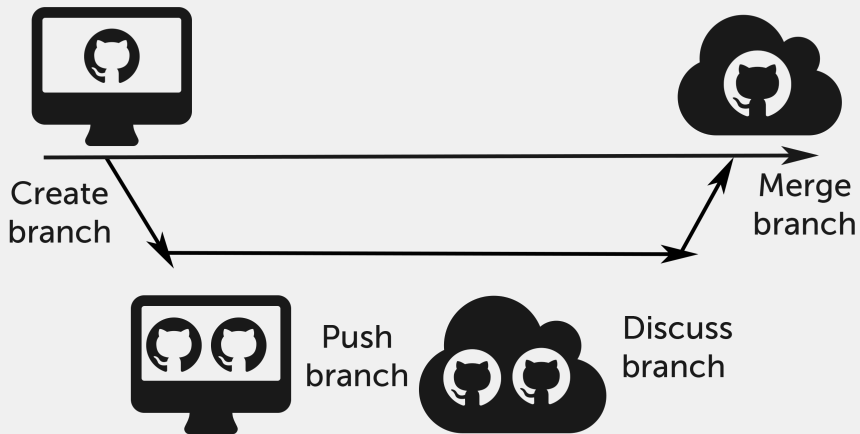

```
$ git add --all  
$ git commit -m "added awesome"  
$ git push
```



```
$ git pull
```







The collage consists of four overlapping screenshots from the GitHub web interface:

- Top Left:** A screenshot of the GitHub repository page for `octokit/net`. The left sidebar shows a list of repositories, with `octokit/net` selected. The main area displays the commit history, including merge pull requests and individual commits with their authors and dates.
- Top Right:** A screenshot of a pull request titled "Merge pull request #481 from octokit/sort-is-actua...". It shows the commit message, the diff, and the status of the pull request.
- Bottom Left:** A screenshot of the "Filter Repositories" sidebar, showing a list of repositories filtered by the search term "git-error-translations".
- Bottom Right:** A screenshot of the "Local Wisdom / jnj-ir" repository page, showing the commit history and a list of issues. The issues are categorized by date (e.g., "Commits on Nov 26, 2014") and include details like the issue title, author, and status.

Version Control

GitHub gives you
a way to browse history.

The screenshot shows a web browser window displaying the GitHub repository page for 'LocalWisdom / jnj-ir'. The repository is marked as 'PRIVATE'. The page header includes navigation links like 'Explore', 'Gist', 'Blog', and 'Help', along with repository statistics: 246 commits, 2 branches, 0 releases, and 1 contributor. A commit history table lists recent changes, including 'New launch screen and fade in animation.' and 'moved directory up a level'. The right sidebar contains links for 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings', as well as a 'Clone in Desktop' button.

Investor Relations app — Edit

246 commits 2 branches 0 releases 1 contributor

branch: master jnj-ir / +

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<> Code

Issues 0

Pull Requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL

<https://github.com/>

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

The screenshot shows a web browser window displaying the GitHub repository page for **LocalWisdom / jnj-ir**. The repository is marked as **PRIVATE**. The page header includes navigation links for Explore, Gist, Blog, and Help, along with repository statistics: 3 Unwatch, 0 Stars, and 0 Forks. The current branch is **master**.

The commit history is displayed on the left side of the page, showing commits on Nov 19, 2014, Nov 18, 2014, and Nov 14, 2014. Each commit entry includes a commit icon, the commit message, the author, the time since the commit, the commit hash, and a link to view the commit details.

Commit Date	Commit Message	Author	Time Ago	Commit Hash	View Commit
Nov 19, 2014	New launch screen and fade in animation.	Chris Boraski	a day ago	3a83d9e	<>
	Adjustment to Page Controller numbering.	Chris Boraski	a day ago	cc2778d	<>
	Webcasts and safe harbor updated for iPhone.	Chris Boraski	a day ago	5060476	<>
Nov 18, 2014	Font and Layout Adjustments	Chris Boraski	2 days ago	274489d	<>
Nov 14, 2014	moved directory up a level	PLJINS	6 days ago	ba4a04e	<>
	initial move to git	PLJINS	6 days ago	1e53f24	<>

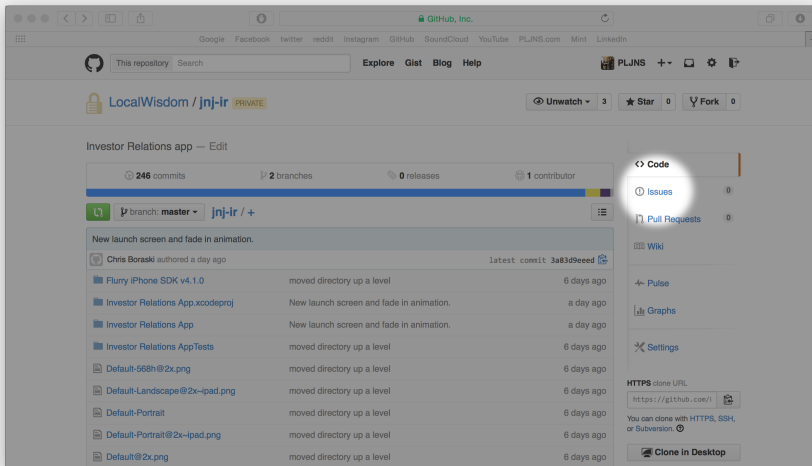
Pause for demo.

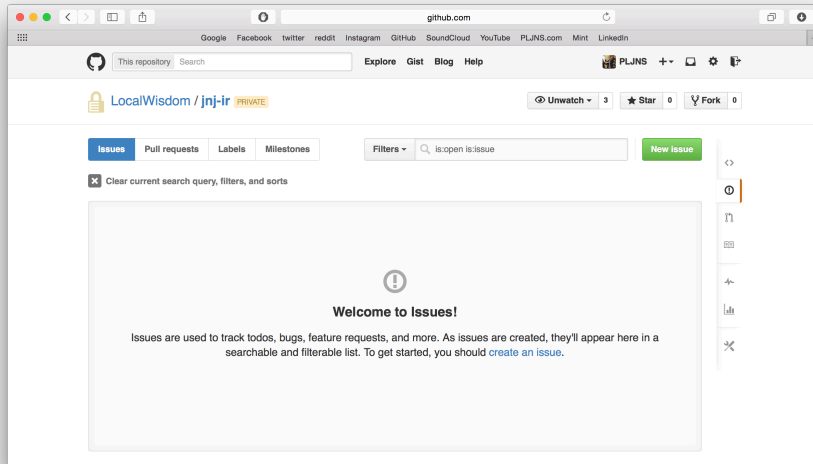
Overview

- Every commit to a PSD is a design change.
- Developers can quickly see what's new.
- Every commit describes progress.
- All viewable on Windows, Mac, and the Web.

Issue Tracking

GitHub gives you
a way to communicate with dev.





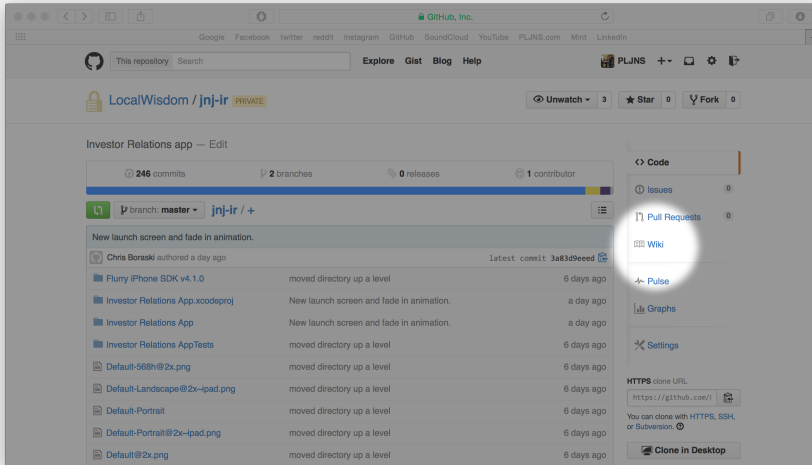
Pause for demo.

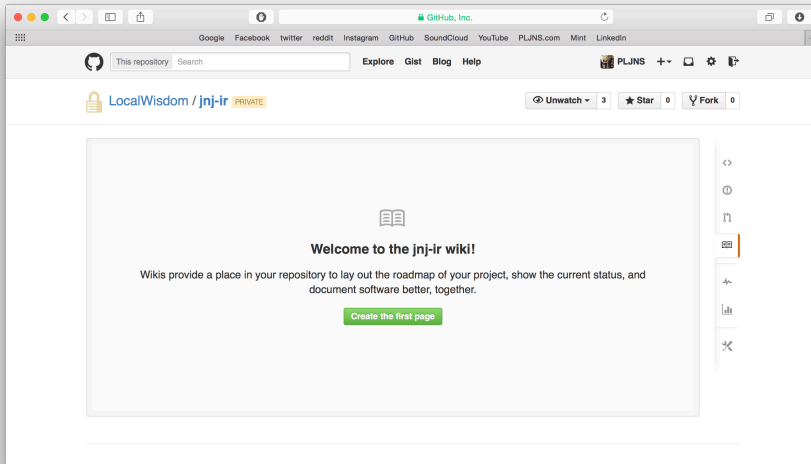
Overview

- A title and description describe what the issue is all about.
- Color-coded labels help you categorize and filter your issues.
- A milestone acts like a container for issues.
- One assignee is responsible for working on the issue at any given time.
- Comments allow anyone with access to the repository to provide feedback.

Documentation

GitHub gives you
a way to document knowledge.





Pause for demo.

Overview

- GitHub Wikis are a place in your repository where we can share long-form content about our projects, such as:
 - how to use it,
 - how it's been designed, and
 - manifestos on its core principles.
- Wikis can be edited directly on GitHub, or you can work with a text editor offline and simply push your changes.
- You can:
 - Add images
 - Create sidebars
 - Create footgers
 - Edit locally
 - View history

Conclusion

GitHub allows us to
build better software,
together.

Advanced Topics

- GitHub lets you publish HTML straight to the web from any branch named "gh_pages", making a public face for your project.
- GitHub supports mentioning people with @, linking issues using #, using emoji, and adding images, all with drag-and-drop and autocomplete.
- If you want to close issue #35, put closes #35 somewhere in your commit message. Once the commit is in your default branch (usually master), the issue will be closed.
- Markdown, the markup language used for GitHub documentation, is useful for much more than GitHub: this presentation was written in Markdown!

After this presentation, I'll send an internal all email with a link where you can use your Local Wisdom email to create a GitHub profile to get you started.

Thank you!