

# GitHub for Digital Professionals

Version Control, Issue Tracking, and Documentation

Paul Jones

Local Wisdom

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# 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 lists recent commits, including 'New launch screen and fade in animation.' by Chris Boraski. The right sidebar contains links to 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. At the bottom, 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/LocalWisdom/jnj-ir>

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

Clone in Desktop

# What is GitHub?

noun

GitHub is a code repository 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?

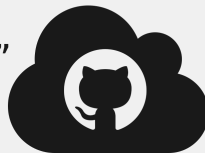
noun

git is a source control system with support for distributed and non-linear workflows.



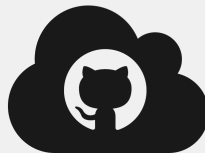
# "Source Control"

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

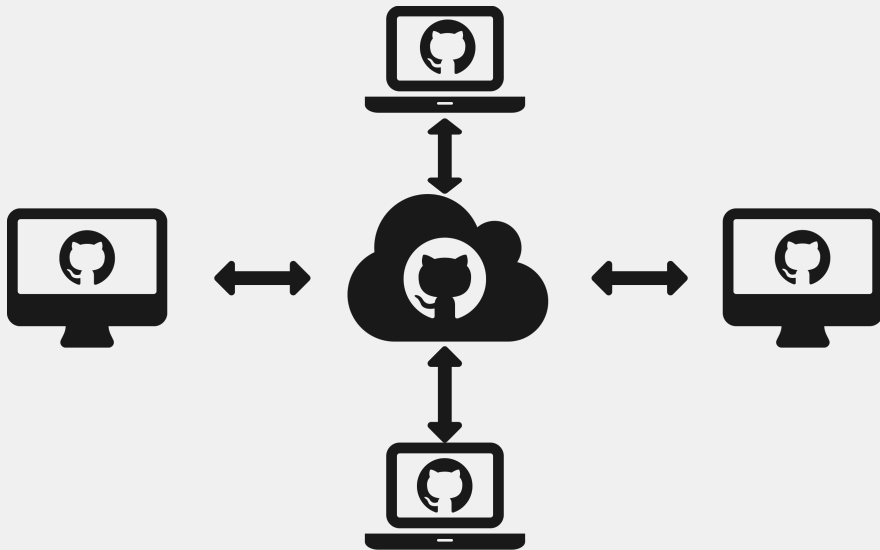


# "Source Control"

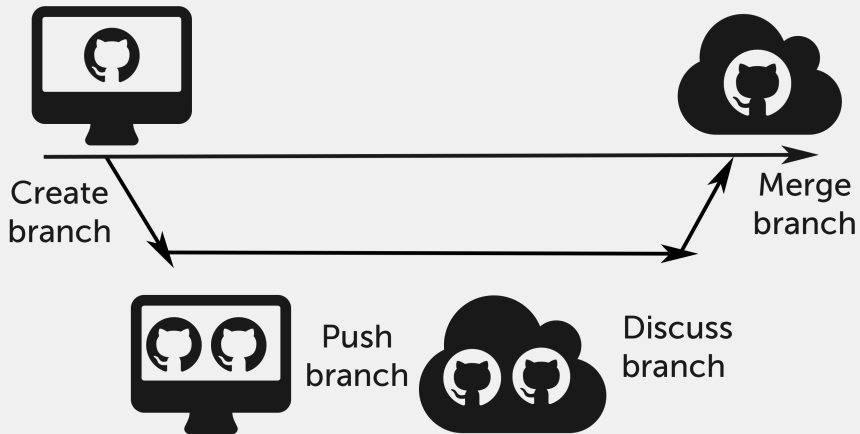
```
$ git pull
```



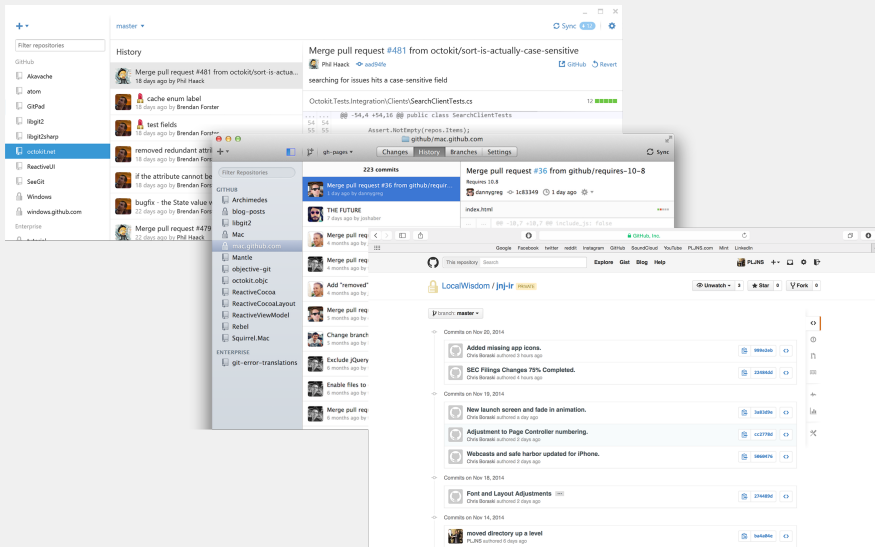
# "Distributed"



# "Non-Linear"



# All Platforms



# Version Control

GitHub gives you  
a way to browse history.

The screenshot shows a GitHub repository page for 'LocalWisdom / jnj-ir'. The repository is private and has 246 commits, 2 branches, 0 releases, and 1 contributor. The 'master' branch is selected. The commit history shows a new launch screen and fade in animation, authored by Chris Boraski a day ago. The commit message is 'New launch screen and fade in animation.' and the latest commit hash is 3a83d9eed. The commit history table lists several files and their changes:

File	Change	Time
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-lpad.png	moved directory up a level	6 days ago
Default-Portrait	moved directory up a level	6 days ago
Default-Portrait@2x-lpad.png	moved directory up a level	6 days ago
Default@2x.png	moved directory up a level	6 days ago

The right sidebar shows the repository's code, issues, pull requests, wiki, and settings. The 'Code' section is active, showing the repository's HTTPS clone URL: `https://github.com/LocalWisdom/jnj-ir`. Below the URL, it states 'You can clone with HTTPS, SSH, or Subversion.' and provides a 'Clone in Desktop' button.



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**. The repository's social and interaction metrics are shown as **Unwatch** (3), **Star** (0), and **Fork** (0). The current branch is **master**.

The commit history is displayed in a vertical timeline. The most recent commit is dated **Nov 19, 2014** and includes three entries:

- New launch screen and fade in animation.** by Chris Boraski, authored a day ago. Commit hash: `3a83d9e`.
- Adjustment to Page Controller numbering.** by Chris Boraski, authored a day ago. Commit hash: `cc2778d`.
- Webcasts and safe harbor updated for iPhone.** by Chris Boraski, authored a day ago. Commit hash: `5060476`.

Below this, the commit history for **Nov 18, 2014** shows one entry:

- Font and Layout Adjustments** by Chris Boraski, authored 2 days ago. Commit hash: `274489d`.

The commit history for **Nov 14, 2014** shows two entries:

- moved directory up a level** by PLJINS, authored 6 days ago. Commit hash: `ba4a04e`.
- initial move to git** by PLJINS, authored 6 days ago. Commit hash: `1e53f24`.

A vertical sidebar on the right side of the commit list contains icons for file explorer, search, and other repository actions.

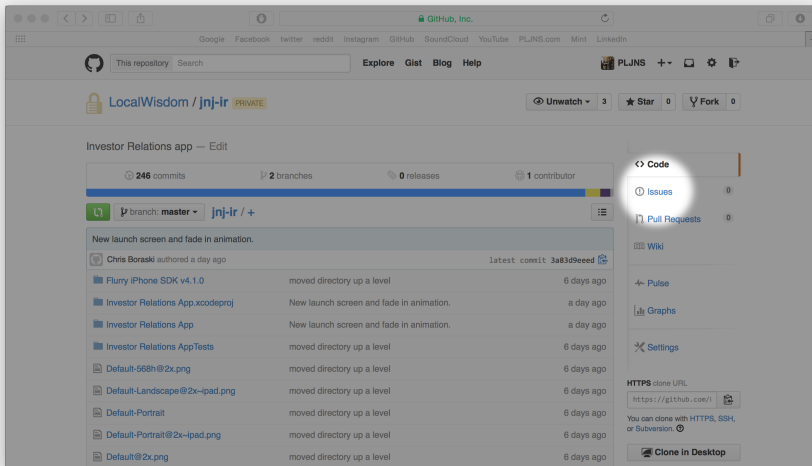
Pause for demo.

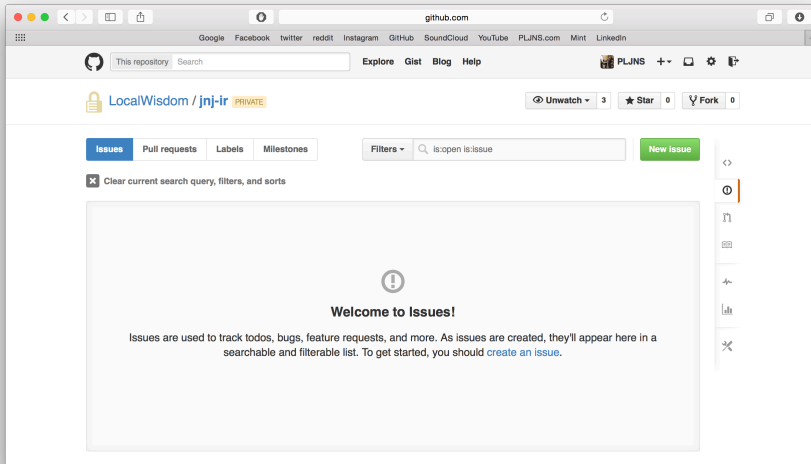
# Overview

- 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.

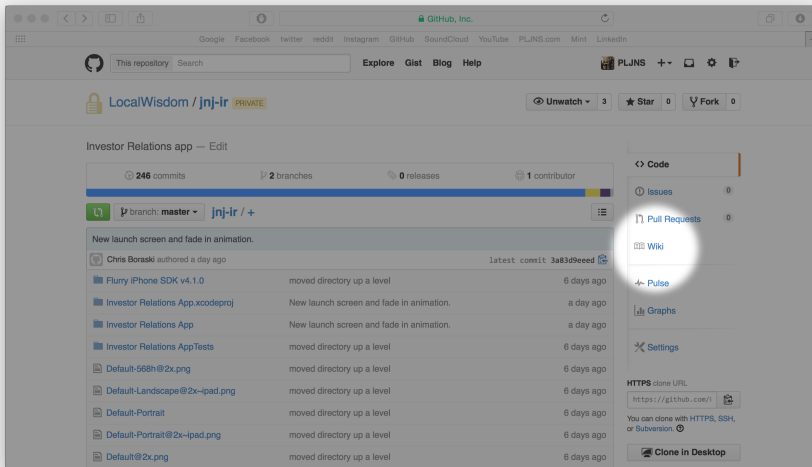


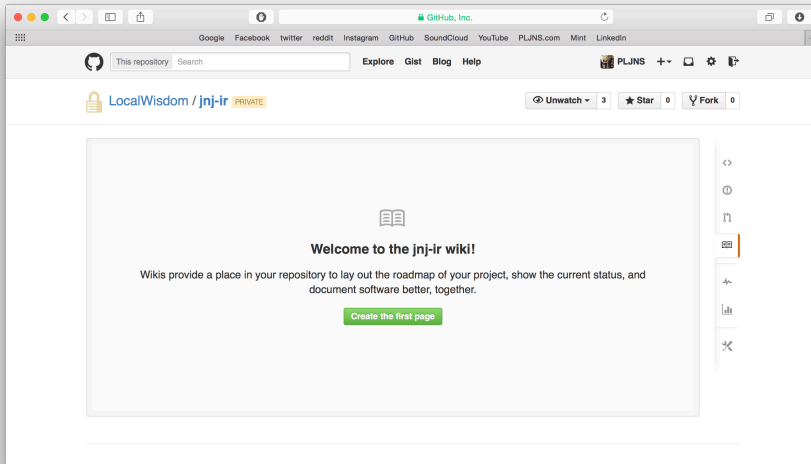
# Overview

- Title and description
- Color-coded labels
- Milestones
- One assignee
- Comments

# 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
  - planned features.
- 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”.
- GitHub supports mentioning people with @, linking issues using #, using emoji, and adding images.
- If you want to close issue #35, put closes #35 somewhere in your commit message.
- 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!