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

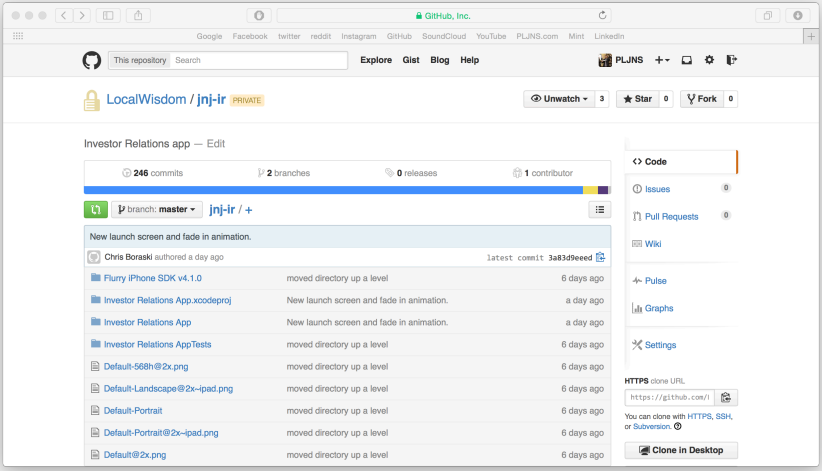
Doxygen

But now, one service provides all three functionalities.

We build software.

GitHub lets us build better.

Meet GitHub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Unwatch 3 Star 0 Fork 0
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 3a83d9eeed
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Code
Issues 0
Pull Requests 0
Wiki
Pulse
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Settings
HTTPS clone URL
https://github.com/l
You can clone with HTTPS, SSH, or Subversion.
Clone in Desktop

What is GitHub?

noun

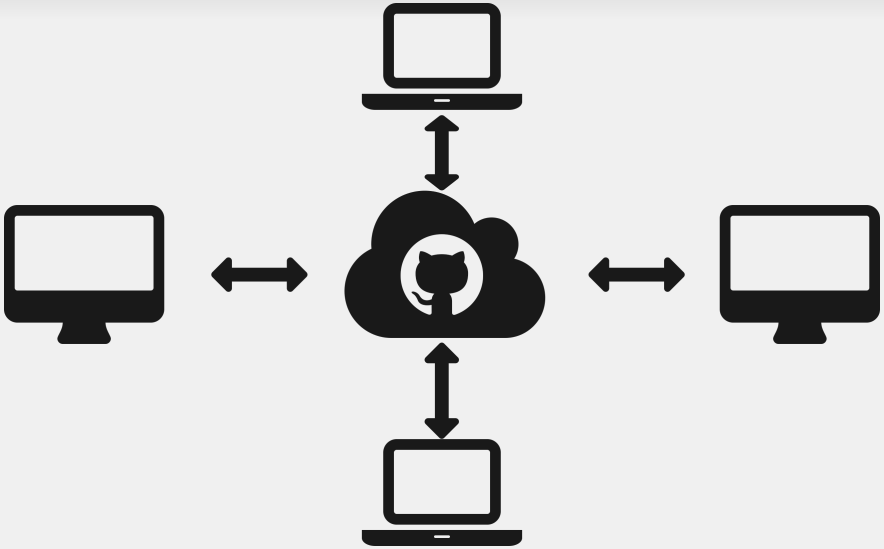
GitHub is a code repository web-based hosting service, which offers all the features of `git` as well as adding its own features, such as:

- Issue-tracking
- Wikis
- Project web pages

What is `git`?

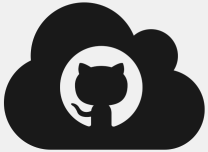
noun

`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.



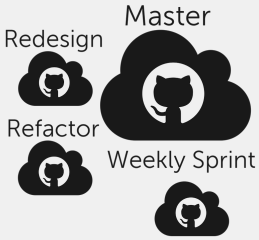
```
$ git add --all
$ git commit -m “added awesome”
$ git push
```

```
$ git pull
```

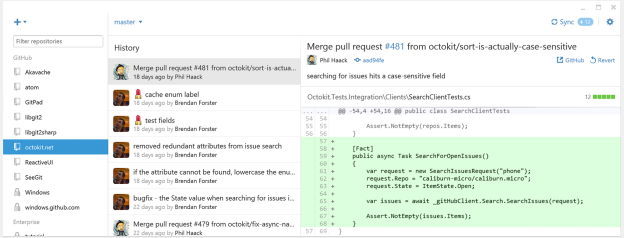


Branches

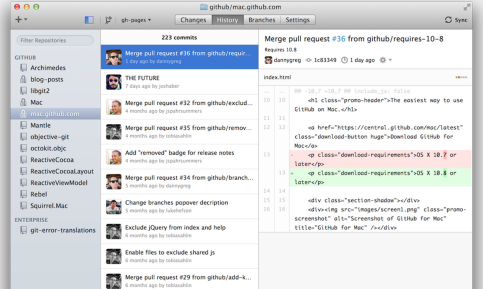
Create a branch to try out an idea, commit a few times, switch back to where you branched from, apply a patch, switch back to where you are experimenting, and merge it in.



But the command line is … dated.



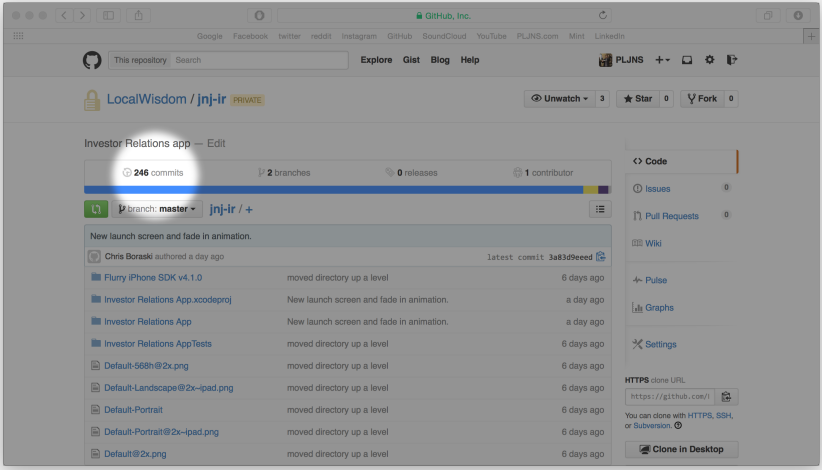
Windows



Mac

Version Control

GitHub gives you
a way to browse history.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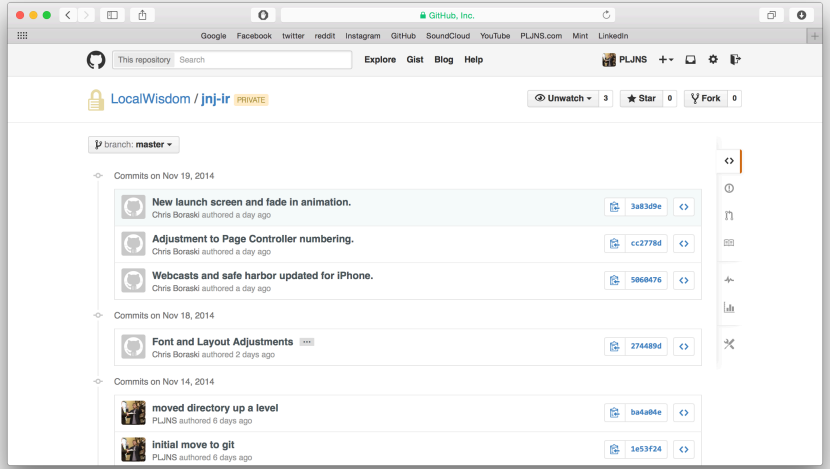
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Commits on Nov 19, 2014
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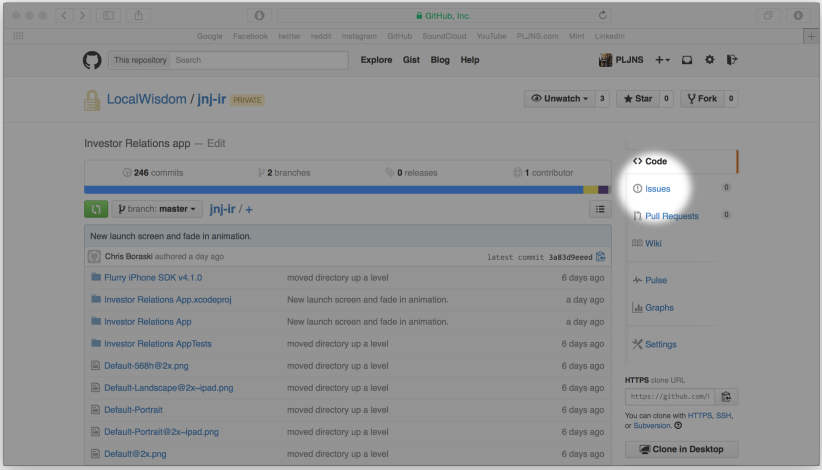
3a83d9e
Adjustment to Page Controller numbering.
Chris Boraski authored a day ago
cc2778d
Webcasts and safe harbor updated for iPhone.
Chris Boraski authored a day ago
5060476
Commits on Nov 18, 2014
Font and Layout Adjustments
Chris Boraski authored 2 days ago
274489d
Commits on Nov 14, 2014
moved directory up a level
PLJNS authored 6 days ago
ba4a04e
initial move to git
PLJNS authored 6 days ago
1e53f24

Pause for demo.

Issue Tracking

GitHub gives you
a way to communicate with dev.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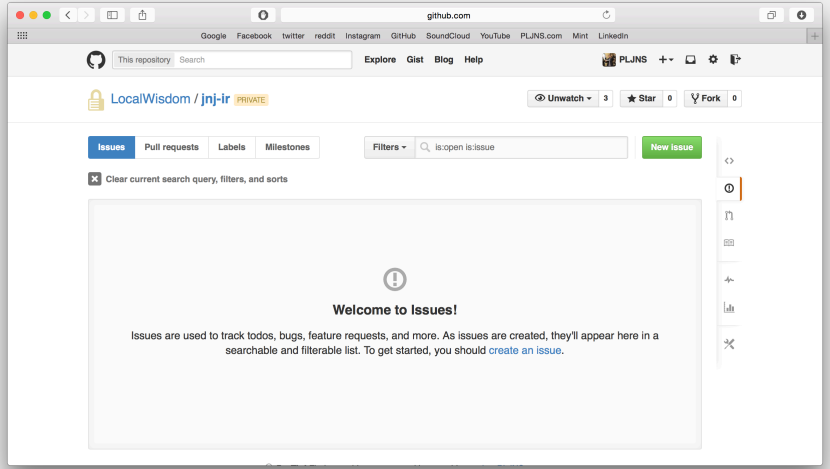
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Fork 0
Issues
Pull requests
Labels
Milestones
Filters
is:open is:issue
New issue
Clear current search query, filters, and sorts
Welcome to Issues!
Issues are used to track todos, bugs, feature requests, and more. As issues are created, they'll appear here in a searchable and filterable list. To get started, you should create an issue.

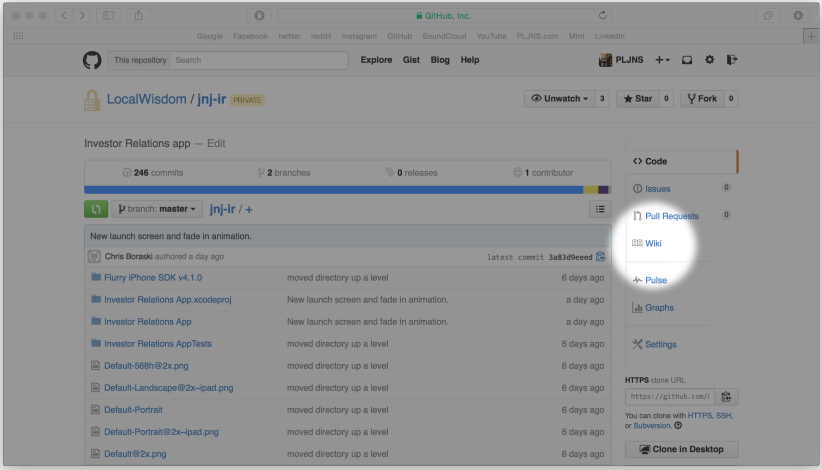
Pause for demo.

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.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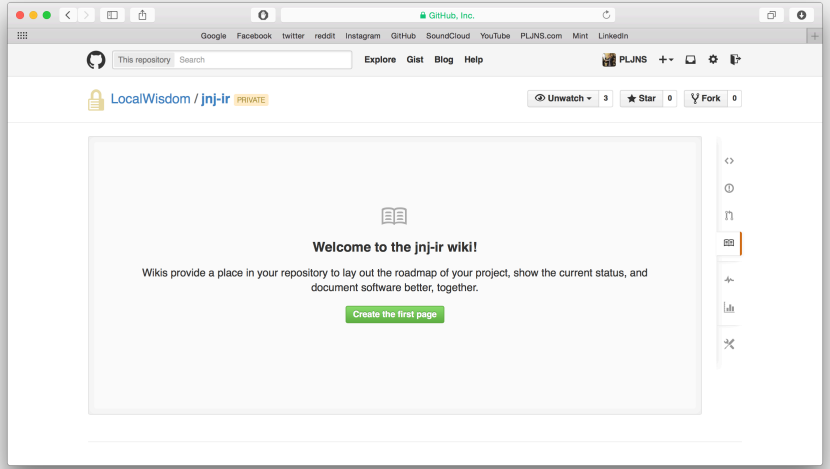
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Fork 0
Welcome to the jnj-ir wiki!
Wikis provide a place in your repository to lay out the roadmap of your project, show the current status, and document software better, together.
Create the first page

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 lets a collaborator create their own branch, change the assets on their side, and submit it to you for review from the website.
- 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.

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.