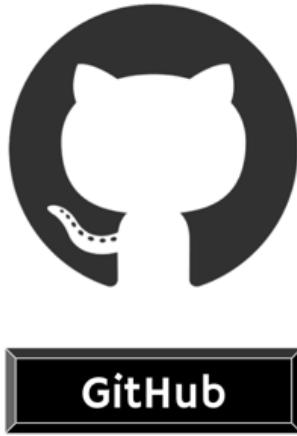




git



Produced by:

Dr. Siobhán Drohan (siobhan.drohan@setu.ie),

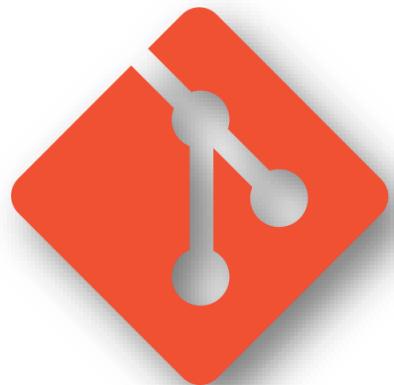
Mairead Meagher(mairead.Meagher@setu.ie)

Source:

<https://www.linkedin.com/learning/learning-github?u=57077417>

Version Control

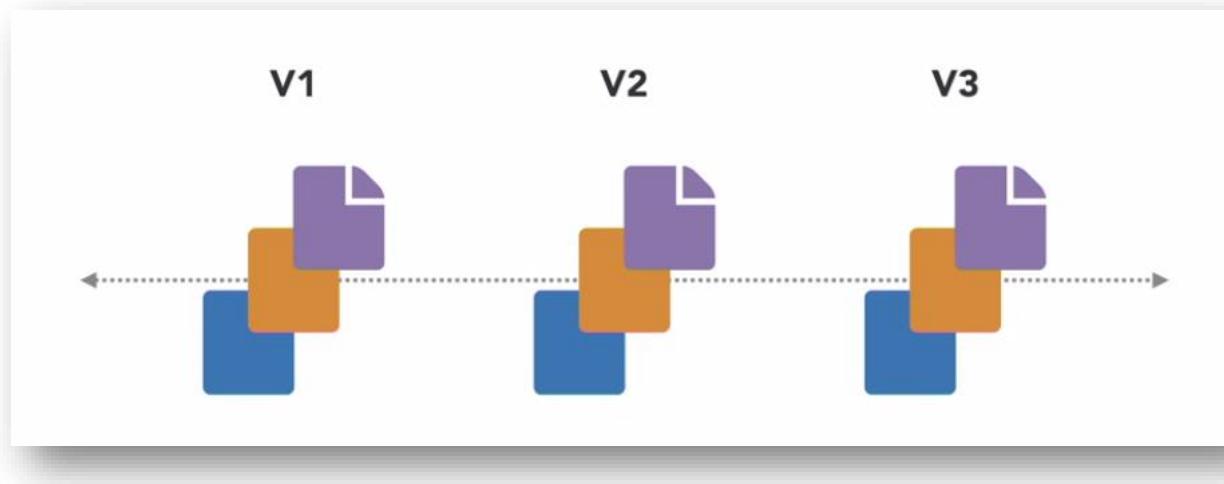
What is git



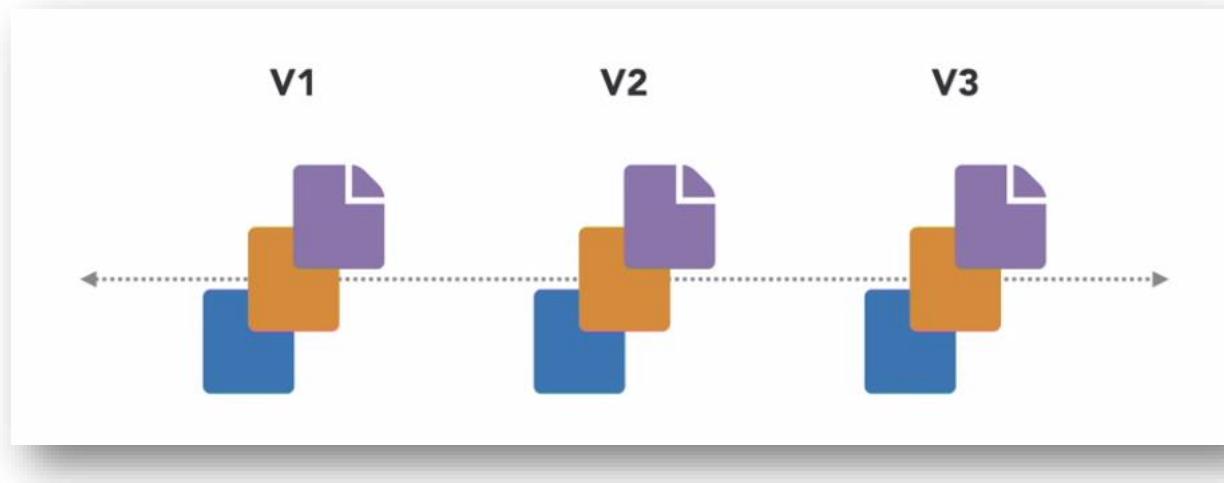
git

"Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Developed by [Linus Torvalds](#)



A Version Control System (VCS) is software designed to record **changes** made to a file or set of files over time.

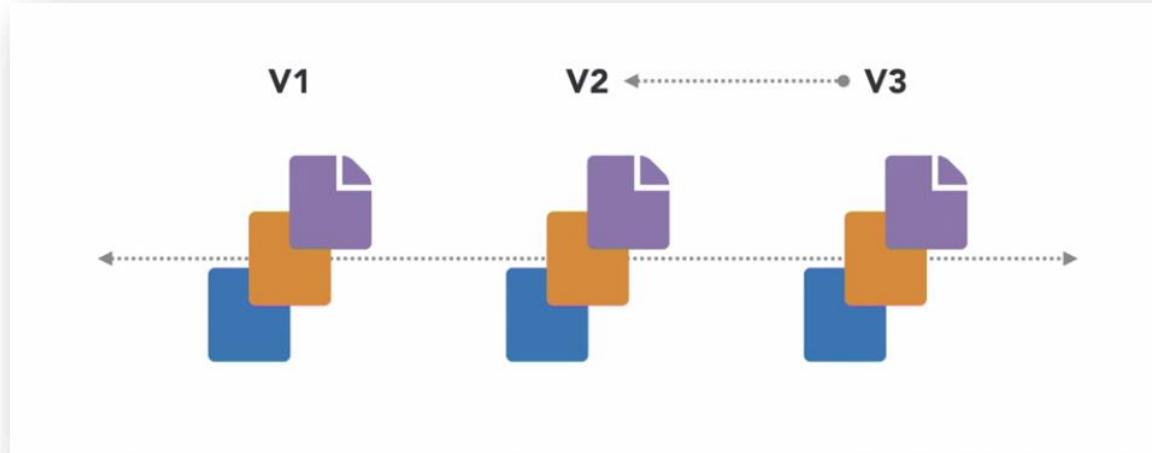


A Version Control System (VCS) is software designed to record **changes** made to a file or set of files over time.

This gives you the ability to revert or recall changes to a file, or set of files after you have made them.



If you want to go back to a version, you can revert one file to a previous version, or a selection of files to their previous versions, or even the entire project back to a specific version in time.





You can see what changes were made between files e.g.:

- When the change was introduced
- Who introduced the change
- What was changed
- Why was it changed



You can version control any type of file on git, not just source code files:





Basics of git - 1

- Git is a the version control system. Git manages all the repo's history, etc.
- When using Git, we have a Git repository (repo) which contains:
 - ❖ Source code and any other files
 - ❖ Files needed to keep the information of the various versions
(these are contained in the hidden .git subdirectory)
- The user works away on the local repo.
- Usually (but not necessarily), the user will also use a remote server so that
 - ❖ They can backup their work;
 - ❖ They can publish their work;
 - ❖ They can share their work with collaborators. This sharing is the most productive use of Git but as a starting point, not necessary.



Basics of git - 2

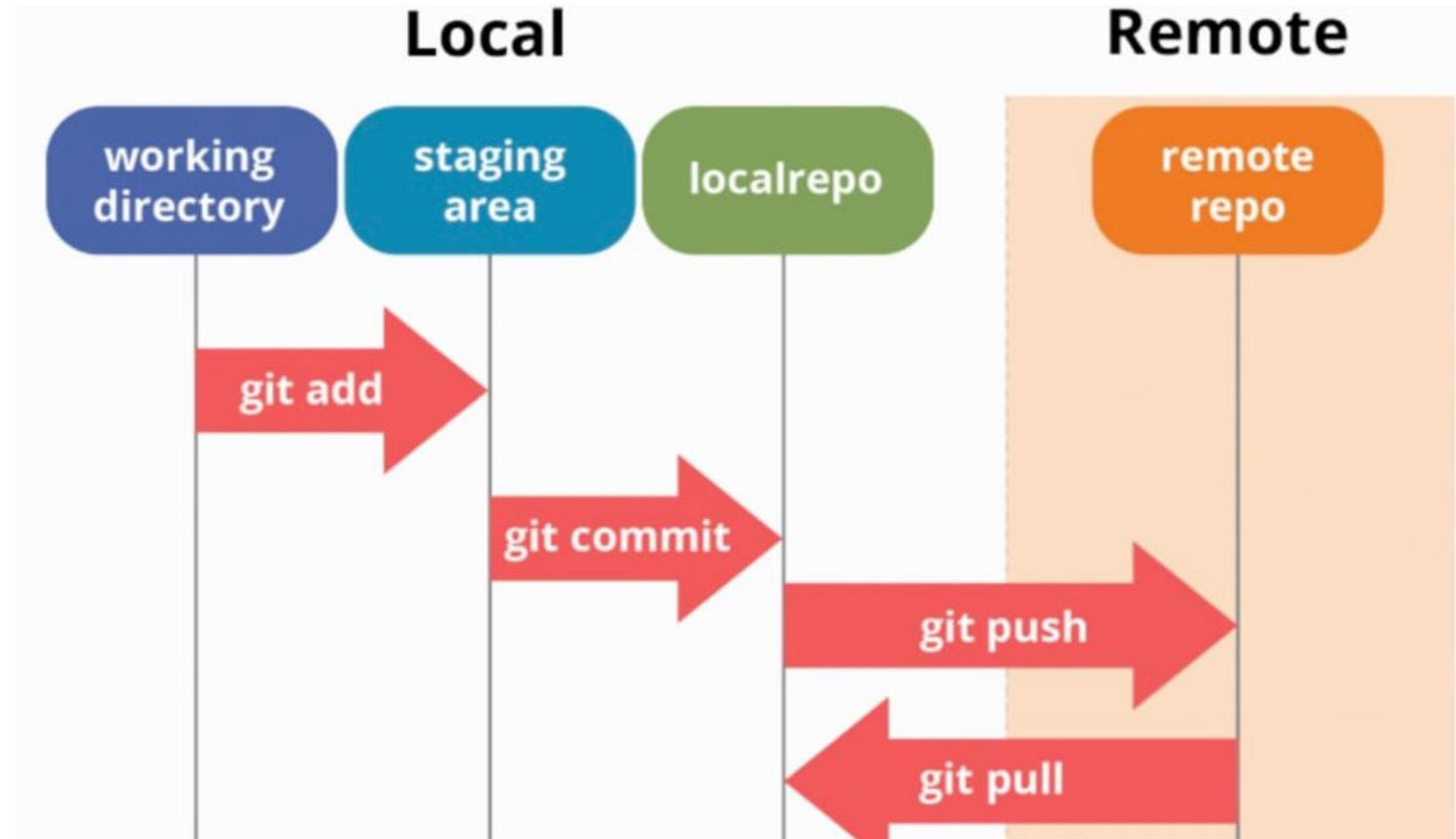
- To see a very good intro on git , see here :

<https://www.freecodecamp.org/news/learn-the-basics-of-git-in-under-10-minutes-da548267cc91/>



Basics of git - 3

Basic commands





Search or jump to...



Pull requests Issues Marketplace Explore



maireadmeagher / hello-world

Private

Unwatch 1

Fork 0

Star 0

Code

Issues

Pull requests

Actions

Projects

Security

Insights

Settings

master

1 branch

0 tags

Go to file

Add file

Code

About



Demo app

0 stars

1 watching

0 forks

Releases

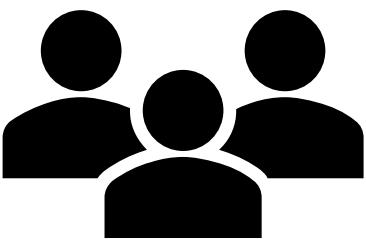
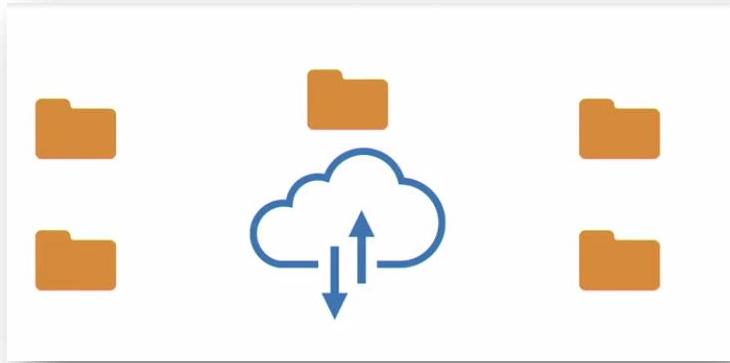
No releases published

Create a new release



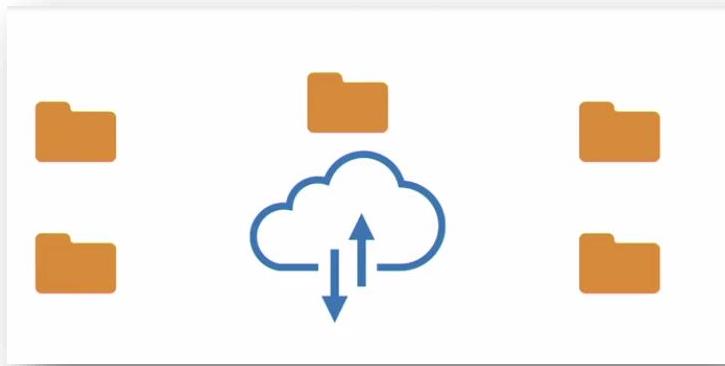
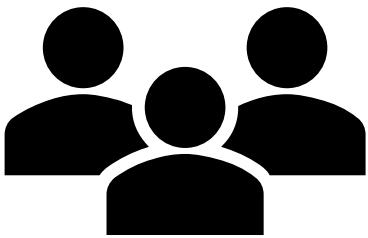
Add a README with an overview of your project.

Add a README



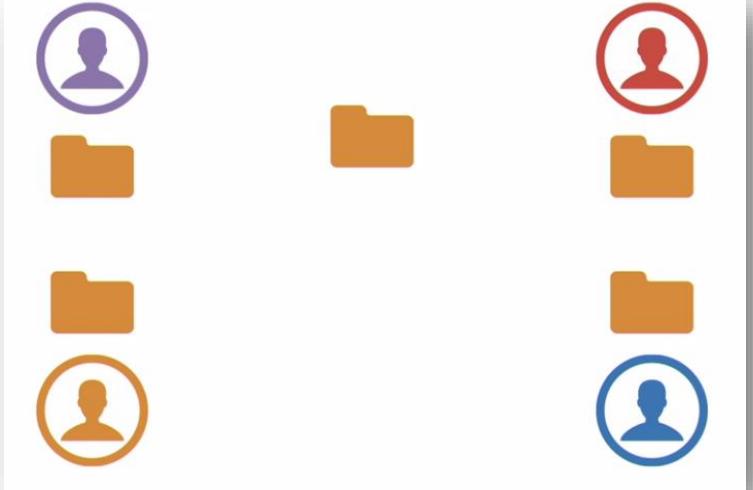
Distributed Version Control
allows for collaboration.

Each client fully mirrors the
project by pulling down the
entire repository.



Distributed Version Control allows for collaboration.

Each client fully mirrors the project by pulling down the entire repository.



Everyone has a local copy of the entire project history → full back up.



GitHub

A tour of a
repository

<https://github.com/atom/github>

Hosting services for Git repositories



Bit Bucket

GitHub

GitLab

atom/github: Git and GitHub integration for Atom

github.com/atom/github

Apps Gmail YouTube Maps WIT 2020-2021

Search or jump to... / Pull requests Issues Marketplace Explore

Watch 55 Star 826 Fork 314

Code View

All files and folders in project.

Can edit file contents via GitHub UI.

Code

Issues 401 Pull requests 33 Actions Projects 2 Wiki Security Insights

master 95 branches 166 tags Go to file Add file Code

smashwilson Merge pull request #2534 from DeeDeeG/fix-redownload-electron-... 5a8faf5 2 days ago 11,458 commits

.dependabot whitelist a bunch of dependencies (mostly only used in tests) to allo... 2 years ago

.github/workflows Flip back to nightly 3 days ago

actions Bump node-fetch from 2.6.0 to 2.6.1 in /actions/schema-up 21 days ago

bin That variable was renamed 12 months ago

docs Merge remote-tracking branch 'origin/master' into aw/fr/blank-slate 15 months ago

graphql GraphQL schema 7 days ago

img Inexpert but hopefully passable unlock icon 8 months ago

keymaps Standardize `github:selectbox-` events 12 months ago

lib Scroll to first conflict when opening editor 5 days ago

menus move the the Jump to file from the generic FilePatchView menu to the ... 11 months ago

script redownload-electron-bins.js: Correct path 2 days ago

styles CSS tweaks 6 months ago

test Oh yeah it's assert 5 days ago

.babelrc.js Electron version from env when transpiling in a non-Electron process 2 years ago

.eslintignore Tell eslint to ignore snapshotting output 2 years ago

About

Git and GitHub integration for Atom

github.atom.io atom github git atom-package atom-editor

Readme

MIT License

Releases

166 tags

Packages

No packages published

Contributors 62

E1

atom/github: Git and GitHub integration

github.com/atom/github

Apps Gmail YouTube Maps WIT 2020-2021

README.md	Link the README to GitHub Actions	6 months ago
assert-messages-plugin.js	Update Babel package imports to use "@babel/..." scope	2 years ago
codecov.yml	Disable the "changes" status from CodeCov	2 years ago
jsconfig.json	👉👉👉	3 years ago
package-lock.json	⬆️ Bump electron-devtools-installer from 2.2.4 to 3.1.1	15 days ago
package.json	⬆️ Bump electron-devtools-installer from 2.2.4 to 3.1.1	15 days ago

README.md

Atom GitHub Package

Build Code Coverage

The Atom GitHub package provides Git and GitHub integration for Atom. Check out github.atom.io for more information.

GitHub for Atom

Commit preview Git GitHub

Code View

README.md file is displayed after files and folders

Issues · atom/github x +

github.com/atom/github/issues

Apps Gmail YouTube Maps WIT 2020-2021

Search or jump to... Pull requests Issues Marketplace Explore

atom / github

Code Issues 401 Pull requests 33 Actions Projects 2 Wiki Security Insights

Watch 55 Star 826 Fork 314

Want to contribute to atom/github?
If you have a bug or an idea, read the [contributing guidelines](#) before opening an issue.
If you're ready to tackle some open issues, we've collected some [good first issues](#) for you.

Filters is:issue is:open Labels 63 Milestones 3 New issue

401 Open ✓ 861 Closed Author Label Projects Milestones Assignee Sort

Links don't open in GNOME / Linux #2529 opened 6 days ago by atd 1 of 1

Suggestion: Pressing the up arrow key in an empty commit message box shows the previous commit message #2501 opened on Aug 16 by sbirl

Cannot clone GitHub repository due to corporate proxy #2500 opened on Aug 14 by MyResearchExchange 6 of 6

UI Interact Logic: User should be able to login when working on local repositories. #2497 opened on Aug 7 by PaperFlu 1 of 1

Git commit failure (Mojave): client is not Apple-signed #2485 opened on Jul 11 by cstarkjp

Change github user on atom #2481 opened on Jun 26 by willmendil

The Issues View is used to track bugs, feature requests, etc. It can be assigned to specific members/teams. No code changes are attached.

Issues View

Used to track bugs, feature requests, etc.

Can be assigned to specific members/ teams.

No code changes are attached.

Pull requests · atom/github

github.com/atom/github/pulls

Search or jump to...

Pull requests Issues Marketplace Explore

Watch 55 Star 826 Fork 314

Code Issues 401 Pull requests 33 Actions Projects 2 Wiki Security Insights

First time contributing to atom/github?
Dismiss

Filters is:pr is:open Labels 63 Milestones 3 New pull request

33 Open ✓ 1,212 Closed

Author Label Projects Milestones Reviews Assignee Sort

Bump enzyme-adapter-react-16 from 1.7.1 to 1.15.5 dependencies
#2525 opened 7 days ago by dependabot-preview bot

Bump babel-plugin-istanbul from 5.2.0 to 6.0.0 dependencies
#2521 opened 14 days ago by dependabot-preview bot

Bump relay-runtime from 5.0.0 to 10.0.1 dependencies
#2493 opened on Jul 23 by dependabot-preview bot

Bump react-relay from 5.0.0 to 10.0.1 dependencies
#2492 opened on Jul 23 by dependabot-preview bot

Bump fs-extra from 4.0.3 to 9.0.1 dependencies
#2474 opened on Jun 4 by dependabot-preview bot

Bump keytar from 4.13.0 to 6.0.1 dependencies
#2468 opened on May 27 by dependabot-preview bot

The screenshot shows the GitHub interface for the atom/github repository. The 'Pull requests' tab is active, indicated by a red box around its button. Below the tabs, there's a modal box titled 'First time contributing to atom/github?' with instructions and links to contributing guidelines and GitHub Help. The main content area displays a list of pull requests, all of which are from the 'dependabot-preview' bot, showing updates for various dependencies like enzyme-adapter-react, babel-plugin-istanbul, relay-runtime, react-relay, fs-extra, and keytar. The pull requests are listed with their titles, numbers, and commit messages.

Pull Requests

Represents a change,
such as adding,
deleting, updating files
that the author of the
repo wants to make.

It includes code
changes.

Actions · atom/github

github.com/atom/github/actions

Apps Gmail YouTube Maps WIT 2020-2021

Pull requests Issues Marketplace Explore

Search or jump to... Actions

Code Issues Pull requests Projects Wiki Security Insights

All workflows

Filter workflows

1,095 results

		Event	Status	Branch	Actor	
✓	Update README.md	ankit4-com:master	10 hours ago 14m 55s			...
✓	Improved docs	XSarthakJain:master	16 hours ago 16m 6s			...
✓	Merge pull request #2534 from DeeDeeG/fix-redownload...	master	2 days ago 12m 8s			...
✓	script/redownload-electron-bins.js: Fix finding the Ato...	DeeDeeG:fix-redownload-elec...	2 days ago 12m 17s			...
✗	Branch selector power-up	branch-selector-powerup	2 days ago 14m 27s			...
✓	Merge pull request #2533 from atom/ci-on-nightly Flip...	master	3 days ago 14m 56s			...
✓	Flip CI back to nightly	ci-on-nightly	3 days ago 58m 17s			...

ci #135: Pull request #2536 opened by ankit4-com

ci #134: Pull request #2535 opened by XSarthakJain

ci #133: Commit 5a8faf5 pushed by smashwilson

ci #132: Pull request #2534 opened by DeeDeeG

ci #131: Pull request #2432 synchronize by smashwilson

ci #130: Commit ee1502b pushed by smashwilson

ci #129: Pull request #2533 opened by smashwilson

Actions

Allows you to automate your workflows with CI/CD. You can build, test and deploy your code from GitHub.

<https://github.com/features/actions>

Projects - atom/github +

github.com/atom/github/projects

Apps Gmail YouTube Maps WIT 2020-2021

Search or jump to... Pull requests Issues Marketplace Explore

atom / github

Code Issues 401 Pull requests 33 Actions Projects 2 Wiki Security Insights

2 Open 17 Closed

PR review author feature Updated on May 17, 2019

No description

PR review author feature Updated on May 17, 2019

Brainstorming Updated on Feb 2, 2017

Crazy feature

© 2020 GitHub, Inc. Terms Privacy Security Status

PR review author feature

11 To do

- delete comments (maybe)
- We should have a way to cancel an uncreated comment thread if you change your mind. Replace "resolve conversation" with "cancel" maybe?
- blank state for pending review tab
- ability to submit review
- discard review
- pending comment badge

In progress

Done

navigation header tabs

All Reviews Pending Review 3

@vanessayuenn

Added by vanessayuenn

summary section in pending review tab

@vanessayuenn

Added by vanessayuenn

add comment to pending review

@vanessayuenn

start new review from replying to a comment

@vanessayuenn

Added by vanessayuenn

The screenshot shows the GitHub 'Projects' feature integrated into a repository page. The 'Projects' tab is highlighted with a red box. The interface displays a Kanban board with three columns: 'To do', 'In progress', and 'Done'. The 'To do' column contains several items related to improving the PR review author feature, such as 'delete comments (maybe)' and 'We should have a way to cancel an uncreated comment thread if you change your mind'. The 'Done' column contains items related to the navigation header tabs, like 'navigation header tabs' and 'summary section in pending review tab'. The GitHub UI includes standard navigation elements like 'Code', 'Issues', 'Pull requests', 'Actions', 'Wiki', 'Security', and 'Insights'.

Projects

Allows you to visualise your work with Kanban-style boards.

No code changes here!

Home · atom/github Wiki

github.com/atom/github/wiki

Apps Gmail YouTube Maps WIT 2020-2021

Search or jump to... Pull requests Issues Marketplace Explore

atom / github

Code Issues 401 Pull requests 33 Actions Projects 2 Wiki Security Insights

Michelle Tilley edited this page on Jun 7, 2017 · 3 revisions

Roadmaps

Short Term Roadmap

Monthly Planning

- June 2017

Pages 3

- Home
- Planning
 - June 2017
- Other Docs
 - Personas

Clone this wiki locally

<https://github.com/atom/g>

© 2020 GitHub, Inc. Terms Privacy Security Status Help Contact GitHub Pricing API Training Blog About

Wiki

Documentation you
can add to your
project.

The screenshot shows the GitHub Security Overview page for the repository `atom/github`. The top navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. Below the navigation is a header with the repository name, a search bar, and metrics for Watch (55), Star (826), and Fork (314). A red box highlights the **Security** tab in the main navigation bar. The left sidebar has three items: Overview (selected), Security policy, and Security advisories (0). The main content area is titled "Security overview" and contains two sections: "Security policy" (with a "Suggest a security policy" button) and "Security advisories" (with a "View security advisories" link). The bottom of the page features standard GitHub footer links: © 2020 GitHub, Inc., Terms, Privacy, Security, Status, Help, Contact GitHub, Pricing, API, Training, Blog, and About.

Security

You can give instructions on how to responsibly report a security vulnerability in your project. You can also view any security advisories for your repo.

Pulse · atom/github

github.com/atom/github/pulse

Apps Gmail YouTube Maps WIT 2020-2021

Search or jump to... Pull requests Issues Marketplace Explore

atom / github

Code Issues Pull requests Actions Projects Wiki Security Insights

Pulse Contributors Community Commits Code frequency Dependency graph Network Forks

September 24, 2020 – October 1, 2020 Period: 1 week

Overview

5 Active Pull Requests 5 Active Issues

5 Merged Pull Requests	0 Open Pull Requests	4 Closed Issues	1 New Issue
------------------------	----------------------	-----------------	-------------

Excluding merges, 3 authors have pushed 12 commits to master and 21 commits to all branches. On master, 8 files have changed and there have been 306 additions and 20 deletions.

5 Pull requests merged by 3 people

- script/redownload-electron-bins.js: Fix finding the Atom repo's package.json #2534 merged 2 days ago
- Flip CI back to nightly #2533 merged 3 days ago
- Scroll to first conflict when opening editor #2532 merged 5 days ago

Insights

High level overview of the health / pulse of your repo.



We will see how
IntelliJ integrates
GitHub into our
projects.



Any
questions?