

Welcome!

- The goal of today is to make you comfortable with a Collaborative workflow in the GitHub interface.
- We'll practice adding resources to online project folders, working with tasks and issues, writing messages when committing to any change, making and reviewing change requests from others, and merging them.
- You'll also practice good communication with contributors.

GitHub Introduction.

Developing Collaborative work on GitHub.

[Click here for the paired online materials](#)

References: [Mozilla Science Lab's Study Group Orientation](#),

[Friendly GitHub Intro](#) &

Visual description: <https://learngitbranching.js.org/>

Previous trainers: Kirstie Whitaker, Malvika Sharan, Yo Yehudi,
Cassandra Gould van Praag, Esther Plomp, Sophia Batchelor



What is GitHub

Using the Markdown Language

Version Control for Collaboration

Create a GitHub Account

Create a Repository

Pharmaco-Epi GitHub



What is GitHub.

GitHub provides space and tools for collaboration and maintenance of projects.

It's an online hosting platform for collaborating, developing, sharing and using a version control tool called "git".

Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

Email address

Sign up for GitHub



Git is one of the most widely used version control systems in the world. It is a free, open source tool

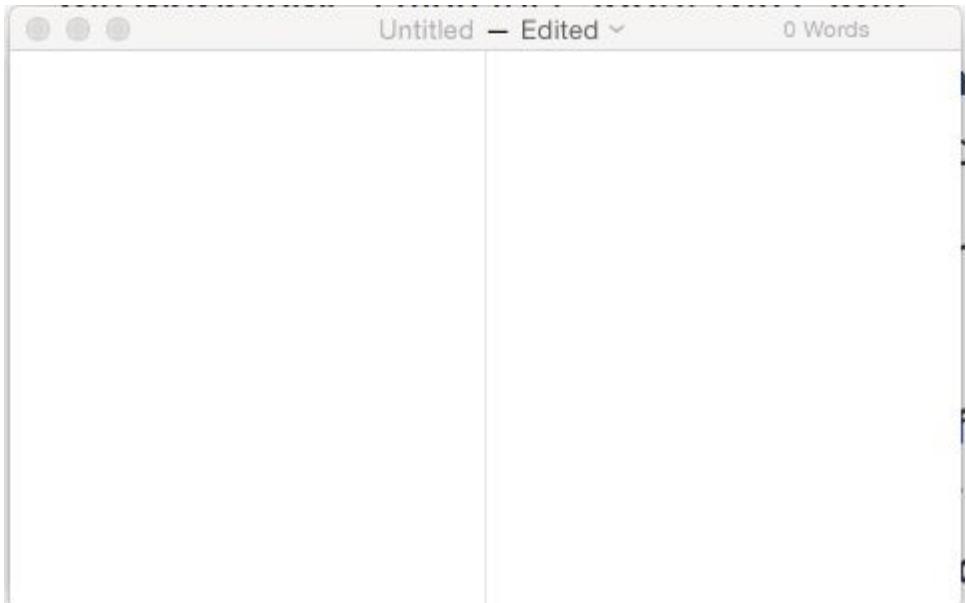
GitHub on the other hand is a popular website for hosting and sharing Git repositories remotely. It offers a web interface!

Markdown (.md) for formatting.

Markdown is a simple text
“markup” language made for
quickly writing formatted text

Great for blogs, documentation,
and even writing papers.

You may already be using it in
HackMD.



GitHub automatically renders anything written in Markdown.
This can be specific files, pull requests, issues or comments.

Some useful resources:

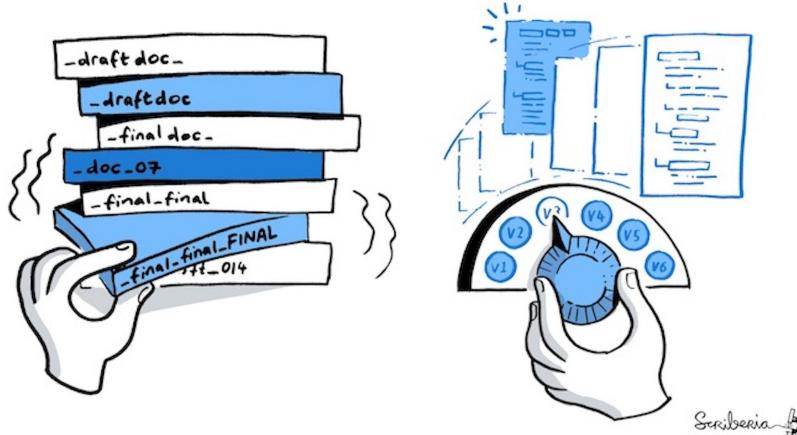
- <https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet>
- <https://www.webpagefx.com/tools/emoji-cheat-sheet>

Collaboration.



To maximise the benefit of collaboration, we use **version control!**

TRACK PROJECT HISTORY



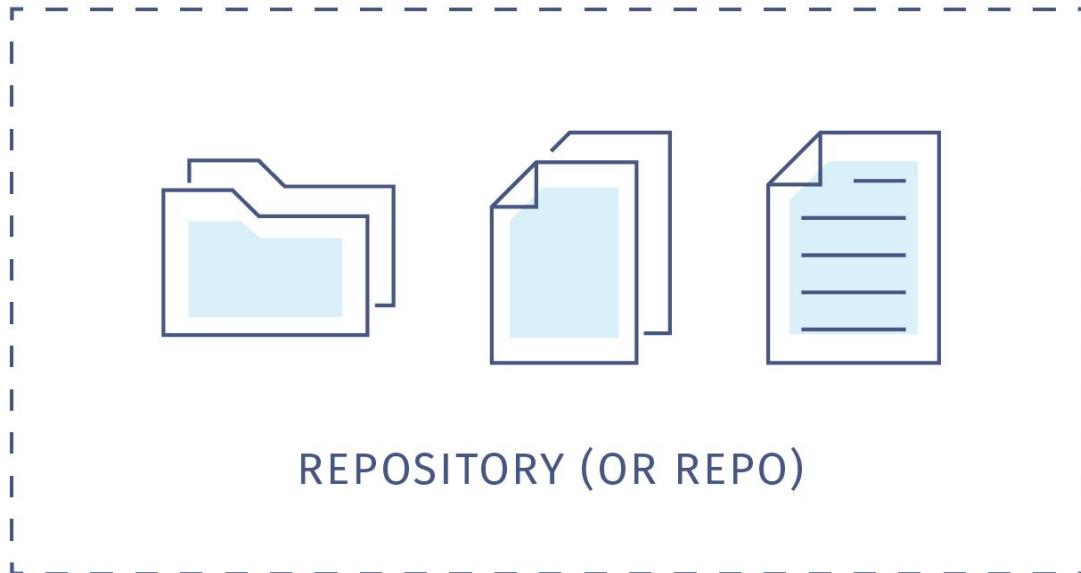


The Turing Way project illustration by Scriberia. Used under a CC-BY 4.0 licence. DOI: [10.5281/zenodo.3332807](https://doi.org/10.5281/zenodo.3332807)

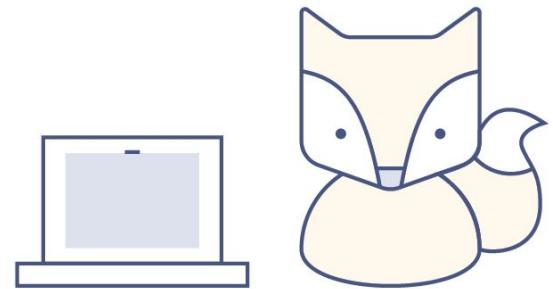
Version control allows us to:

- **define formalized ways** we can work together
- have a **robust and rigorous log** of changes to a file, without renaming (v1, v2, *final_copy*)
- to quickly **undo a set of changes**
- **understand the code** and debug
- always have a **backup** of our work

A collection of files in a folder or directory, also known as a repository, or “repo.”

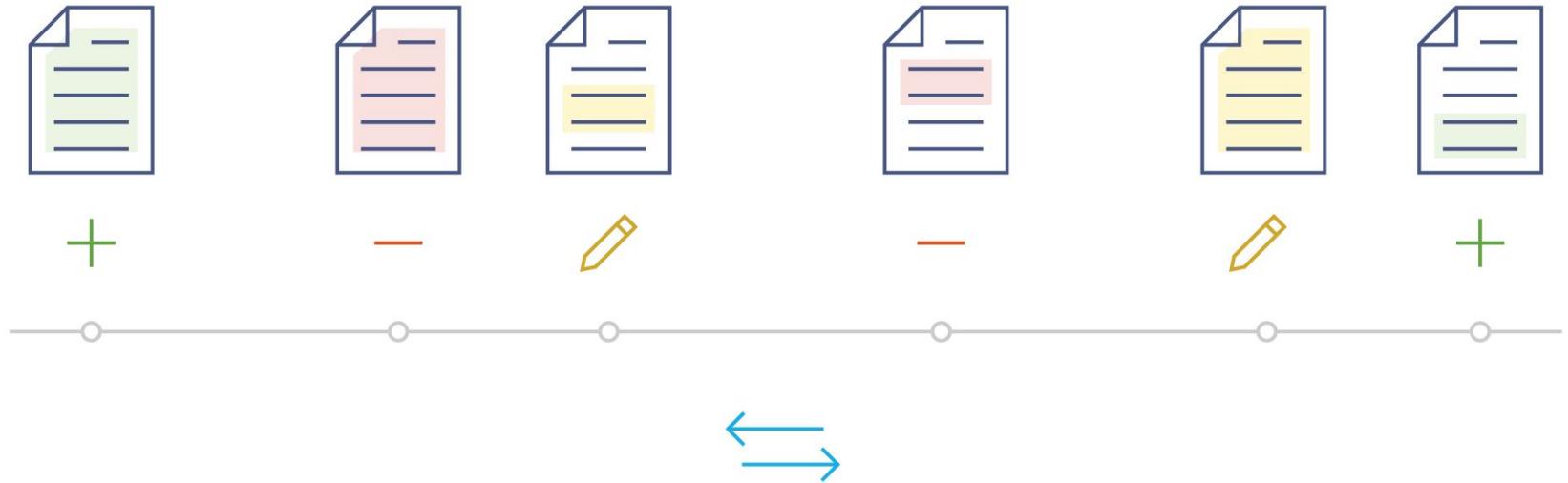


REPOSITORY (OR REPO)



Add information on changes

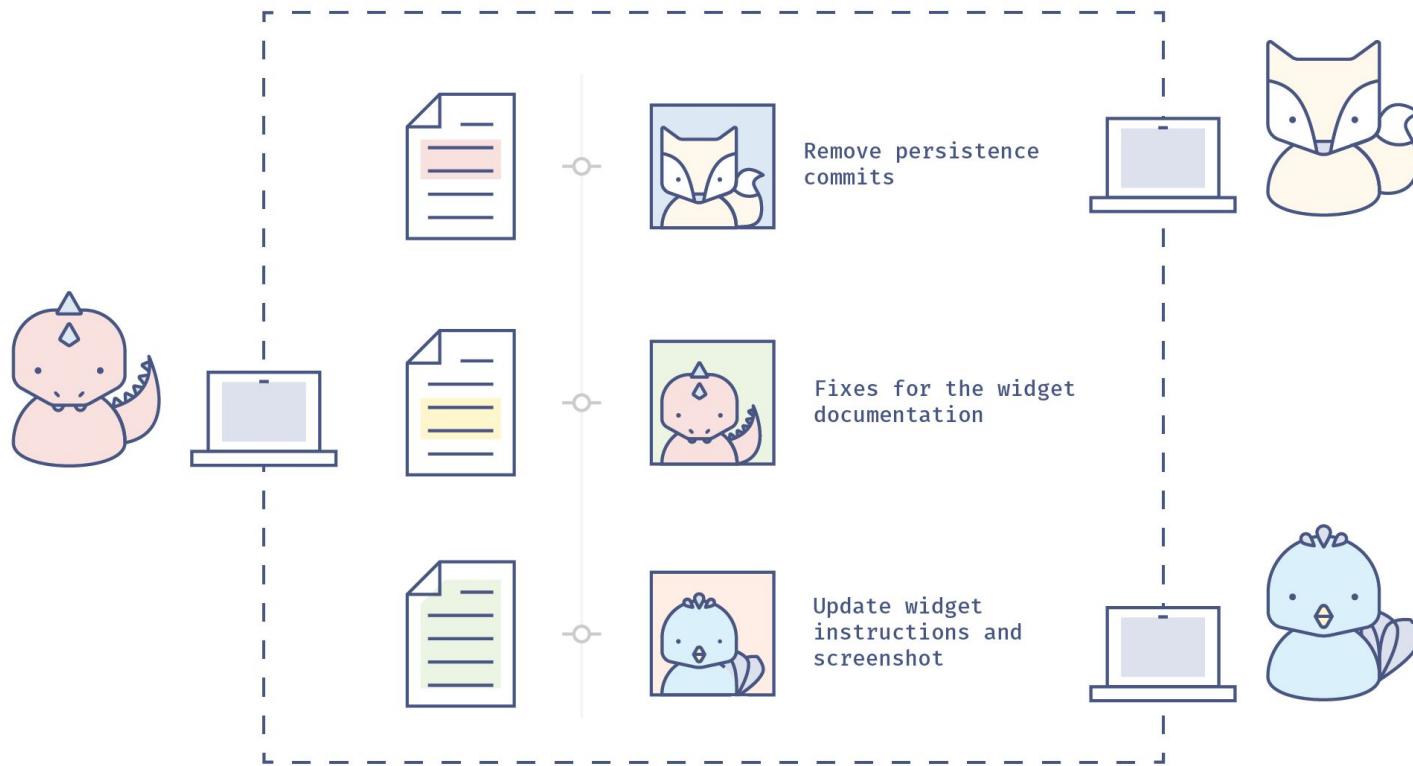




Revisions and Versions (in real-time)

You don't save copies of your document, you just save the the life story of the document, or its timeline

We can do all of this on GitHub.





GitHub

- **hosts your repositories** (projects) online
- helps you **work with contributors**/collaborators
- provides a **web interface** for version control
- can be used for **project management** and communication
- is useful for any project where a group of people are working together

What is GitHub

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Pharmaco-Epi GitHub





Let's get to know github.com

Step 1: Sign-up

Step 2: Log in

The screenshot shows the GitHub login page at https://github.com/login. It features a large GitHub logo at the top left, followed by the text "Sign in to GitHub". Below this is a form with two input fields: "Username or email address" and "Password", and a "Sign in" button. At the bottom of the form is a link "New to GitHub? Create an account.". Two orange arrows point from the text "Complete with your username and password" to the "Username or email address" field and the "Sign in" button respectively. The text "... then click" is positioned next to the "Sign in" button.

Complete with your username and password

... then click

Sign in

Exercise

Make your repo

“friendly-collab-party”

Repository (Repo)

A project where all your files
are, online or on your
computer

The screenshot shows the GitHub interface for creating a new repository. At the top, it says "Create a New Repository" and "GitHub, Inc. [US] https://github.com/new". Below that is a search bar and navigation links for "Pull requests", "Issues", and "Gist". On the right side of the header is a user icon and a menu.

The main form is titled "Create a new repository" with the sub-instruction: "A repository contains all the files for your project, including the revision history." There are two input fields: "Owner" (set to "pajanne") and "Repository name" (set to "friendly-collab-party"). An orange arrow points from the placeholder text "friendly-collab-party" in the first section to the "Repository name" field.

Below the fields is a note: "Great repository names are short and memorable. Need inspiration? How about [musical-lamp](#)." A second orange arrow points from the placeholder text "friendly-collab-party" in the second section to this note.

The "Description (optional)" field is empty. Under "Visibility", there are two radio buttons: "Public" (selected) and "Private". The "Public" option is described as "Anyone can see this repository. You choose who can commit." The "Private" option is described as "You choose who can see and commit to this repository." A third orange arrow points from the placeholder text "friendly-collab-party" in the third section to the "Public" visibility option.

At the bottom of the form, there is a checked checkbox for "Initialize this repository with a README". The description for this step says: "This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository." Below the checkbox are dropdown menus for ".gitignore" (set to "None") and "Add a license" (set to "None"). A fourth orange arrow points from the placeholder text "friendly-collab-party" in the fourth section to the "Initialize this repository with a README" checkbox.

At the very bottom is a large green "Create repository" button.

At the bottom of the page, there is footer text: "© 2016 GitHub, Inc. Terms Privacy Security Status Help" and "Contact GitHub API Training Shop Blog About". A GitHub logo is also present.



You know version control.

You created your first repo.

Create & manage
“Issues”

Pull Request to add your
changes into forked repo

Fork this repo

Your default branch
is “main” - but you
can switch or add
branches here

The “README.md”
is automatically
rendered when you
visit a repo

A screenshot of a GitHub repository page for "malvikasharan / developing_collaborative_document". The page shows the repository's main branch, "main", which has 1 branch and 1 tag. There are 1 issue and 1 pull request. The repository has 11 forks and 4 stars. The README.md file is rendered at the bottom.

Branches: main (1 branch)

Issues: 1

Pull requests: 1

Actions: 1

Projects: 1

Wiki: 1

Security: 1

Insights: 1

Code: Go to file, Add file, Code

Clone: HTTPS, SSH, GitHub CLI, URL: https://github.com/malvikasharan/developing... (Copy icon)

Open with GitHub Desktop

Download ZIP

DOI: 10.5281/zenodo.3835657

Clone to your
computer from the web
using GitHub Desktop
or git command

This material is used for teaching
non-researchers about versioning and
maintaining Open Access Documents
to invite collaboration.

malvikasharan.github.io/developing...

Readme

Download Zip to
download the zipped
repo onto your
computer

on 20 May 2020

Packages

[main](#)

2 branches 0 tags

[Go to file](#)[Add file](#)[Code](#)

dingaaling events init

b4b62cf 5 days ago ⚡ 6 commits

.github/ISSUE_TEMPLATE	Initial commit	27 days ago
communications	add glossy template/examples	7 days ago
data	Initial commit	27 days ago
docs	events init	5 days ago
models	Initial commit	27 days ago
notebooks	Initial commit	27 days ago
project-management	Initial commit	27 days ago
reports	Initial commit	27 days ago
src	Initial commit	27 days ago
.all-contributorsrc	Initial commit	27 days ago
.gitignore	Initial commit	27 days ago
CODE_OF_CONDUCT.md	Initial commit	27 days ago
CONTRIBUTING.md	Initial commit	27 days ago
LICENSE.md	Initial commit	27 days ago
README.md	Update README.md	7 days ago

README.md

Template for setting up reproducible projects

all contributors 5

"<https://github.com/alan-turing-institute/research-application-management>"

LICENSE

CONTRIBUTING

CODE OF CONDUCT

Learning Objectives

Explain the different GitHub terms

Use these commands online in GitHub



GitHub Terms that we will mention.

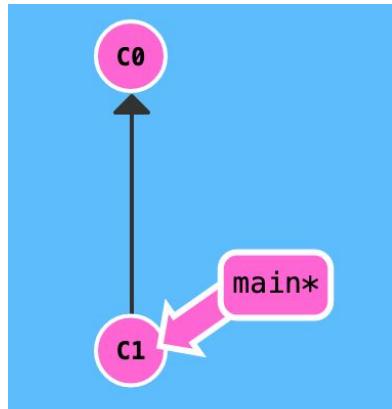
- Commit 
- Branch & Fork 
- Pull request 
- Merge 



Commit -o

Saving a version of file(s)

- ‘commit’ changes with message
(i.e.‘My first commit’)



→ ⌂ ⌂ https://github.com/alan-turing-institute/the-turing-way/commits/

-o Commits on Apr 26, 2021

Update contributors.md ...
EstherPlomp committed 16 days ago ✓

-o Commits on Apr 24, 2021

Update hyperlink so it renders in Netlify build (#1823)
inwaves committed 18 days ago ✓

Improve grammar in compendia.md (#1822) ...
inwaves and malvikasharan committed 18 days ago ✓

-o Commits on Apr 22, 2021

Update project_management/turing_mybinder_role.md
sgibson91 committed 20 days ago ✓

Exercise: My first repo

https://kirstiejane.github.io/friendly-github-intro/exercises/my-first-repo/

The image shows a split-screen view. On the left, a teal sidebar titled "Step-by-step" contains sections for "Introduction", "Stretch goal", and "Glossary". A large cartoon fox icon is at the top of the sidebar. On the right, the main content area has a header "4 Your first commit". Below it, text says: "Let's start by adding some content to your README. To make your first commit, you are going to follow a few steps:". A sub-section title "First: Click on the README.md & then edit button" is followed by a screenshot of a GitHub repository page for "joeyklei / friendly-collab-party". The repository stats show 1 commit, 1 branch, 0 releases, and 1 contributor. The master branch dropdown is selected. A red arrow points to the "README.md" file link in the file list, with the word "Click!" written next to it. The GitHub footer includes links for Status, API, Training, Shop, Blog, About, and Pricing.

Your first commit

Let's start by adding some content to your README. To make your first commit, you are going to follow a few steps:

First: Click on the README.md & then edit button

This is a screenshot of a GitHub repository page for "joeyklei / friendly-collab-party". The repository stats are shown at the top: 1 commit, 1 branch, 0 releases, 1 contributor. The master branch is selected. In the file list, there are two entries: "joeyklei Initial commit" and "README.md". A red box highlights the "README.md" entry, and a red arrow points to it with the text "Click!". The GitHub footer at the bottom includes links for Status, API, Training, Shop, Blog, About, and Pricing.

Introduction

Step-by-step

Stretch goal

Glossary

4 Your first commit

Let's start by adding some content to your README. To make your first commit, you are going to follow a few steps:

First: Click on the README.md & then edit button

joeyklei / friendly-collab-party

1 commit · 1 branch · 0 releases · 1 contributor

Branch: master · New pull request · New file · Upload files · Find file · HTTPS · Download ZIP

joeyklei Initial commit · README.md · README.md

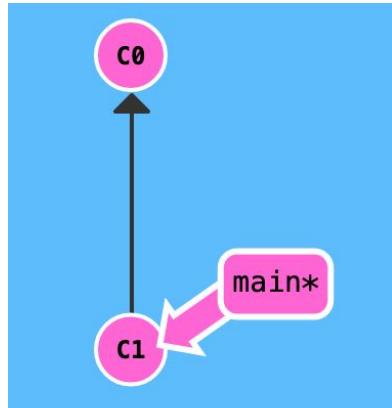
friendly-collab-party

© 2016 GitHub, Inc. Terms Privacy Security Contact Help

Status API Training Shop Blog About Pricing

Commit ➔

TASK: Add a sentence to your file and commit changes.



1 contributor

3 lines (2 sloc) | 54 Bytes

Edit this file

Raw Blame

1. Friendly Collab Party

friendly-collab-party / README.md in main

<> Edit file Preview

```
1 # Friendly Collab Party
2
3 This is my test repository.
```

2.

Commit changes

added a sentence

Add an optional extended description...

Commit directly to the main branch.

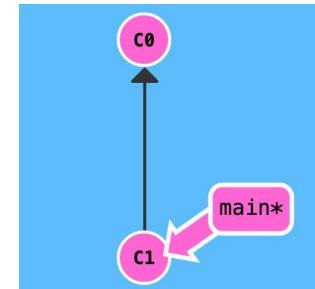
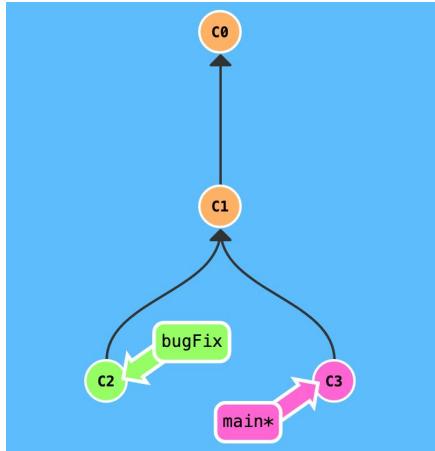
Create a new branch for this commit and start a pull request. Learn more about pull requests.

Commit changes Cancel

3.

Branch & Fork ↵

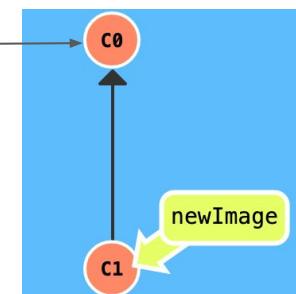
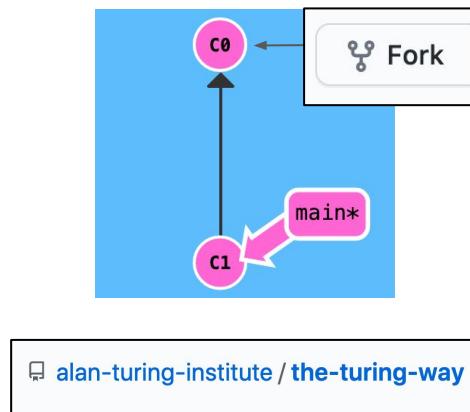
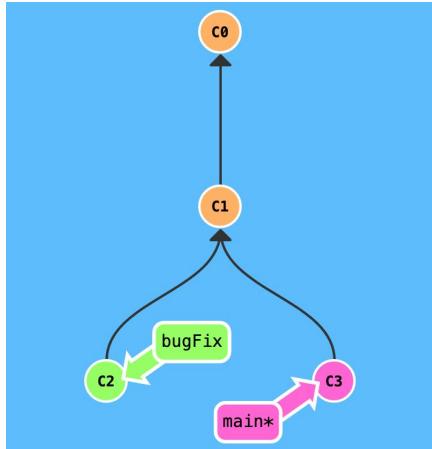
- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access



[alan-turing-institute / the-turing-way](#)

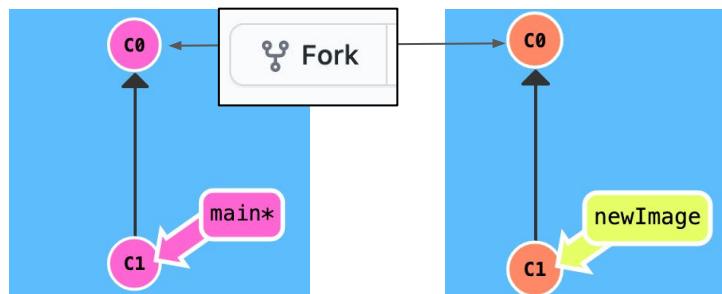
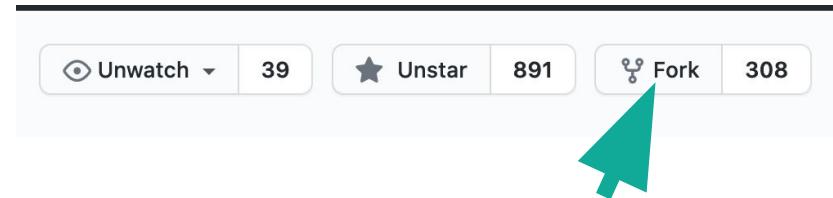
Branch & Fork ↵

- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access
- **Fork:** copy of repo that is an entirely **independent repo** ← no need of write access or intent to merge with the main



Fork 🔒

Task: Fork The Turing Way repo



user name / **the-turing-way**

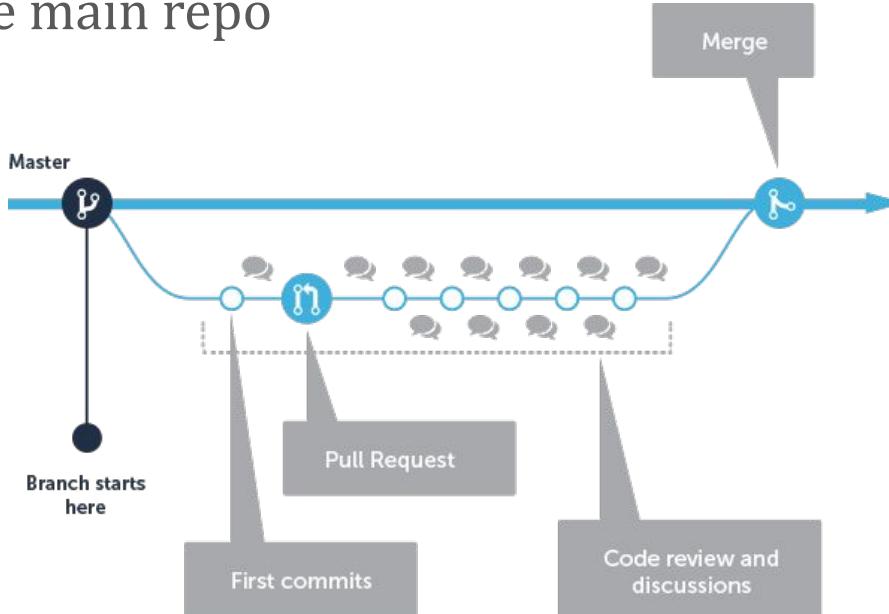
forked from [alan-turing-institute/the-turing-way](#)

[alan-turing-institute / the-turing-way](#)

[malvikasharan / the-turing-way](#)
forked from [alan-turing-institute/the-turing-way](#)

Pull Request (PR)

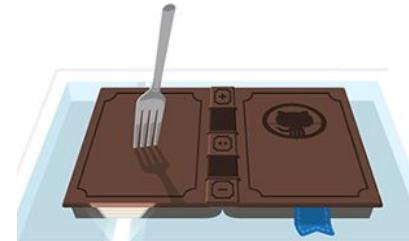
- PR: Requesting to combine the work from a forked repo or two branches to the main repo



Git/GitHub Features

Fork

make a copy of someone else repository

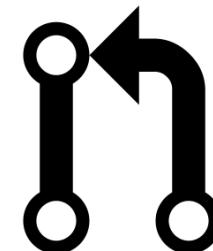


Pull request

request to add your changes into a
forked repository

Clone

copy a repository onto your local
computer



Download Zip

download the content of a repository

Fork + Pull Request

If you don't own a repo and aren't an official collaborator:

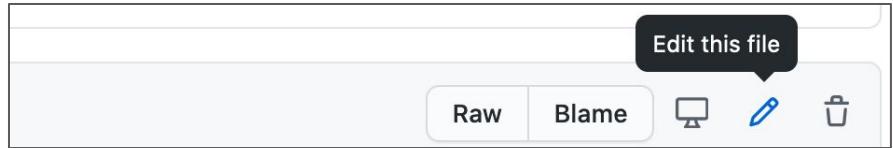
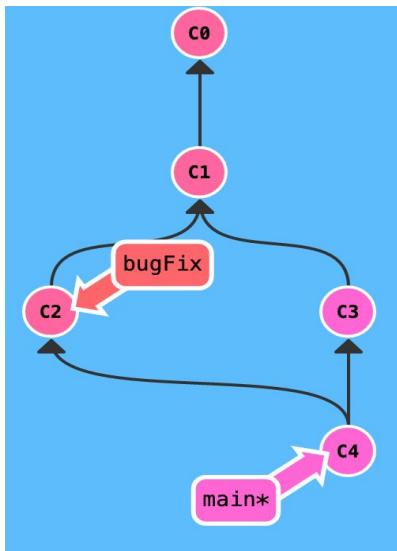
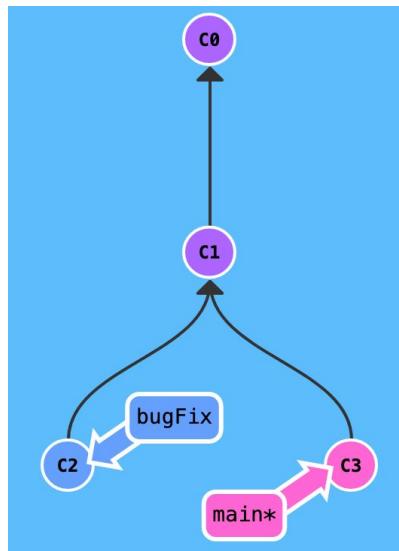
- a. you will **fork a repo**
- b. work on your forked copy of the repo
- c. *make a pull request for the changes you've made*
- d. *author/owner will decide to merge them in.*
- e. Make friends + Big party!



Pull Request (PR) - 1

Task: Edit by adding your details

<https://github.com/BrainonSilicon/friendly-collab-party/blob/main/Introductions.md>

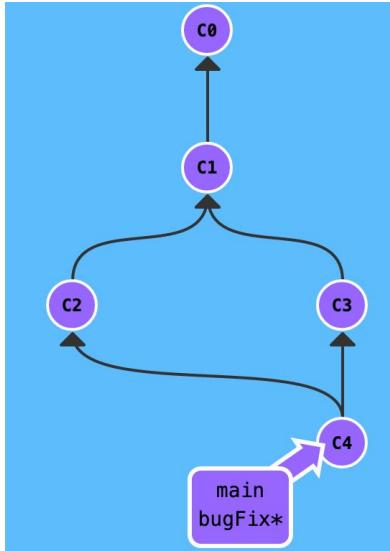
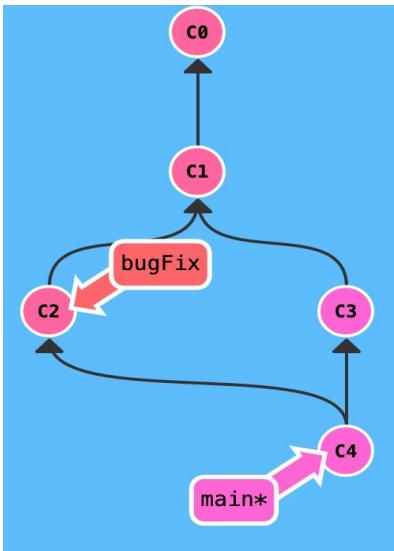


```
## Sign up below by adding your details

Name / Institute or affiliation / **What specific aspect of GitHub do you find chal
* Chilukuri Sai Dharani / Sri venkateswara engineering college /
* Guilherme B Ferreira / Universty College London /
* Dave Kupferschmidt / US National Institutes of Health /
* Kunal Verma / Jaypee University Of Information Technology /
* Kendra Phelps / EcoHealth Alliance /
* Mabrouk Boutagouga / University of Batna 1 /
* María Nanton / Buenos Aires' Ministry of Health /
* *
* *
*
```

Merge

- **Merge:** combining the work from two different branches together after review



Create a test PR #1868

Open malvikasharan wants to merge 2 commits into `alan-turing-institute:master` from `malvikasharan:master`

Conversation 0 Commits 2 Checks 0 Files changed 1

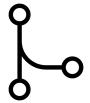
malvikasharan commented 2 minutes ago Member

Summary

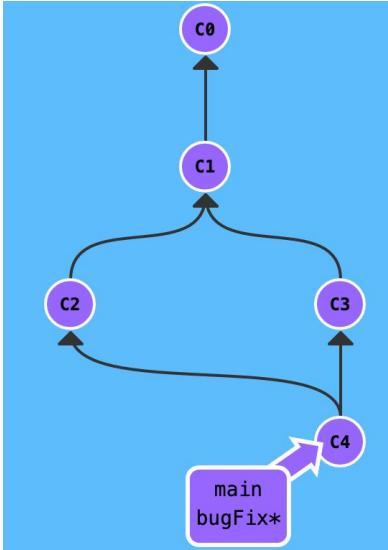
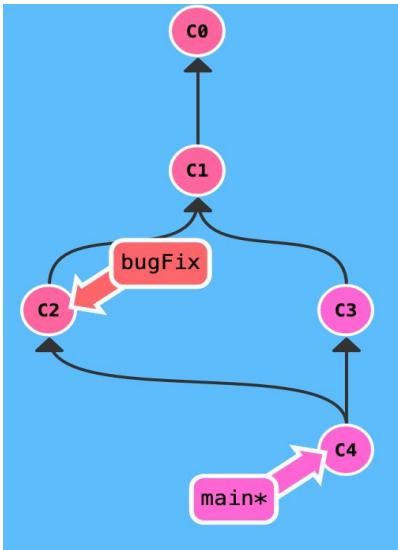
- Test PR for the workshop

Conversation 1 Commits 2 Checks 13 Files changed 1

Merge



- **Merge:** combining the work from two different branches together after review



Create a test PR #1868

Open malvikasharan wants to merge 2 commits into `alan-turing-institute:master` from `malvikasharan:master`

Conversation 0 Commits 2 Checks 0 Files changed 1

malvikasharan commented 2 minutes ago

Summary

- Test PR for the workshop

Conversation 1 Commits 2 Checks 13 Files changed 1

workshops/github-workshop/2021-05-13-intro-workshop.md

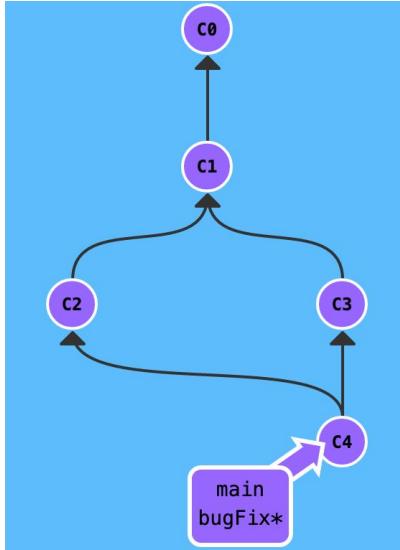
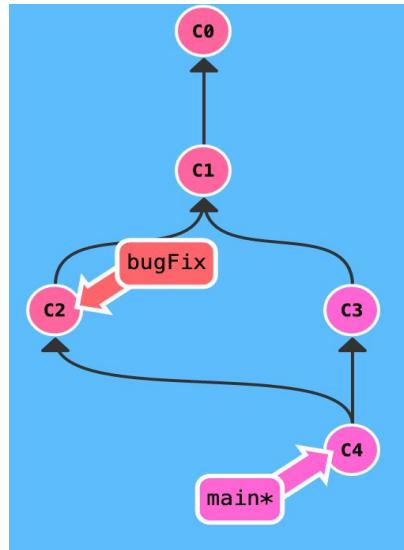
```
@@ -37,7 +37,7 @@ Name / Institute or affiliation / **What specific aspect of GitHub do you find c
37 * Kendra Phelps / EcoHealth Alliance /
38 * Mabrouk Boutagouga / University of Batna 1 /
39 * Maria Nanton / Buenos Aires' Ministry of Health /
40 - *
41 *
42 *
43
```

37 * Kendra Phelps / EcoHealth Alliance /
38 * Mabrouk Boutagouga / University of Batna 1 /
39 * Maria Nanton / Buenos Aires' Ministry of Health /
40 + * Malvika / The Alan Turing Institute / Testing this PR
41 *
42 *
43

Review before merge: Demo

```
@@ -37,7 +37,7 @@ Name / Institute or affiliation / **What specific aspect of GitHub do you find c
37 * Kendra Phelps / EcoHealth Alliance /
38 * Mabrouk Boutagouga / University of Batna 1 /
39 * Maria Nanton / Buenos Aires' Ministry of Health /
40 - *
41 *
42 *
43
37 * Kendra Phelps / EcoHealth Alliance /
38 * Mabrouk Boutagouga / University of Batna 1 /
39 * Maria Nanton / Buenos Aires' Ministry of Health /
40 + * Malvika / The Alan Turing Institite / Testing this PR
41 *
42 *
43
```

Users with write access can approve and merge PRs



Create an issue: Demo

Issues are like posts/messages

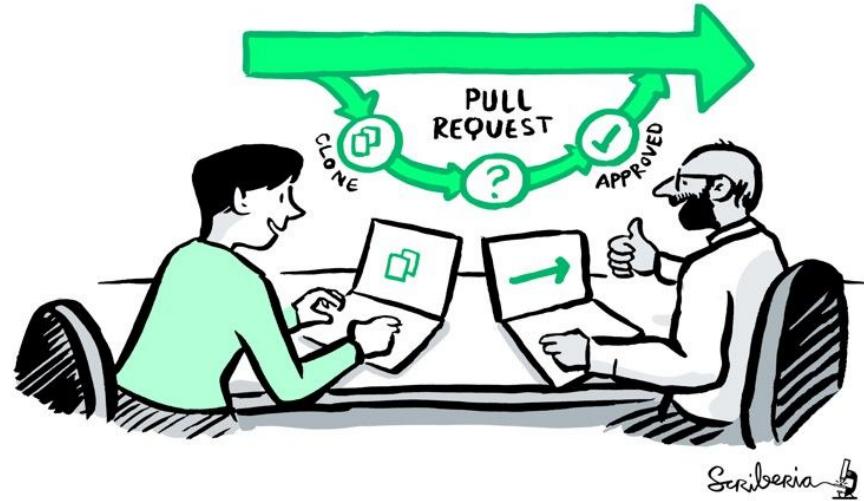
- Report bugs and errors, propose a new idea, save notes or invite discussions
- Give a descriptive header, provide details



The screenshot shows a GitHub repository page for 'alan-turing-institute / the-turing-way'. The 'Issues' tab is selected, displaying 328 issues. Below the header, there's a form for creating a new issue titled 'Issue: 🌟 General'. The form includes sections for 'Title', 'Summary', and 'Description'. A note at the bottom states: 'Styling with Markdown is supported' and 'Remember, contributions to this repository should follow its [contributing guidelines](#) and [code of conduct](#)'. A 'Submit new issue' button is at the bottom right.

Issue vs Pull Request (PR)

- With **issues**, you can **propose ideas for possible changes**, and invite discussions before you **make a PR** (or do something else).
- With **pull requests**, you can **propose changes**, discuss, and iterate on before you **merge** the changes into the project.



Using Issue & PR Features

- Different **contributors** can see what you are working on and offer help, share thoughts or learn from your work.
- Provide sufficient details, respond patiently, accept constructive feedback and **invite collaboration**.



Using Issue & PR Features

- **Advanced features:** Use labels to sort or highlight relevant PRs and issues (“good first issue”) and tag people for comments/review

Onboarding Callum as Turing cluster admin #1856

Open sgibson91 opened this issue 9 days ago · 1 comment

Edit New issue

sgibson91 commented 9 days ago · edited

Member

Actions

- Open issue in <https://github.com/jupyterhub/team-compass> introducing Callum
 - Issue here [jupyterhub/team-compass#407](#)
- Add item to May's meeting agenda to introduce Callum
- Invite Callum to the May JupyterHub & Binder team meeting
- Callum to request access to the `turingmybinder` Azure subscription through TopDesk
- Sarah to schedule meeting with Callum to give a tour of the GitHub repositories and various tools/procedures
- Sarah to schedule sync-up meeting with Callum, Kirstie and Malvika re synergies between TPS/Turing Way/Binder (Jupyter more widely)

sgibson91 added community project management labels 9 days ago

sgibson91 assigned callummole and sgibson91 9 days ago

Assignees
callummole
sgibson91

Labels
community project management

Projects
None yet

Milestone
None

Linked pull requests
Successfully merging a pull request may close this issue.
None yet

Congratulations!



You now know:

Commit 

Issue 

Pull request 

Merge 



There are many more Github features that you can **try in your own time.**



A photograph of a person performing a handstand on a rocky beach at sunset. The person's body is silhouetted against the warm orange and yellow hues of the setting sun. Their arms are extended upwards, hands clasped together in a mudra. Their legs are bent at the knees, feet pulled towards their head. The background shows the ocean waves crashing onto the shore and a dark silhouette of a forested hillside.

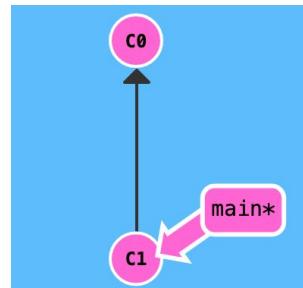
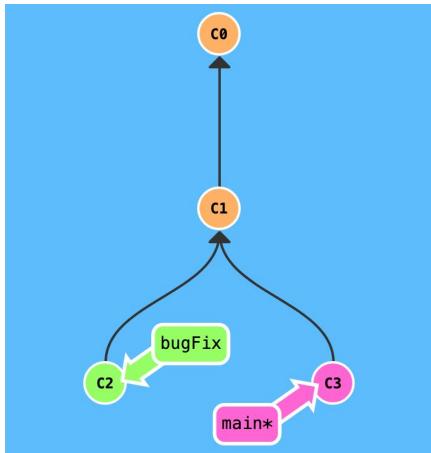
Let's make Pull
Request.

Photo from @steve3p_0 on Unsplash

Branch & PR



- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access



friendly-collab-party / README.md in main

<> Edit file Preview

```
1 # Friendly Collab Party
2
3 This is my test repository.
4
5 This sentence is being added to test making branch on my own repo.
6
```

-o- Commit directly to the `main` branch.

Create a new branch for this commit and start a pull request. Learn more

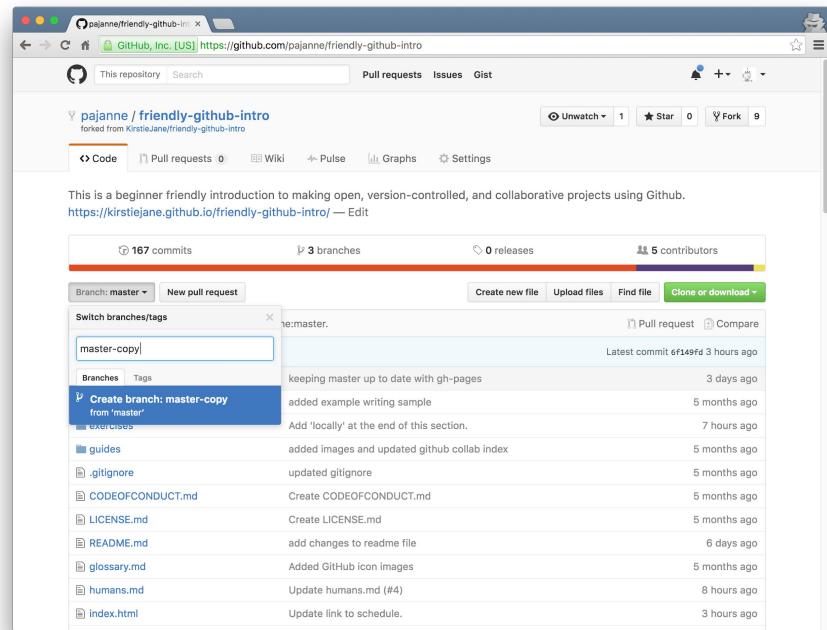
↳ malvikasharan-patch-1

Propose changes Cancel

Pull request in your own repo

Pull request
request to add your changes from a
branch back into master

Merge
act of incorporating new changes
(commits) from one branch to another



“merge” your pull request to your repo

Project Governance

Where everything is stored.

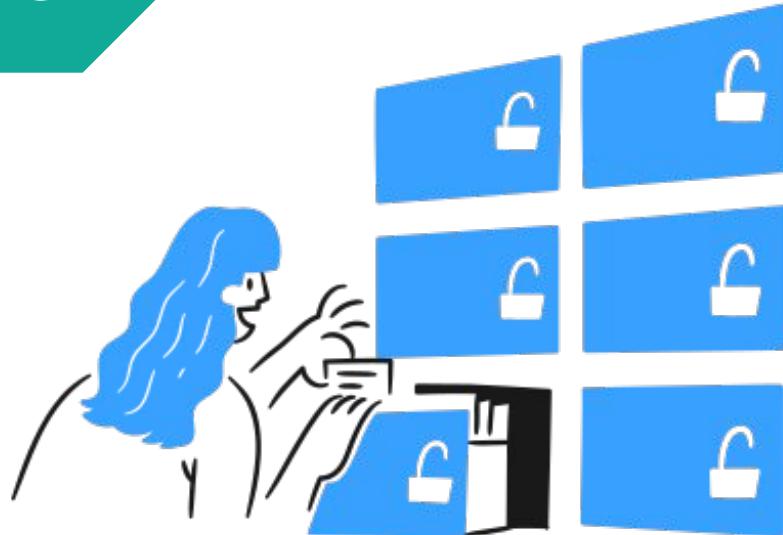
- Folders = Directories.
- README Files

Public Repositories

Private Repositories

Access

- Maintainer, read, write
- Organizations, Teams, Projects



Add collaborators

1. Only the owner of a repo can:
 - a. add people as **collaborators**
 - b. each collaborator can read/write files in the repo
 - c. each collaborator is adding files and other content →
making branches → and either directly merging changes in
or via pull requests

Settings - add collaborators here

A screenshot of a GitHub repository page for the repository "joeyklee/friendly-collab-party". The page shows basic repository statistics: 1 commit, 1 branch, 0 releases, and 1 contributor. A green button labeled "New pull request" is visible. Below the stats, a commit history is shown with one entry from "joeyklee" titled "Initial commit" made just now. The repository description "This is a repo for friendly collaboration party" is present. At the top of the page, a red arrow points to the "Settings" tab in the navigation bar.

joeyklee / friendly-collab-party

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

This is a repo for friendly collaboration party — [Edit](#)

1 commit 1 branch 0 releases 1 contributor

Branch: master [New pull request](#) [New file](#) [Upload files](#) [Find file](#) [HTTPS](#) <https://github.com/joeyklee/friendly-collab-party> [Download ZIP](#)

joeyklee Initial commit Latest commit 13e00a2 just now

README.md Initial commit just now

README.md

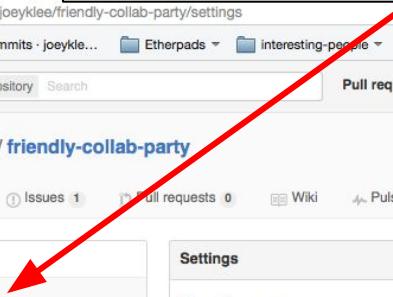
friendly-collab-party

This is a repo for friendly collaboration party

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Status API Training Shop Blog About Pricing

Click here



A screenshot of a GitHub repository settings page. The URL in the address bar is <https://github.com/joeykle/friendly-collab-party/settings>. The page title is "joeykle / friendly-collab-party". The top navigation bar includes links for "Pull requests", "Issues", "Gist", "Unwatch", "Star", and "Fork".

The left sidebar has a "Settings" tab selected, showing the following sections:

- Options**:
 - Collaborators** (highlighted with a red arrow)
 - Branches
 - Webhooks & services
 - Deploy keys
- Settings**:
 - Repository name: friendly-collab-party (with a "Rename" button)
- Features**:
 - Wikis: GitHub Wikis is a simple way to let others contribute content. Any GitHub user can create and edit pages to use for documentation, examples, support, or anything you wish.
 - Restrict editing to collaborators only: Public wikis will still be readable by everyone.
 - Issues: GitHub Issues adds lightweight issue tracking tightly integrated with your repository. Add issues to milestones, label issues, and close & reference issues from commit messages.
- GitHub Pages**:
 - Automatic page generator**: Create a beautiful site for your project with our automatic GitHub Pages generator. Author your content in our Markdown editor, select a theme, then publish.
[Launch automatic page generator](#)

Add collaborator's name here



Add collaborator's name here

GitHub, Inc. (US) | https://github.com/joeyklee/friendly-collab-party

Pull requests Issues Gist

Unwatch 1 Star 0 Fork 0

Code Issues 1 Pull requests 0 Wiki Pulse Graphs Settings

Options Collaborators Branches Webhooks & services Deploy keys

Collaborators Push access to the repository

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address Add collaborator

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Governance Example.

The screenshot shows a GitHub organization page for 'aim-rsf'. The header includes the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. The main content area displays the organization's profile information, popular repositories, and team members.

AI for Multiple Long-term Conditions - Research Support Facility
Developing data standards, best practice and community around AI for multiple long term conditions research
United Kingdom [https://www.turing.ac.uk/research/...](https://www.turing.ac.uk/research/)

Popular repositories

- Getting-Started** (Public)
Repository for core community knowledge with information about the project and how to get started.
3 commits
- rsf-website** (Public)
Repository that hosts the external AIM-RSF website.

View as: Public
You are viewing this page as a public user.
You can [create a README file](#) or pin repositories visible to anyone.

Repositories

Find a repository... Type Sort New

- community-management** (Private)
RSF Internal Use Only repository for community management
0 stars, 0 forks, 0 issues, Updated 34 minutes ago
- drug-coding** (Private)
This has been setup for collaboration on drugs coding resources within the RSF & AIM consortia
1 star, 0 forks, 0 issues, Updated 20 hours ago

People

Invite someone

Repositories and Files.

aim-rsf / drug-coding Private

Code Issues Pull requests Discussions Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code

JennyCooper1	Add files via upload	ba1f5cd 20 hours ago	18 commits
clinical-coding-meetings	last changed at Jun 14, 2022 3:35 PM, pushed by Rainiefantasy	7 days ago	
drug-list-generation-process	Add files via upload	20 hours ago	
.gitignore	Create gitignore file	11 days ago	
README.md	Update README.md	11 days ago	

About

This has been setup for collaboration on drugs coding resources within the RSF & AIM consortia

Readme 1 star 3 watching 0 forks

Releases

No releases published Create a new release

Packages

No packages published Publish your first package

Contributors 4

Rainiefantasy Mahwish M

README.md

AIM-RSF Drug Coding Repository

This repository has been setup to share resources and support collaborative work across NIHR's AIM projects.

About the Project

There is variation in how different systems approach the classification and mapping of various drugs, and it has been noted that there is a lack of single data consistency.

The Drug Coding project is supported by the AIM-RSF Data Wranglers Team to collaborate with consortia

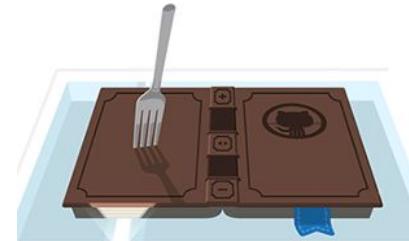
Why and When would I add collaborators?

- You're building a document and you have teammates.
- You're writing a paper and multiple people will be writing/editing.
- You're developing a new course with multiple trainers.
- You are doing an analysis and need your collaborator to review.
- etc...

Git/GitHub Features

Fork

make a copy of someone else repository

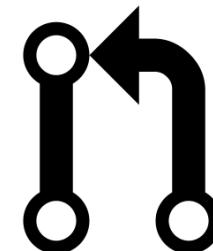


Pull request

request to add your changes into a
forked repository

Clone

copy a repository onto your local
computer



Download Zip

download the content of a repository

Create & manage
“Issues”

Pull Request to add your
changes into forked repo

Fork this repo

Your default branch
is “main” - but you
can switch or add
branches here

The “README.md”
is automatically
rendered when you
visit a repo

A screenshot of a GitHub repository page for "malvikasharan / developing_collaborative_document". The page shows the repository's main branch, "main", which has 1 branch and 1 tag. There are 1 issue and 1 pull request. The repository has 11 forks and 4 stars. The README.md file is rendered at the bottom.

Branches:

- main (selected)
- 1 branch
- 1 tag

Issues:

- 1

Pull requests:

- 1

Actions, Projects, Wiki, Security, Insights

Code, Add file, Go to file

Clone (HTTPS, SSH, GitHub CLI), Open with GitHub Desktop, Download ZIP

Use Git or checkout with SVN using the web URL: https://github.com/malvikasharan/developing_collaborative_document

Repository details:

- malvikasharan Merge pull request #11 from msundukova/patch-2
- .github/ISSUE_TEMPLATE Update issue templates
- lessons Update 7-contributing-to-other-repo
- 2021-03-10-attendees.md Merge branch 'master' into patch-2
- CODE_OF_CONDUCT.md add code of conduct
- CONTRIBUTING.md Create CONTRIBUTING.md
- LICENSE add cc-by license
- README.md Update README.md
- _config.yml Update _config.yml
- README.md

DOI 10.5281/zenodo.3835657

Clone to your
computer from the web
using GitHub Desktop
or git command

This material is used for teaching
non-researchers about versioning and
maintaining Open Access Documents
to invite collaboration.

malvikasharan.github.io/developing...

Readme

Download Zip to
download the zipped
repo onto your
computer

on 20 May 2020

Packages

Git/GitHub Feature

Project or Project Board

Sort issues, notes, to-dos in a set of columns. These could be:

- milestones
- todo/testing/done
- anything else you like!

The screenshot shows a GitHub repository named 'intermine / intermine'. The 'Projects' tab is selected, displaying three columns representing milestones: 'InterMine 4.1.2 (January 2019)', 'InterMine 4.2.0 (Spring 2019)', and 'InterMine 5.0.0'. Each column contains a list of issues with their titles, descriptions, and labels (e.g., bug, enhancement). A 'Filter cards' search bar and an 'Add cards' button are visible at the top of the board.

Roadmap & release planning
Updated 26 days ago

Filter cards + Add cards

Milestone	Issues
InterMine 4.1.2 (January 2019)	19
InterMine 4.2.0 (Spring 2019)	5
InterMine 5.0.0	1

InterMine 4.1.2 (January 2019) (19 issues)

- DataSet URLs do not appear in tables; do show in report heading (bug)
- Remove "upload to GenomeSpace" export (enhancement)
- Remove im.js, imtables.js, imtables-dep.js from intermine-webapp (enhancement)

InterMine 4.2.0 (Spring 2019) (5 issues)

- FAIR: add profile Gene and Protein markup to the report page (fair)
- Add "data sets" source -- instead of using items XML (input-needed)
- Non-existent web services should return a 404 error. (enhancement)
- CDS features need phase (enhancement)

InterMine 5.0.0 (1 issue)

- Add gradle task to stop bluegenes (future)

<https://github.com/intermine/intermine/issues/2045>

Creating small website with GitHub

Photo from @martzzl on Unsplash

Sharing information on your own website

- Oh are we ready yet?
- Do I want people to read what I wrote?
- What if they spot mistakes?

For an Open Research project:

The Answer is Yes!



Creating a small website

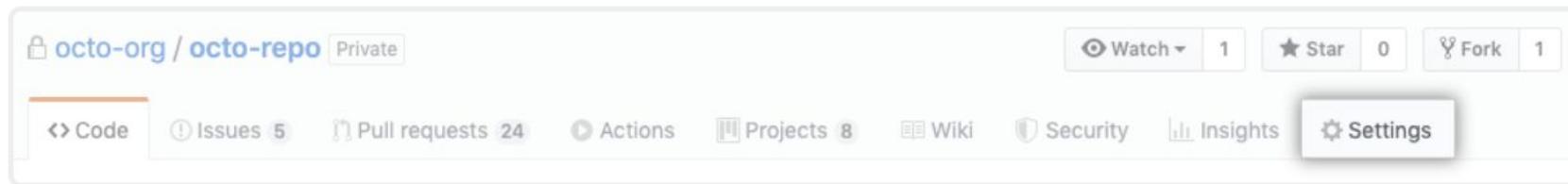
- Share things simply
- Invite people interested in your project to collaborate
- Be open about the project status and invite fixes

Working with GitHub Pages

- A static site hosting service that takes HTML (or related) files straight from a repository on GitHub
- You can host your site on GitHub's **github.io** domain or your own custom domain

Creating your site

Under your repository name, click  **Settings**.



Reference: <https://help.github.com/en/github/working-with-github-pages/creating-a-github-pages-site>

See examples

- Simple Theme:
https://github.com/malvikasharan/developing_collaborative_document
- Advanced websites using Hugo: <https://sgibson91.github.io/>
- Advanced websites using Jekyll: <https://openlifesci.org/>
- Choose from many free and open source templates

Glossary & Questions

Don't worry if you haven't gotten **all the terms** yet -
Play around more & clarify any questions by emailing.



Happy Making!



Thanks!