

THE ALAN TURING INSTITUTE
PROJECT MANAGEMENT UNIT MONTHLY MEETING

Project Management with GitHub

28 April 2023
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TPS Community Manager

Using GitHub to manage projects.

- What is GitHub
- How teams can use GitHub
- The lingo of GitHub
- GitHub's inbuilt Project Management tools
- Permissions, Access, and Limitations



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

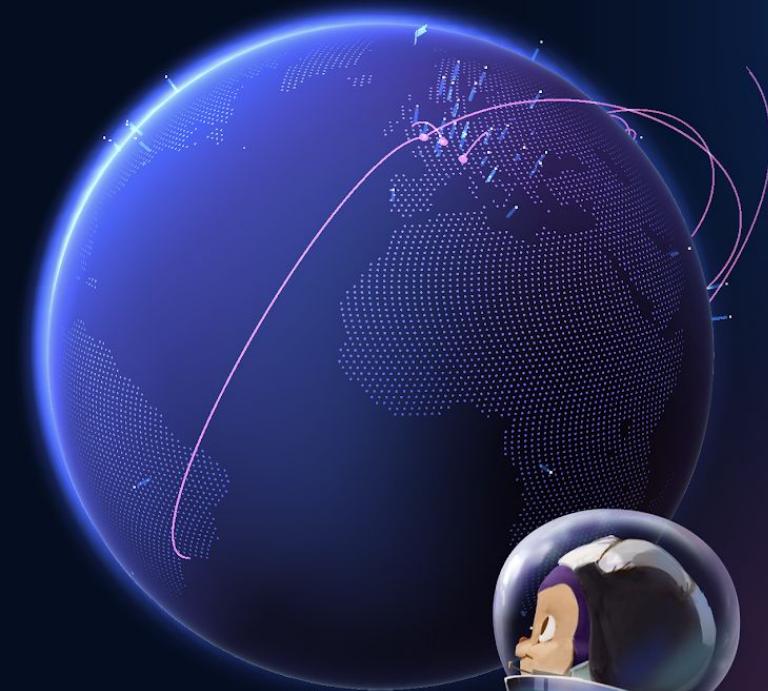
Sign up for GitHub

56+ million
Developers

3+ million
Organizations

100+ million
Repositories

72%
Fortune 50





GitHub is
actually a time
machine.

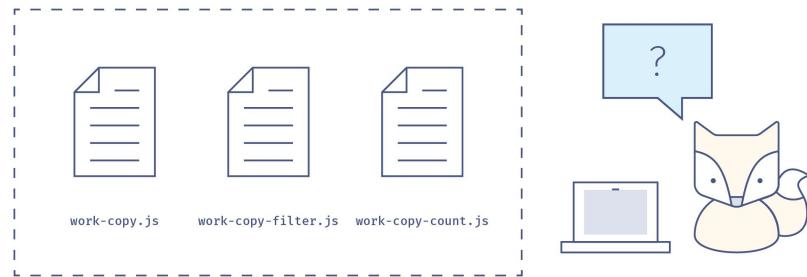


Scriberia

What is GitHub

An approach to recording changes in a file over time so that you can:

- track their history
- review any changes and
- go back to earlier versions



What is GitHub

GitHub provides space and tools for collaboration and maintenance of projects (**NOT JUST CODE!**).

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



TRACK PROJECT HISTORY



What can GitHub do?

Store files.

BrainonSilicon Merge pull request #204 from aim-rsf/m365-tutorials ...			on Mar 16	History
..				
PPIE	Fixed typo		2 months ago	
project-onboarding	Added links		3 months ago	
2022-09-14-DataWranglers-Git...	Added presentation pdf		7 months ago	
ATI_IdentityGuidelines_LONG.pdf	Adding branding guidelines		7 months ago	
EAG-application-practice-templ...	Moved forms to resources folder		7 months ago	
Email-Template-Open-Talks.md	Create email template		8 months ago	
Issue-Emoji-Key.md	Update resources/Issue-Emoji-Key.md		2 months ago	
README.md	Fixed typo		7 months ago	
collaborative-github-workshop-...	Connected file to hackmd		6 months ago	
guide-M365-collaborative-files-...	Added guide on M365 collaborative files		2 months ago	
guide-M365-setup.md	Added set up guide for setting up AIM RSF M365		2 months ago	
platform-analysis.md	Create platform analysis file		6 months ago	
role-introductions.md	Updated role-introductions		7 months ago	
slack-content-ideas.md	Added interesting event		6 months ago	

What can GitHub do?

Store files.

Track updates and changes.

A screenshot of a GitHub pull request interface. At the top, a comment from 'BrainonSilicon' is shown, dated March 16. Below it, the 'About' section notes that the PR adds 6 of the 7 plain language summaries for the consortia, which are also being added to the Glossary of Terms and have been archived here for reference. The 'What to check:' section includes a 'Grammar?' checkmark. The main area shows a commit history where 'BrainonSilicon' added 14 commits 2 months ago. Each commit is listed with an author icon, a summary, a 'Verified' badge, and a commit hash. The commits include adding plain language summaries for AI MULTIPLY, DynAIRx, DECODE, OPTIMAL PES, README, AIM CISC, MELD-B, and DECODE's summary, as well as fixing file names and updating MELD-B with sign off.

Commit Summary	Author	Status	Commit Hash
Add plain lang. summary AI MULTIPLY	BrainonSilicon	Verified	b2b49f1
Added DynAIRx plain lang summary	BrainonSilicon	Verified	9a10f3a
Added direct links	BrainonSilicon	Verified	55045e7
Added DECODE plain lang. summary	BrainonSilicon	Verified	ec6aad6
Added relative link	BrainonSilicon	Verified	d86bf9f
Added OPTIMAL PES ...	BrainonSilicon	Verified	00cd9c5
Updated README ...	BrainonSilicon	Verified	9d18cd3
Added AIM CISC plain lang summary	BrainonSilicon	Verified	3b9dbbd
Added link to AIM CISC summary	BrainonSilicon	Verified	93d71cf
Added MELD-B plain lang summary	BrainonSilicon	Verified	dbbf5a8
Added link to MELD-B sumamry	BrainonSilicon	Verified	e68b3f9
Fixed file name ...	BrainonSilicon	Verified	1e492a0
Updated MELD-B with sign off ...	BrainonSilicon	Verified	54f9083
Updated DECODE's sumary	BrainonSilicon	Verified	97c2cbe

What can GitHub do?

Store files.

Track updates and changes.

Support **collaboration** when writing or reviewing documents, changes, or new information.

The screenshot shows a GitHub pull request interface. At the top, a green checkmark icon indicates that user **eirini-zormpa** approved the changes on March 17. Below this, a comment from **eirini-zormpa** says: "amazing work! I've made some text suggestions where I thought things could be a little clearer". The code editor displays a file named **AI-MULTIPLY.md**. A green highlighted section contains the following text:

```
1 + # Plain Language Summary AI-MULTIPLY
2 +
3 + ## Background
4 + Many people live with two or more 'long-term health conditions' which include lots of different illnesses, such as cancer, heart, and mental health problems. People living with multiple long-term conditions may progress to poor health and have a shorter life expectancy. Treating multiple health conditions is a balancing act. People are often prescribed many different medicines together (known as 'polypharmacy'). Sometimes these medicines (and their side effects) can interact in unexpected ways, causing further problems.
```

Below this, another comment from **eirini-zormpa** on March 17 suggests changing the text to:

```
4 - Many people live with two or more 'long-term health conditions' which include lots of different illnesses, such as cancer, heart, and mental health problems. People living with multiple long-term conditions may progress to poor health and have a shorter life expectancy. Treating multiple health conditions is a balancing act. People are often prescribed many different medicines together (known as 'polypharmacy'). Sometimes these medicines (and their side effects) can interact in unexpected ways, causing further problems.
```

At the bottom right of the code editor, there are buttons for "Commit suggestion" and "Add suggestion to batch".

What can GitHub do?

Store files.

Track updates and changes.

Support **collaboration** when writing or reviewing documents, changes, or new information.

The screenshot shows a GitHub issue thread with three comments:

- Comment 1 (GeorgiaHCA):** "How can we make caregivers feel welcome whilst making it clear where the barrier is? How do we clearly lay out the 'rules' to those who don't naturally adhere to them without isolating or 'judging'? These are really excellent questions, which I think gets to the heart of why a bespoke CoC for AutSPACES is so important. My view for the first point is that we can be very explicit about valuing the input of caregivers, and welcome them and their support, and we can also explain the reasons for any restrictions. We can also include links to other places where caregivers can go for support? The second one is so tricky. I think it's really important that we don't encode any arbitrary, neurotypical norms, and that we encourage diverse forms of expression. Again, I think that being very explicit about this is important. We should also have very clear reasons why we will not accept, or we want to discourage, certain behaviours. If there are no clear reasons why a rule is there, we should remove it from the code of conduct, as it may just be reflecting neurotypical bias. A final point would be to welcome feedback from all, and be open to iterating the code of conduct. Recognising room for learning and that we do not have all the answers will change the power dynamic, and give people an opportunity to be represented. These are just my views! Would be curious what others think. Again, your deep thinking and reflection is hugely appreciated @skfantonni
- Comment 2 (skfantonni):** "Heya - thanks for your careful thinking and hard work on this Susanna! To respond to some of your queries: [] What do we mean when using the term 'neurology'? This term comes from the [code of conduct](#) for AutAngels which is an autistic community. I adapted it following the advice of Caroline Hearst after a talk of hers I went to, to give a rough start. It is a little confusing as a term. I think it is around respecting the unique and diverse different brains people have, and avoiding neurotypical bias. How would you want to define/rephrase it? Had a late night motivation boost. I've started putting all the discriminatory topics into a table. I'm wondering if we could just use the term 'Neurodiversity'. It'll be included in our glossary and doesn't cut out neurotypical people just emphasises that there's not only one way of thinking."
- Comment 3 (soleedadili):** "mentioned this issue 7 days ago Define procedures for moderation workflow #593 1 task Open

What can GitHub do?



Store files.



Track updates and changes.

Support collaboration when writing or reviewing documents, changes, or new information.

Help manage projects in the **same place** as your work.



What can GitHub do?

Store files.

Track updates and changes.

Support collaboration when writing or reviewing documents, changes, or new information.

Help manage projects in the **same place** as your work.

The screenshot shows a GitHub project board titled "The Turing Way Trainers & Mentors". The board is organized into three columns: "Todo" (3 items), "In Progress" (2 items), and "Done" (3 items). Each item has a status icon (Draft, In Progress, or Done), the assignee's name, and a brief description. A search bar at the top allows filtering by keyword or field.

Todo	In Progress	Done
Draft scope onboarding work	In Progress the-turing-way #2643 Archiving conference papers in Zenodo	Draft create github project and Slack channel
Draft clean up workshops folder and standardise training decks	Draft add missing presentations to Zenodo and github table	Draft the-turing-way #2541 Updating Turing Way Issue Templates + Chapter in TTW
Draft post training materials from reproducible open and FAIR research workshop		Draft review PR #2591

What can GitHub do?

Store files.

Track updates and changes.

Support collaboration when writing or reviewing documents, changes, or new information.

Help manage projects in the **same place** as your work.

The screenshot shows the GitHub profile page for 'The Alan Turing Institute'. At the top, there is a header with the institute's logo, name, and a brief description: 'The UK's national institute for data science and artificial intelligence.' Below the header, there are links for Overview, Repositories (451), Projects (60), Packages, Teams (64), and People (435). A 'Pinned' section contains a box for the 'notice-board' repository, which is described as a 'Community notice board for the Turing Institute'. It has 11 stars and 1 fork. Below this is a 'Repositories' section with a search bar and filters for Type, Language, Sort, and New. Several repositories are listed:

- AutSPACES** (Public) - Code repository for AutSPACES: the Autistica/Turing citizen science platform. (HTML, 25 stars, MIT license, 16 issues, updated 28 minutes ago)
- trustchain** (Public) - Decentralised public key infrastructure. (Rust, 2 stars, Apache-2.0 license, 3 issues, updated 14 hours ago)
- trustchain-mobile** (Public) - A reference credential wallet built on Flutter and DIDKit. (Dart, 0 stars, Apache-2.0 license, 23 issues, 6 pull requests, 0 forks, updated 14 hours ago)
- sqlsynthgen** (Public) - Synthetic data for SQL databases. (Python, 2 stars, MIT license, 0 issues, 4 pull requests, updated 15 hours ago)
- ARC-project-template** (Public template) - A template repo for ARC projects.

The Lingo of GitHub.

The Turing Way's ***Git Good*** Workshop walks through how to use GitHub and familiarizes participants with its terminology.

The
Alan Turing
Institute

Git Good: Introduction to GitHub for Collaboration



The Lingo of GitHub.

- **Repositories** form the basis for **Documentation**
- **Project Boards** form the basis for **Project Management**
- You will need to decide if it's a **repository** level project board,
or if it's an **organization** level project board
- **Organizations** house repositories and can support multiple
Project Boards.

Repositories.

Where everything is stored.
Folders = Directories.
README Files.

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

The screenshot shows a GitHub repository page. At the top, there's a logo of two people working together, followed by the repository name "AI for Multiple Long-term Conditions - Research Support Facility". Below the name, it says "Developing data standards, best practice and community around AI for multiple long term conditions research". It indicates the location is "United Kingdom" and provides a link "https://www.turing.ac.uk/research/rsf". A navigation bar below includes "Overview" (which is underlined), "Repositories 7", "Projects 8", "Packages", "Teams 3", "People 22", and "Settings".

Below the navigation bar, there's a section titled "Popular repositories" showing three repositories:

- Getting-Started** (Public)
Repository for core community knowledge with information about the AIM RSF project and how to get started.
3 stars, 0 forks, 3 issues, 1 pull request, Updated 1 hour ago.
- training** (Public)
A repository that holds the materials for AIM RSF training.
HTML file, 2 stars, 2 forks, 0 issues, 0 pull requests, Updated 3 hours ago.

Below these, there's a search bar with "Find a repository..." and filters for "Type", "Language", "Sort", and a "New" button. Then, there are three more repository cards:

- community-management** (Private)
RSF Internal Use Only repository for community management.
0 stars, 0 forks, 31 issues, 1 pull request, Updated 1 hour ago.
- training** (Public)
A repository that holds the materials for AIM RSF training.
HTML file, 0 stars, 0 forks, 2 issues, 3 pull requests, 0 pull requests, Updated 3 hours ago.
- drug-coding** (Private)
This has been setup for collaboration on drugs coding resources within the RSF & AIM consortia.
Rich Text Format, 1 star, 0 forks, 5 issues, 0 pull requests, Updated 2 days ago.

Repositories.

Public Repositories

- viewable and findable by anyone on the internet

Private Repositories

- the repository owner gets to decide who has access



Repositories.

Granular Access Levels

- Member level access:
Maintainer, read, write
- Teams level access:
Organizations, Teams,
Projects

People



[View all](#)

Project Boards.

Traditional **List**, Roadmap & Kanban Views.

Populated with tasks (Issues), sorted by a content field, customizable to your team's workflow.

All Tasks Board

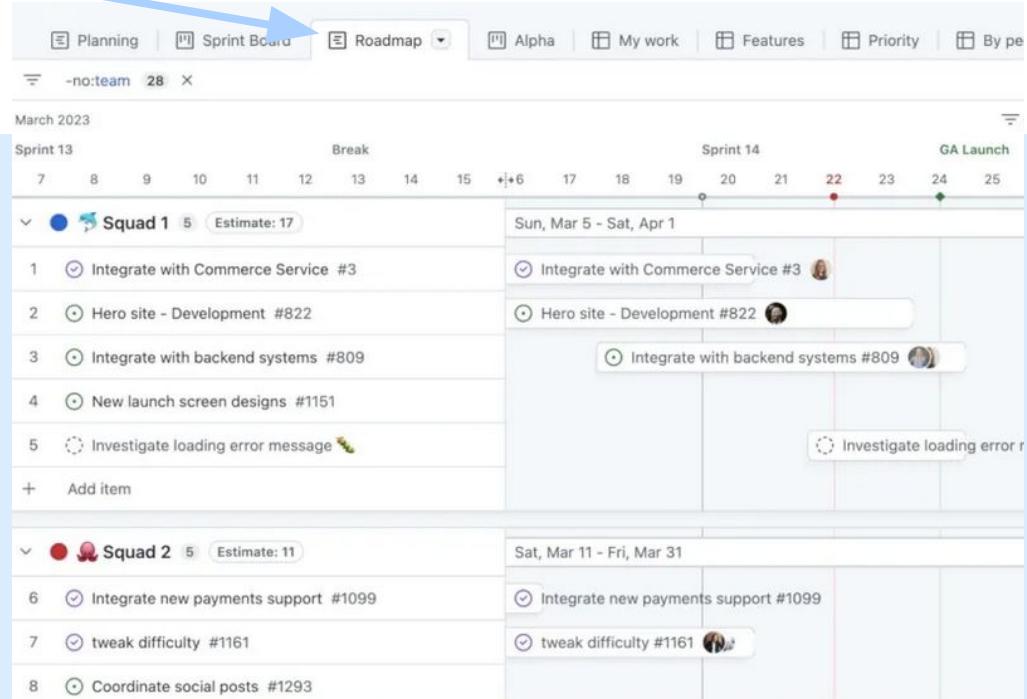
Task List | Kanban Board | + New view

Title	Assignees	Status
1 Transfer Tasks from repos to All Tasks Board	BrainonSilicon an...	Todo
2 Set up Issue Template in core repos	BrainonSilicon	Done
3 Created ISSUE_TEMPLATE file	BrainonSilicon	Done
4 Plan Activities for PPIE Month	BrainonSilicon	In Progress
5 document processes for running events	BrainonSilicon an...	In Progress
6 add onboarding documents for different roles	BrainonSilicon an...	In Progress
7 restructure repo to be about training in general	eirini-zormpa	Todo
8 plan training events for Autumn 2022	eirini-zormpa	
9 use a survey to assess skill gaps and training needs in the RSF ECRs	eirini-zormpa	In Progress
+ You can use Ctrl + Space to add an item		

Project Boards.

Traditional List, **Roadmap** & Kanban Views.

Populated with tasks (Issues), sorted by a content field, customizable to your team's workflow.



A screenshot of a project management application interface. At the top, there is a navigation bar with several tabs: Planning, Sprint Board, Roadmap (which has a blue arrow pointing to it), Alpha, My work, Features, Priority, and By person. Below the navigation bar is a search bar with the query "-no:team 28 X". The main area shows a roadmap for March 2023. The timeline starts at March 13 and ends at March 25, with a break between March 13 and 14. Two squads are listed: Squad 1 and Squad 2. Squad 1 tasks include: 1. Integrate with Commerce Service #3 (status: In Progress), 2. Hero site - Development #822 (status: In Progress), 3. Integrate with backend systems #809 (status: In Progress), 4. New launch screen designs #1151 (status: In Progress), and 5. Investigate loading error message #809 (status: In Progress). An 'Add item' button is also present. Squad 2 tasks include: 6. Integrate new payments support #1099 (status: In Progress), 7. tweak difficulty #1161 (status: In Progress), and 8. Coordinate social posts #1293 (status: In Progress). A note indicates "Sun, Mar 5 - Sat, Apr 1" for Squad 1 tasks and "Sat, Mar 11 - Fri, Mar 31" for Squad 2 tasks. The right side of the interface shows a Kanban board with columns for tasks from both squads.

Project Boards.

Traditional List, Roadmap & **Kanban** Views.

Populated with tasks (Issues), sorted by a content field, customizable to your team's workflow.

The screenshot shows a 'Tasks Board' interface with the following details:

- Header:** All Tasks Board, Task List, Kanban Board (selected), New view, Filter by keyword or by field.
- Columns:**
 - No Status:** 2 items (Draft: 'Compile stakeholder information', Draft: 'plan training events for Autumn 2022')
 - Todo:** 2 items (community-management #18: 'Transfer Tasks from repos to All Tasks Board', github-intro #12: 'restructure repo to be about training in general')
 - In Progress:** 4 items (community-management #21: 'Plan Activities for PPIE Month', community-management #15: 'document processes for running events', Getting-Started #12: 'add onboarding documents for different roles', community-management #23: 'use a survey to assess skill gaps and training needs in the RSF ECRs')
 - Blocked:** 0 items
- Buttons:** + Add item at the bottom of each column.

Project Boards.

Traditional List, Roadmap, or Kanban View.

Populated with tasks (**Issues**), sorted by a content field, customizable to your team's workflow.

The screenshot shows a Jira project board titled "All Tasks Board". The board is set to "Kanban Board" view. It features four columns: "No Status" (2 items), "Todo" (2 items), "In Progress" (4 items), and "Blocked" (0 items). Each column contains cards representing tasks, each with a title, description, and a small profile picture. At the bottom of each column is a "+ Add item" button. A large blue arrow originates from the text "Traditional List, Roadmap, or Kanban View." and points diagonally upwards towards the top-left corner of the Jira board interface.

No Status	Todo	In Progress	Blocked
Draft Compile stakeholder information	community-management #18 Transfer Tasks from repos to All Tasks Board	community-management #21 Plan Activities for PPIE Month	0
community-management #22 plan training events for Autumn 2022	github-intro #12 restructure repo to be about training in general	community-management #15 document processes for running events	0
Getting-Started #12 add onboarding documents for different roles	community-management #23 use a survey to assess skill gaps and training needs in the RSF ECRs	0	0

Project Boards.

Traditional List, Roadmap, or Kanban View.

Populated with tasks (Issues), sorted by a **content field**, customizable to your team's workflow.

The screenshot shows a project management interface titled "All Tasks Board". At the top, there are tabs for "Task List" and "Kanban Board" (which is currently selected), along with options for "New view" and "Filter by keyword or by field". Below the tabs, the board is divided into four vertical columns representing workflow stages:

- No Status**: Contains 2 items: "Draft" and "Compile stakeholder information".
- Todo**: Contains 2 items: "community-management #18 Transfer Tasks from repos to All Tasks Board" and "github-intro #12 restructure repo to be about training in general".
- In Progress**: Contains 4 items: "community-management #21 Plan Activities for PPIE Month", "community-management #15 document processes for running events", "Getting-Started #12 add onboarding documents for different roles", and "community-management #23 use a survey to assess skill gaps and training needs in the RSF ECRs". This column has a blue arrow pointing down to it from the top right.
- Blocked**: Contains 0 items.

At the bottom of each column, there is a button labeled "+ Add item".

Anatomy of an Issue.

- What Issues are
- Viewing Issues outside of project boards.
- How to use an issue template.



A screenshot of a GitHub repository page for "alan-turing-institute / AutisticaCitizenScience". The page shows 171 issues, 34 pull requests, and 19 discussions. A blue arrow points to the "Issues 171" button, which is highlighted with a blue box. The interface includes filters for "is:issue is:open", labels (36), milestones (8), and a "New issue" button. Below the header, there's a modal about labeling issues for new contributors. The main list of issues includes:

- AutSPACES Support Page (good first issue, Moderation, Ongoing)
- Write Guidelines for moderators (Moderation)
- Update Newsletters readme (Repository)
- Define procedures for moderation workflow (Blocked, Moderation)

Each issue card shows the number of tasks, the assignee, and the number of comments.

Issues.

Historically to flag an “issue” with the code (i.e. a bug 🐛)

Can also be used for project management...

- [Autism Glossary](#) Moderation priority-med
#542 opened on 23 Aug by skfantoni 🔗 11 tasks
- [Collect and plan all tasks that need to be carried out for the moderation process](#) Moderation
#532 opened on 23 Jul by lottycoupat 🕒 1 of 12 tasks ↳ Moderation
- [Create impact stories 1-pager for AutSPACES](#) community Engagement and promotion
#531 opened on 21 Jul by lottycoupat
- [Collate content for the platform's About page.](#) Beginner community design good first issue help wanted
#529 opened on 21 Jul by lottycoupat 🔗 8 tasks ↳ Platform Delivery
- [Netlify page for meet-up sessions](#) Accessibility and Inclusion community Engagement and promotion enhancement events
#521 opened on 7 Jul by GeorgiaHCA 🕒 2 of 6 tasks ↳ Building a Healt...
- [\[Invitation\] Don't know where to get involved with the AutSPACES project? Here are specific project ideas for new and existing contributors.](#) good first issue
#517 opened on 28 Jun by lottycoupat 🔗 14 tasks
- [Create a promotion pack for AutSPACES project](#) Beginner community Engagement and promotion good first issue
#516 opened on 28 Jun by lottycoupat 🔗 3 tasks
- [Testing of Code of Conduct](#) good first issue Moderation
#514 opened on 22 Jun by lottycoupat 🔗 5 tasks
- [Draft stories for moderation testing of the Code of Conduct](#) good first issue Moderation
#513 opened on 22 Jun by lottycoupat 🔗 2 tasks

Issues.

Issues = Tasks.

- Summary of what the task is, what it relates to, and who can help.

Then tagged with the appropriate label (based on the milestone it relates to).



BrainonSilicon commented 29 days ago · edited

Collaborator



...

Summary

This issue outlines the design process steps that need to happen in order to develop a "User Experience" for the platform.

The "user experience" of the platform covers everything from the aesthetic (the look) to the usability and functionality of the platform. It's really important to follow a process that has the user's needs first in order to develop a platform that's accessible.

As designers, we have to understand what a user, or a group of users (aka. persona) needs in order to achieve their goal (aka. why they came to a page). "User" means anyone who will use the platform. The users could be researchers, autistic individuals, and policy makers. These are examples of "personas", or "people who will use the platform".

You can read more about the UX Design process [here](#)

UX Design Process

1. Defining the Space

- what it is
- who will use it
- why they will use it

We know what the platform is, but we need a better understanding of who will use it, and why.

We've got a starting mock up for the platform (found [here](#) on Figma) but need to dig deeper into why and who in order to develop something great!

Issues.

Overview of the “task” and what steps need to be taken to progress it.

Issues.

Important 14			
56	  Finalise the Code of Conduct #29	 BatoolMM, Brain... ▾	In Progress
58	  February PPIE Community Summary Email #166	 BrainonSilicon ▾	Todo
65	  Documentation for Seminar Series Administration #88	 BatoolMM and Bra... ▾	Todo
69	  Manage GitHub organisation access #47	 BatoolMM, Brain... ▾	In Progress
71	  Glossary Documentation Guide #18	 BrainonSilicon ▾	In Progress
80	  Add PPIE Session Notes to Events Folder #8	 BrainonSilicon ▾	In Progress
81	  Investigate how to embed / invite discussion for definitions. #62	 BrainonSilicon ▾	In Progress
83	  Write meeting notes from Journal Editor #158	 BrainonSilicon ▾	Todo

A screenshot of a GitHub repository page for 'aim-rsf / community-management'. The 'Issues' tab is selected, showing 31 issues, 1 pull request, and 0 discussions. A prominent 'New Task' card is displayed, describing it as a 'Lightweight Issue Template for creation of new tasks'. It includes a 'Get started' button and a link to 'Edit templates'. Below the card, there's a note about opening a blank issue and a 'Edit templates' link.

A screenshot of a GitHub repository page for 'the-turing-way / .github / ISSUE_TEMPLATE /'. The directory contains several files: 'CHAPTER_ISSUE_TEMPLATE.md', 'EDITOR_ISSUE_TEMPLATE.yml', 'ISSUE_TEMPLATE.md', 'bug_report.md', 'config.yml', and 'give_a_talk.yml'. The 'EDITOR_ISSUE_TEMPLATE.yml' file has the most recent commit, which updated the file 6 days ago. Other commits are listed for each file, showing updates to links and references over the past year.

Templates.

Most teams use Issues templates to streamline adding tasks.

- Directly add workflow
- Or edit in Settings

The screenshot shows the GitHub interface for the repository 'aim-rsf / community-management'. The 'Issues' tab is selected, showing 31 issues. A prominent feature is a 'New Task' template card, which is described as a 'Lightweight Issue Template for creation of new tasks'. It includes a 'Get started' button and a link to 'Edit templates'. Below the card, there's a message suggesting to 'Open a blank issue' if the current one isn't found.

The screenshot shows the GitHub repository 'the-turing-way/.github'. The 'ISSUE_TEMPLATE' directory is open, displaying several files: 'EDITOR_ISSUE_TEMPLATE.yml', 'CHAPTER_ISSUE_TEMPLATE.md', 'ISSUE_TEMPLATE.md', 'bug_report.md', 'config.yml', and 'give_a_talk.yml'. Each file has a brief description and a timestamp indicating when it was last updated.

File	Description	Last Updated
EDITOR_ISSUE_TEMPLATE.yml	Update .github/ISSUE_TEMPLATE/EDITOR_ISSUE_TEMPLATE.yml	6 days ago
CHAPTER_ISSUE_TEMPLATE.md	[MNT] Update links and references from master to main branch	11 months ago
ISSUE_TEMPLATE.md	Updating emojis in template names	2 years ago
bug_report.md	update current issue templates	2 years ago
config.yml	update broken links	5 months ago
give_a_talk.yml	added link to slack	20 days ago

Templates.

Most teams use Issues templates to streamline adding tasks.

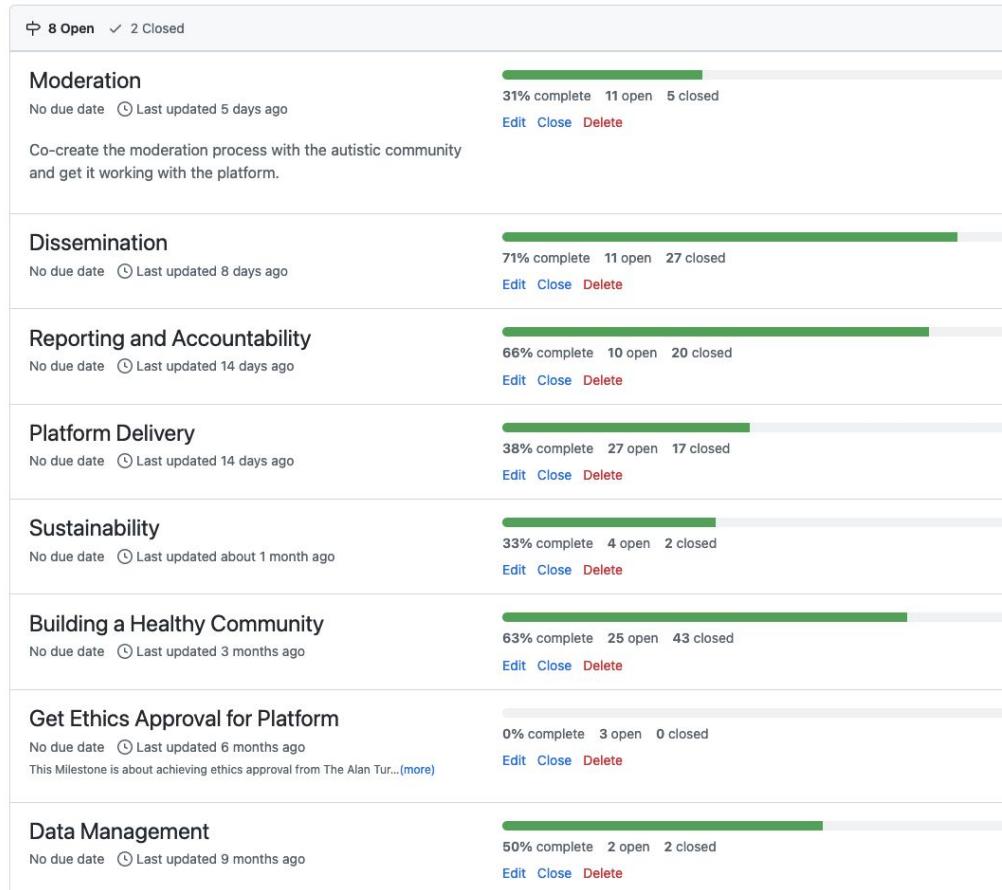
- Directly add workflow
- Or edit in Settings

You will need to create an Issue from the repo in order to use Issue Templates.

Milestones.

Milestones for the project that are treated as their own mini projects.

- Similar to “Epics” from Agile



A screenshot of a community management discussion board. The top navigation bar features a purple header with a heart pattern, displaying "Announcements" and "Welcome to Community Management Discussions!". A user profile for "BrainonSilicon" is shown. Below the header is a search bar and various filter options: "New", "Top: All", "Label", "Filter", and a green "New discussion" button. On the left, a sidebar titled "Categories" lists "View all" (selected), "Announcements", "General", "Ideas", "Polls", "Q&A", and "Show and tell". A "Most helpful" section encourages marking answers as helpful. At the bottom of the sidebar are links to "Community guidelines" and "Community insights". The main content area is titled "Discussions" and shows a list of posts. The first post is "Training for PPIE? training-upskilling" by eirini-zormpa, started 9 days ago in Ideas. The second is "Internal Comms" by BrainonSilicon, started on 15 Aug in General. The third is "Directly Responsible Individuals for RSF tasks" by eirini-zormpa, started 22 days ago in General. The fourth is "Frequency of ops meetings" by eirini-zormpa, started 22 days ago in General. The fifth is "WelcomeBot community-building" by BrainonSilicon, started on 21 Jun in Ideas. The sixth is "Co-creating a Code of Conduct documentation training-upskilling community-building" by eirini-zormpa, started on 23 Jun in Ideas. The seventh is "Glossary of Terms glossary" by BrainonSilicon, started on 21 Jun in Ideas. The eighth is "Welcome to Community Management Discussions!" by BrainonSilicon, announced on 21 Jun in Announcements.

Post	Category	Author	Date
Training for PPIE?	Ideas	eirini-zormpa	9 days ago
Internal Comms	General	BrainonSilicon	15 Aug
Directly Responsible Individuals for RSF tasks	General	eirini-zormpa	22 days ago
Frequency of ops meetings	General	eirini-zormpa	22 days ago
WelcomeBot	Ideas	BrainonSilicon	21 Jun
Co-creating a Code of Conduct	Ideas	eirini-zormpa	23 Jun
Glossary of Terms	Ideas	BrainonSilicon	21 Jun
Welcome to Community Management Discussions!	Announcements	BrainonSilicon	21 Jun

Discussions.

Issues are direct tasks. But often a task needs to be scoped and discussed in more depth.

The Community Management team currently uses Discussions to manage that in-between step.

Repositories

Repositories = Filing Cabinets.

The building block of file management with GitHub.

 aleesteelle	Merge pull request #2406 from alan-turing-institute/contribu...	...	✓ 00cd829 3 hours ago	⌚ 9,761 commits
 .github	Tidy up comments and workflow triggers that are unnecessary/broken	4 days ago		
 README-translated	address comments	11 days ago		
 book	Merge pull request #2406 from alan-turing-institute/contributors-b...	3 hours ago		
 communications	Merge pull request #2335 from alan-turing-institute/update-promo...	last month		
 conferences	[MNT] Update links and references from master to main branch	7 months ago		
 open-life-science-mentoring	Update README.md	6 months ago		
 project_management	Merge pull request #2340 from sgibson91/update-credit-request-t...	26 days ago		
 tests	Initial version of the Github action for release workflow to test	10 days ago		
 workshops	remove 'master'	19 days ago		

Repositories

Issues = Tasks.

Summary of what the task is, what it relates to, and who can help.

Issues

The screenshot shows a GitHub repository page for 'alan-turing-institute / AutisticaCitizenScience'. The 'Issues' tab is selected, showing 171 open issues. A modal window titled 'Label issues and pull requests for new contributors' is displayed, explaining that GitHub will help potential first-time contributors discover issues labeled with 'good first issue'. Below the modal, the issue list is filtered to show only open issues. The first few issues listed are:

- AutSPACEs Support Page (good first issue, Moderation, Ongoing) #600 opened 3 days ago by skfantom 5 tasks
- Write Guidelines for moderators (Moderation) #598 opened 7 days ago by GeorgiaHCA Moderation
- Update Newsletters readme (Repository) #594 opened 8 days ago by GeorgiaHCA Dissemination
- Define procedures for moderation workflow (Blocked, Moderation) #593 opened 8 days ago by soleedadil 1 task done Moderation

Repositories

Issues

Milestones

Useful for SCRUM.

Milestones are good for timeboxed iterations and working in sprints, with batches of issues.

8 Open 2 Closed

Moderation

No due date Last updated 5 days ago

Co-create the moderation process with the autistic community and get it working with the platform.

31% complete 11 open 5 closed

Edit Close Delete

Dissemination

No due date Last updated 8 days ago

71% complete 11 open 27 closed

Edit Close Delete

Reporting and Accountability

No due date Last updated 14 days ago

66% complete 10 open 20 closed

Edit Close Delete

Platform Delivery

No due date Last updated 14 days ago

38% complete 27 open 17 closed

Edit Close Delete

Sustainability

No due date Last updated about 1 month ago

33% complete 4 open 2 closed

Edit Close Delete

Building a Healthy Community

No due date Last updated 3 months ago

63% complete 25 open 43 closed

Edit Close Delete

Get Ethics Approval for Platform

No due date Last updated 6 months ago

This Milestone is about achieving ethics approval from The Alan Tur...[\(more\)](#)

0% complete 3 open 0 closed

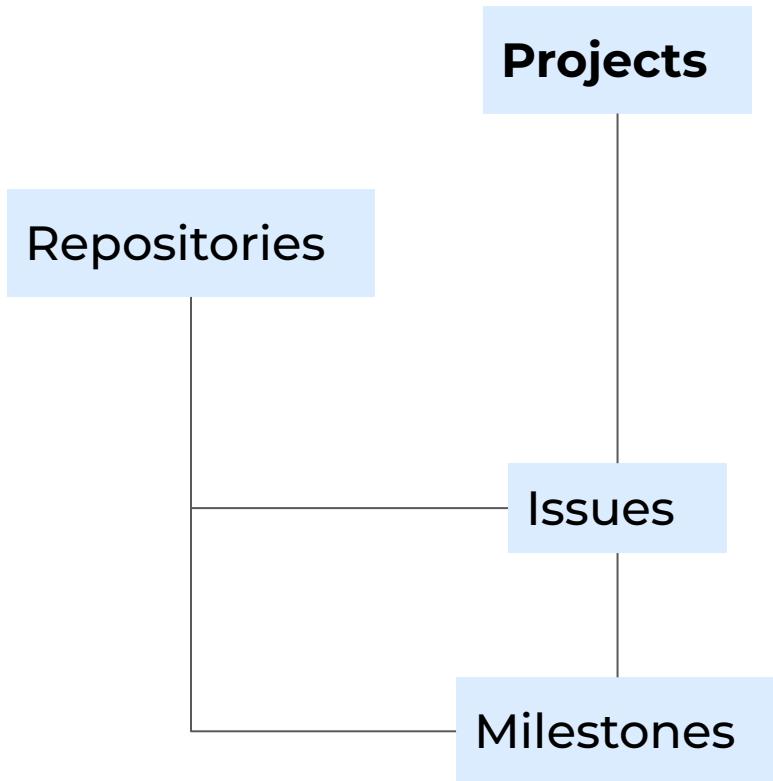
Edit Close Delete

Data Management

No due date Last updated 9 months ago

50% complete 2 open 2 closed

Edit Close Delete



OctoArcade Invaders

The Plan Game loop Backlog Standup + New view

Not Started	Planning	Building
OctoArcade #10 Integrate with Leaderboard Service <small>Need help</small>	OctoArcade #42 Creative design update to aliens for variety	OctoArcade #19 Updates to alien, beam, and cannon sprites <small>Design</small>
OctoArcade #183 Interviews with media outlets	OctoArcade #79 Alpha go-no-go meeting	OctoArcade #3 New start screen and multiplayer selection
OctoArcade #45 Save score across levels	OctoArcade #12 Easter egg with high score unlocking a new paid level on map 8	OctoArcade #38 Updates to velocity of the ship and alien movements <small>Bug</small>
		OctoArcade #17 Update to collision logic <small>Bug</small>

Can be linked to an Organization. Or to specific repositories and Issues.

Having Project boards sit at the level of Orgs mean that tasks from different repos can be managed from a central place.

Organizations

Repositories

Projects

Issues

Milestones



AI for Multiple Long-term Conditions - Research Support Facility

Developing data standards, best practice and community around AI for multiple long term conditions research

12 followers United Kingdom <https://www.turing.ac.uk/research/r...>

Overview

Repositories 13

Projects 9

Packages

Teams 3

People 49

Settings



The Alan Turing Institute

The UK's national institute for data science and artificial intelligence.

329 followers <https://turing.ac.uk> info@turing.ac.uk

Overview

Repositories 426

Projects 34

Packages

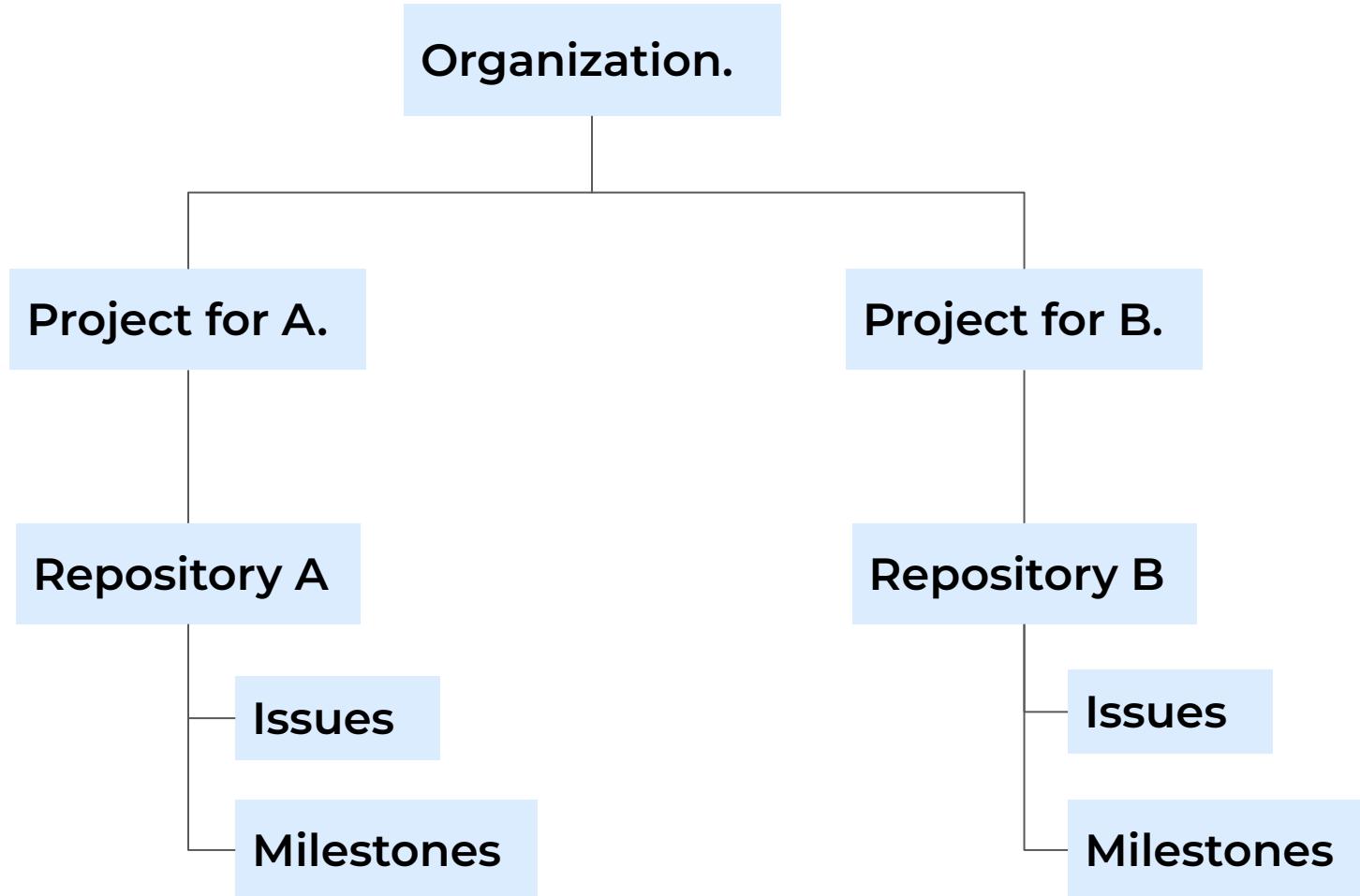
Teams 64

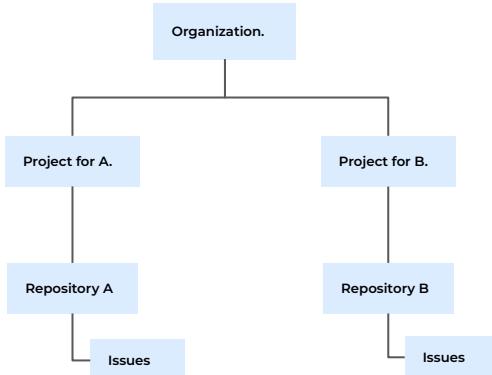
People 412

Examples of structures.

Example of how repos,
issues, and project boards
connect to each other.







		Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	10 Open ✓ 19 Closed						
<input type="checkbox"/>	Plain Language Summaries	documentatio					
	#63 opened on Feb 9 by BrainonSilicon	20 of 38 tasks					
<input type="checkbox"/>	Investigate how to embed / invite discussion for definitions.	maintenance					
	#62 opened on Jan 20 by BrainonSilicon	1 of 2 tasks					
<input type="checkbox"/>	[NEW TERM] Cumulative Complexity Model (CuCoM)	new terms					
	#50 opened on Jan 19 by WBarneyJones						
<input type="checkbox"/>	[NEW TERM] Minimally Disruptive Medicine	new terms					
	#55 opened on Jan 19 by KellyCheungPPI						
<input type="checkbox"/>	[NEW TERM] Treatment Burden	new terms					
	#64 opened on Jan 19 by BrainonSilicon						
<input type="checkbox"/>	Google Forms connection failing	bug	maintenance				
	#39 opened on Dec 7, 2022 by BrainonSilicon						
<input type="checkbox"/>	GitHub Workshop: Add Health Research terms to Glossary	collaboration-workshop					
	good first issue	new terms					
	#24 opened on Oct 12, 2022 by BrainonSilicon						
<input type="checkbox"/>	GitHub Workshop: Add Citizen Science terms to Glossary	collaboration-workshop					
	good first issue	new terms					
	#23 opened on Oct 12, 2022 by BrainonSilicon						
<input type="checkbox"/>	GitHub Workshop: Add research role terms to the Glossary	collaboration-workshop					
	good first issue	new terms					
	#22 opened on Oct 12, 2022 by BrainonSilicon						
<input type="checkbox"/>	Glossary Documentation Guide	documentation	maintenance				
	#18 opened on Sep 23, 2022 by BrainonSilicon	3 tasks					

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

Overview Repositories 13 Projects 9 Packages Teams 3 People 49 Settings

Glossary of Terms Private #4 updated on Mar 3

This project page manages the work done for the Glossary of Terms task.

Theme 2: Research Ready Data Private #10 updated on Mar 3

Tasks specific to: https://github.com/aim-rsf/research-ready-data

PPIE Stakeholder Mapping Private #3 updated on Feb 9

Project Management for the PPIE Stakeholder mapping task.

MTLC Focus Groups Private #2 updated on Feb 4

Project Management for the Focus Groups to be held as part of the PPIE workstream.

Citizen Science Workshops Private #6 updated on Sep 12, 2022

This project covers the creation, planning, and materials related to Citizen Science presentations and workshops that will be delivered to the AIM Consortium.

Glossary-of-Terms Public

Glossary of common terms and definitions used by the AI for Multiple Long-Term Conditions project.

4

Organization.

Project that manages A + B tasks.

Repository A

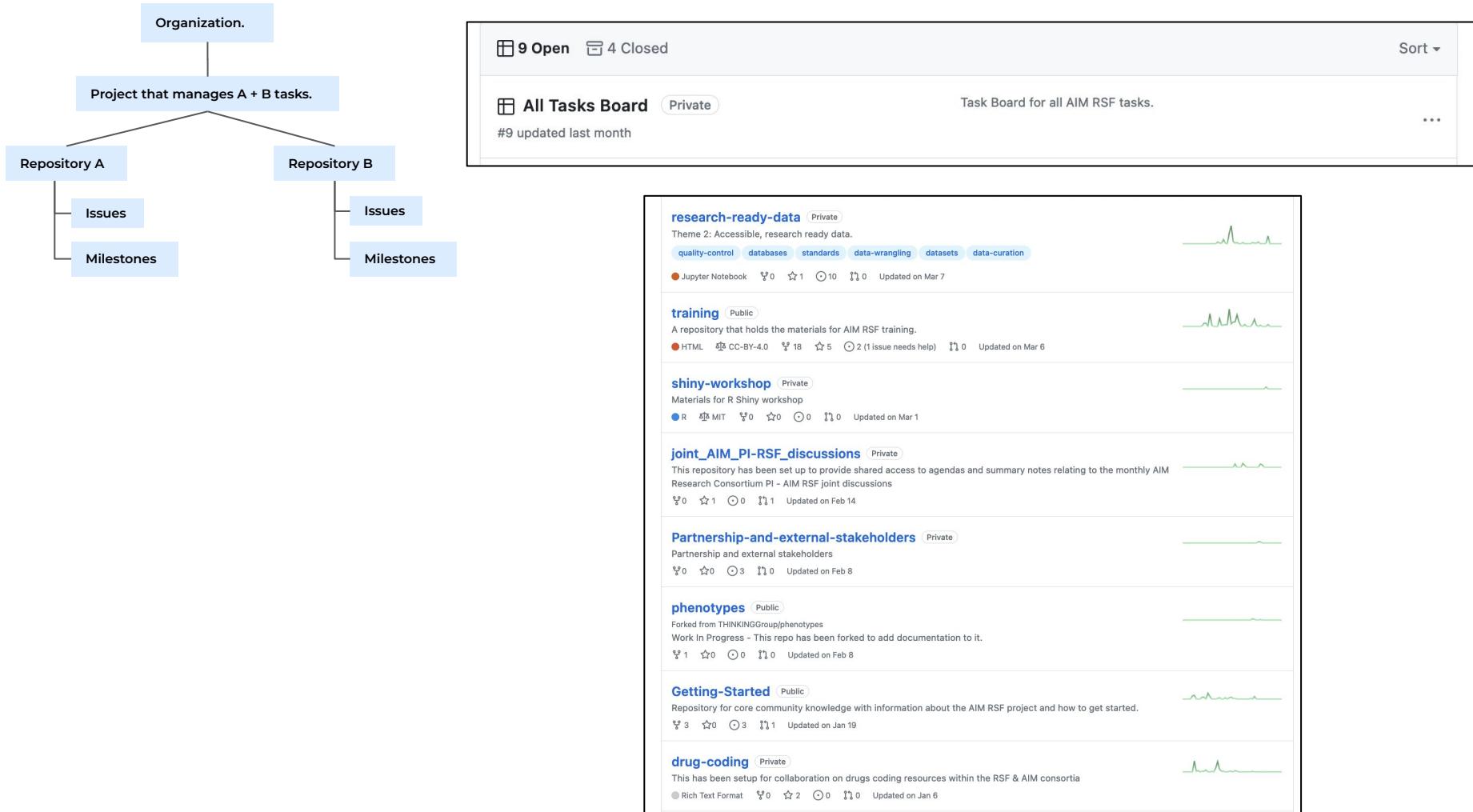
Issues

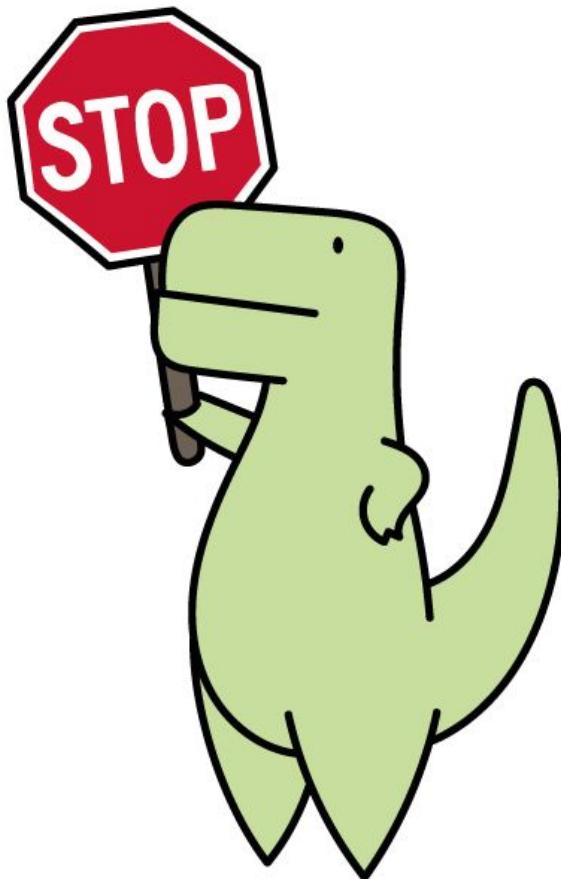
Milestones

Repository B

Issues

Milestones



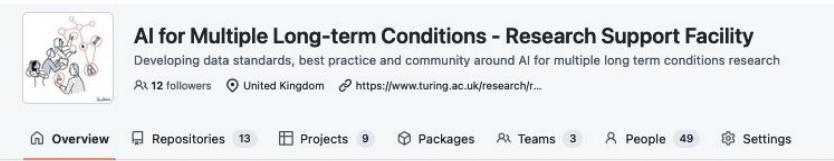


Organizations vs. Repositories.

What can we put on GitHub?

Depends on where it's going & who has access: Organization access and Data Protection for Turing.

GitHub is owned by Microsoft so can integrate with Teams + Microsoft ecosystem, but the servers are based outside the UK.



The screenshot shows the GitHub organization page for "AI for Multiple Long-term Conditions - Research Support Facility". The page includes a profile picture of three people, a brief description about developing data standards, and statistics like 12 followers and 13 repositories. The navigation bar at the bottom is visible.



The screenshot shows the GitHub organization page for "The Alan Turing Institute". It features a logo, a brief description as "The UK's national institute for data science and artificial intelligence", and statistics like 329 followers and 426 repositories. The navigation bar at the bottom is visible.

Organizations vs. Repositories.

Organizations

- An Org has repositories associated with it.
- e.g. The Alan Turing Institute
- Free Education License with an .ac.uk email address.

Repos

- Sit within organization.

Team Level Access.

Teams

- Sit inside an Org.
- Gives specific groups different access to view projects, repositories, and other content

Repository Collaborators

- Need to add folk to the repository as a collaborator.

The screenshot shows a user interface for managing teams within an organization. At the top, there's a header bar with the title "AI for Multiple Long-term Conditions - Research Support Facility". Below the header, there are navigation links: Overview, Repositories (7), Projects (8), Packages, Teams (3), and People. The "Teams" link is underlined, indicating it's the active section. A search bar below the header contains the placeholder "Find a team...". Under the search bar is a checkbox labeled "Select all". Three teams are listed: 1) "AIM-Consortia" (Secret) described as a group for all members of the AIM Consortia, with two profile icons shown; 2) "Operations Team" described as the AIM RSF Operations Team, with ten profile icons shown; 3) "Polypharmacy" (Secret) described as an AIM-RSF Cross-consortia collaboration working on projects involving polypharm..., with twelve profile icons shown. An ellipsis (...) button is at the bottom right of the team list.

Git Good!

- GitHub can be intimidating when you first get started.
- But it's a really useful tool that has so much to take advantage of.
- GitHub supports the storage and sharing of all file types which is super useful when working with a distributed team.
- Project boards have so many features that you can customize for however works best for you.



To Recap.

- What is GitHub
- How teams can use GitHub
- The lingo of GitHub
- GitHub's inbuilt Project Management tools
- Permissions, Access, and Limitations