

THE ALAN TURING INSTITUTE  
COMMUNITY MANAGEMENT TEAM

# Project Management with GitHub

26/05/2022

# What we want to achieve.



- Scoping out the options for documentation and collaboration.
- Developing & Documenting a clear rationale for decisions.
- Identifying any areas that require further exploration or clarification.

# Why GitHub?

- Sharepoint has high friction points with sharing and communicating with collaborators.
- GitHub offers clear advantages for Version Control and difference tracking.
- GitHub supports the storage and sharing of all file types.
- Value aligned with the project (Collaboration, Openness, Interoperability, Reproducibility, Legacy)
- Has built in “wiki” features that support clear documentation.



# 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.

**Sign up for GitHub**

# Repositories.

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Where everything is stored.

Folders = Directories.

README Files

Public Repositories

Private Repositories

Access

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



# Teams & Orgs.

## Organizations

- e.g. The Alan Turing Institute
- Freemium model
- Education License

## Teams

- Give specific groups different access














The screenshot displays three pricing tiers for GitHub: Free, Team, and Enterprise. The Team plan is highlighted as 'MOST POPULAR' with a blue border. Each plan lists its features and a 'Create a free organization' or 'Start a free trial' button.

| Plan       | Description  | Price   | Key Features  |
|------------|--|---|---|
| Free       | The basics for individuals and organizations             | \$0 per year forever                                  | Unlimited public/private repositories, Automatic security and version updates, 2,000 CI/CD minutes/month (Free for public repositories), 500MB of Packages storage (Free for public repositories), New Issues & Projects (in limited beta), Community support   |
| Team       | Advanced collaboration for individuals and organizations | \$48 to \$44 per user/year for the first 12 months*   | Everything included in Free, plus... Access to GitHub Codespaces, Protected branches, Multiple reviewers in pull requests, Draft pull requests, Code owners, Required reviewers, Pages and Wikis, 3,000 CI/CD minutes/month (Free for public repositories), 2GB of Packages storage (Free for public repositories)                              |
| Enterprise | Security, compliance, and flexible deployment            | \$252 to \$231 per user/year for the first 12 months* | Everything included in Team, plus... Enterprise Managed Users, User provisioning through SCIM, Enterprise Account to centrally manage multiple organizations, Environment protection rules and secrets, Audit Log API, SOC1, SOC2, type 2 reports annually, FedRAMP Tailored Authority to Operate (ATO), SAML single sign-on, Advanced auditing |

# Repositories

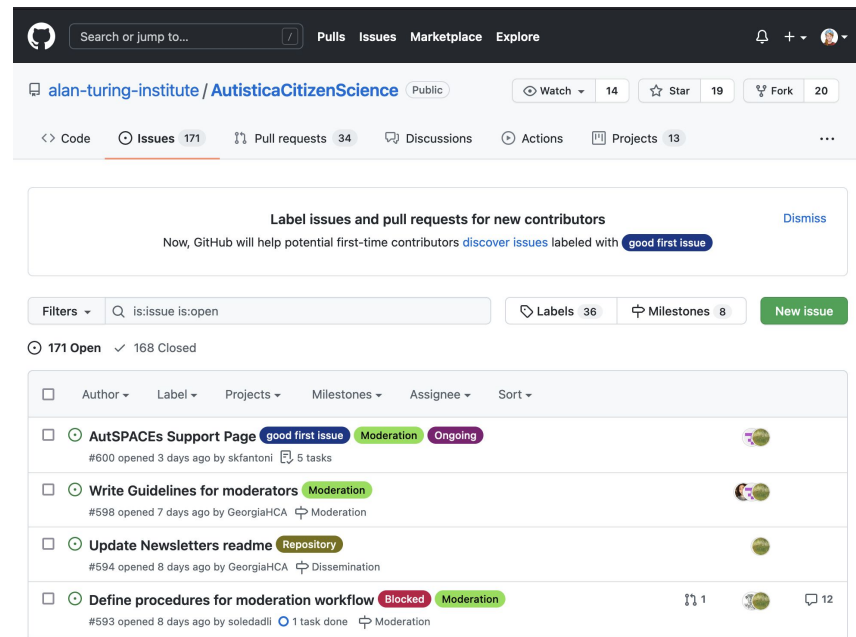
Repositories = Filing Cabinets.

The building block of file management with GitHub.

|   |  |   |
|---|--|---|
|    | aleesteele Merge pull request <a href="#">#2406</a> 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 <a href="#">#2406</a> from alan-turing-institute/contributors-b... 3 hours ago   |
|    | communications   | Merge pull request <a href="#">#2335</a> 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 <a href="#">#2340</a> 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



Search or jump to... Pulls Issues Marketplace Explore

alan-turing-institute / AutisticaCitizenScience Public

Watch 14 Star 19 Fork 20

<> Code Issues 171 Pull requests 34 Discussions Actions Projects 13

Label issues and pull requests for new contributors  
Now, GitHub will help potential first-time contributors discover issues labeled with **good first issue** [Dismiss](#)

Filters is:issue is:open Labels 36 Milestones 8 [New issue](#)

171 Open 168 Closed

| <input type="checkbox"/>                                   | Author                                    | Label  | Projects | Milestones | Assignee | Sort |
|--|---|--|----------|------------|----------|------|
| <input type="checkbox"/>                                   | AutSPACes Support Page                    | <b>good first issue</b> <b>Moderation</b> <b>Ongoing</b> |          |            |          |      |
| #600 opened 3 days ago by skfantoni 5 tasks                |   |  |          |            |          |      |
| <input type="checkbox"/>                                   | Write Guidelines for moderators           | <b>Moderation</b>  |          |            |          |      |
| #598 opened 7 days ago by GeorgiahCA Moderation            |   |  |          |            |          |      |
| <input type="checkbox"/>                                   | Update Newsletters readme                 | <b>Repository</b>  |          |            |          |      |
| #594 opened 8 days ago by GeorgiahCA Dissemination         |   |  |          |            |          |      |
| <input type="checkbox"/>                                   | Define procedures for moderation workflow | <b>Blocked</b> <b>Moderation</b>                         |          |            |          |      |
| #593 opened 8 days ago by soledadli 1 task done Moderation |   |  |          |            |          |      |

Issues = Tasks.

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



# Repositories

Useful for  
SCRUM.

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

## Issues

## Milestones

| 8 Open 2 Closed  |   |  |
|--|---|--|
| <b>Moderation</b><br>No due date ⌚ Last updated 5 days ago<br><br>Co-create the moderation process with the autistic community and get it working with the platform. | <div><div></div></div><br>31% complete 11 open 5 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>  |  |
| <b>Dissemination</b><br>No due date ⌚ Last updated 8 days ago  | <div><div></div></div><br>71% complete 11 open 27 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a> |  |
| <b>Reporting and Accountability</b><br>No due date ⌚ Last updated 14 days ago  | <div><div></div></div><br>66% complete 10 open 20 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a> |  |
| <b>Platform Delivery</b><br>No due date ⌚ Last updated 14 days ago   | <div><div></div></div><br>38% complete 27 open 17 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a> |  |
| <b>Sustainability</b><br>No due date ⌚ Last updated about 1 month ago  | <div><div></div></div><br>33% complete 4 open 2 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>   |  |
| <b>Building a Healthy Community</b><br>No due date ⌚ Last updated 3 months ago   | <div><div></div></div><br>63% complete 25 open 43 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a> |  |
| <b>Get Ethics Approval for Platform</b><br>No due date ⌚ Last updated 6 months ago<br>This Milestone is about achieving ethics approval from The Alan Tur...(more)   | <div><div></div></div><br>0% complete 3 open 0 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>    |  |
| <b>Data Management</b><br>No due date ⌚ Last updated 9 months ago  | <div><div></div></div><br>50% complete 2 open 2 closed<br><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>   |  |

# Repositories

## Projects

## Issues

## Milestones

OctoArcade Invaders

The Plan Game loop Backlog Standup + New view

Not Started 3

- OctoArcade #10  
Integrate with Leaderboard Service  
[Need help](#)
- OctoArcade #183  
Interviews with media outlets
- OctoArcade #45  
Save score across levels

Planning 3

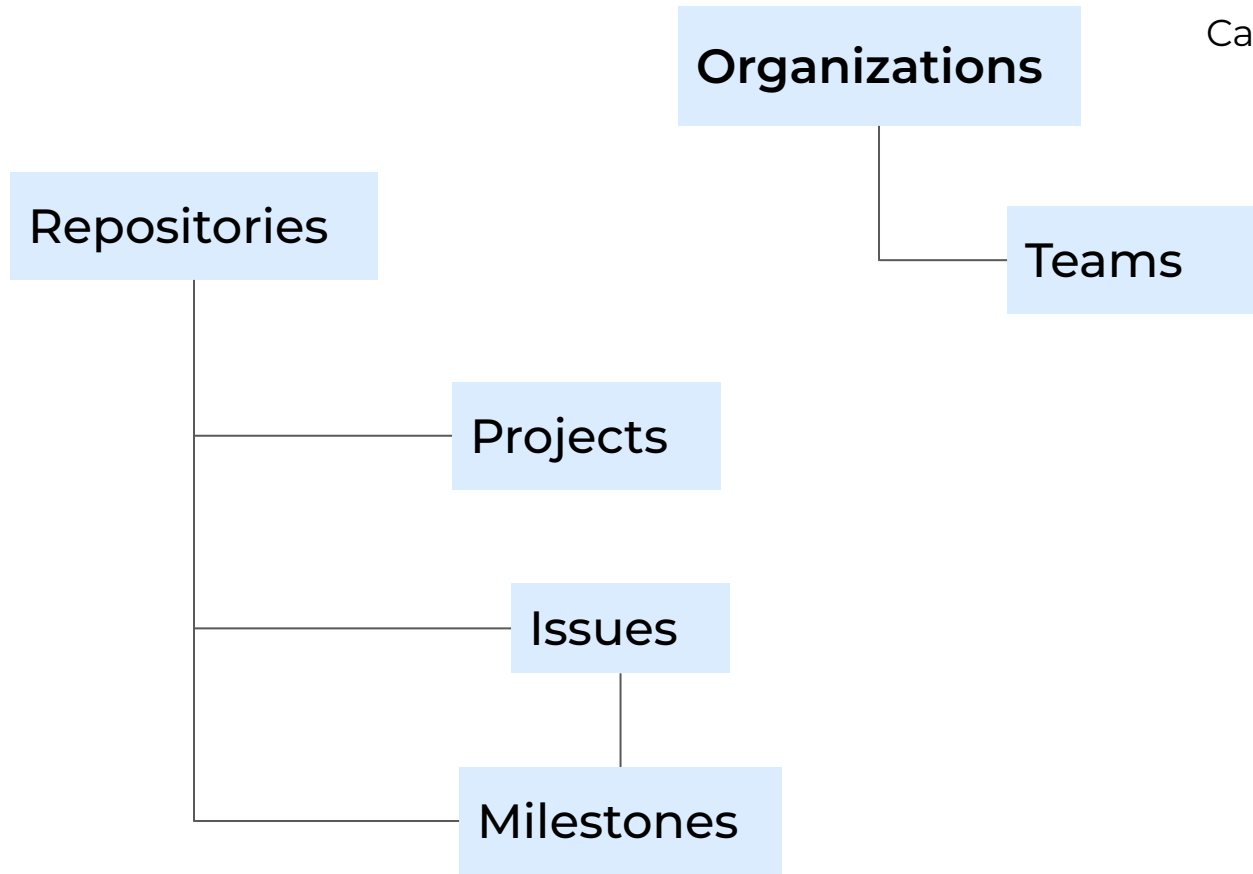
- OctoArcade #42  
Creative design update to aliens for variety
- OctoArcade #79  
Alpha go-no-go meeting
- OctoArcade #12  
Easter egg with high score unlocking a new paid level on map 8

Building 4

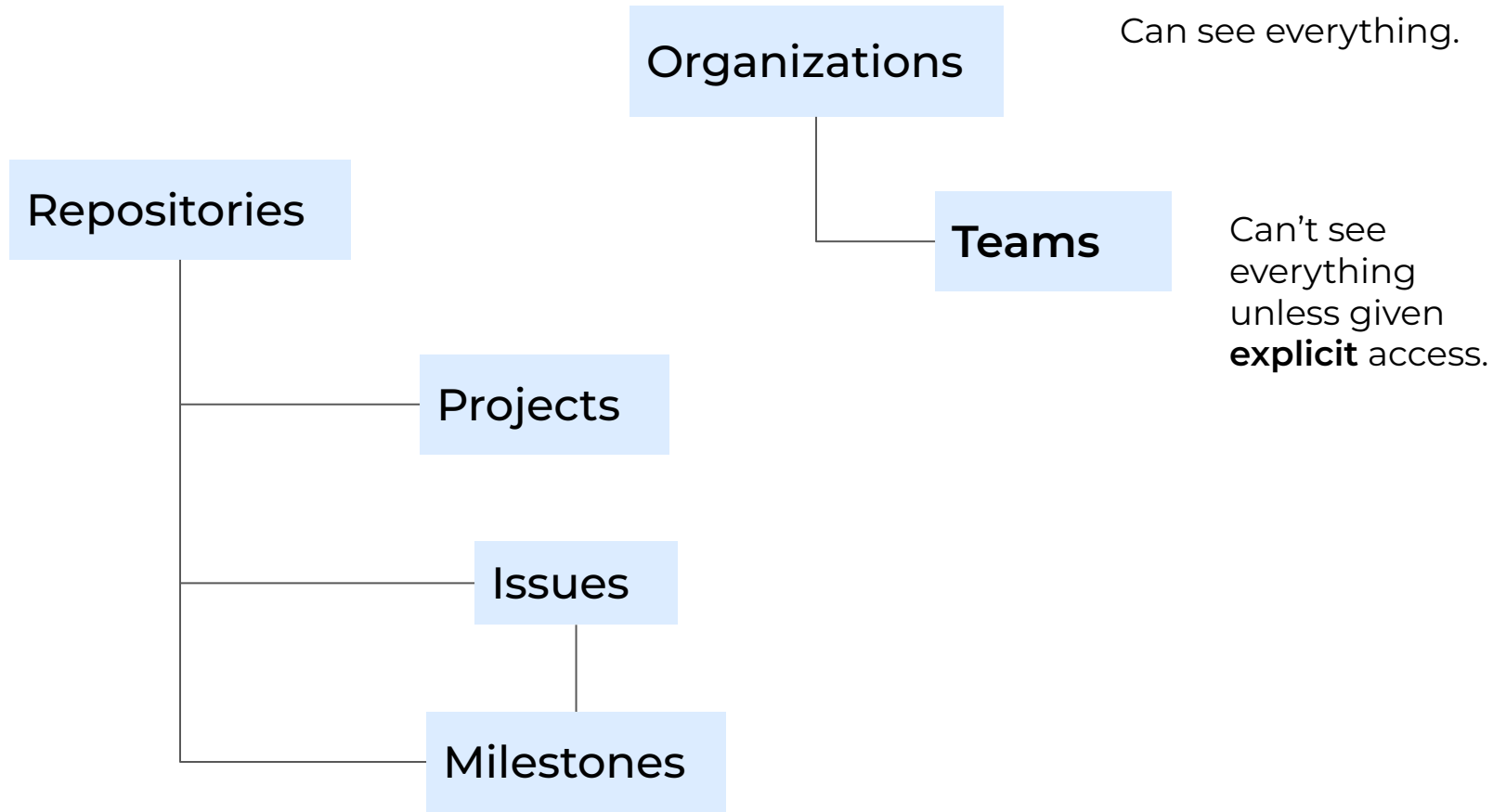
- OctoArcade #19  
Updates to alien, beam, and cannon sprites  
[Design](#)
- OctoArcade #3  
New start screen and multiplayer selection
- OctoArcade #38  
Updates to velocity of the ship and alien movements  
[Bug](#)
- OctoArcade #17  
Update to collision logic  
[Bug](#)

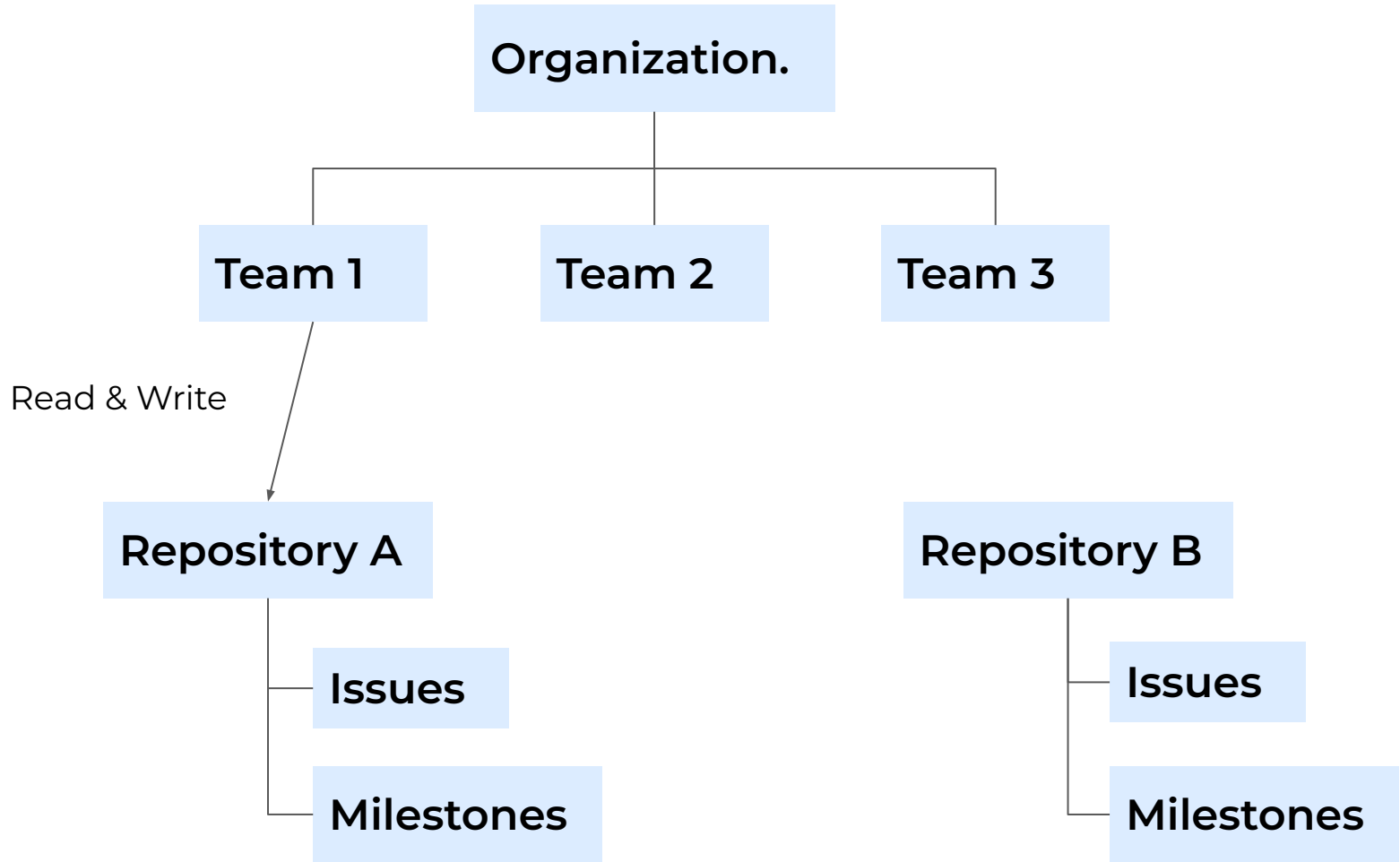
## Tool for managing Epics.

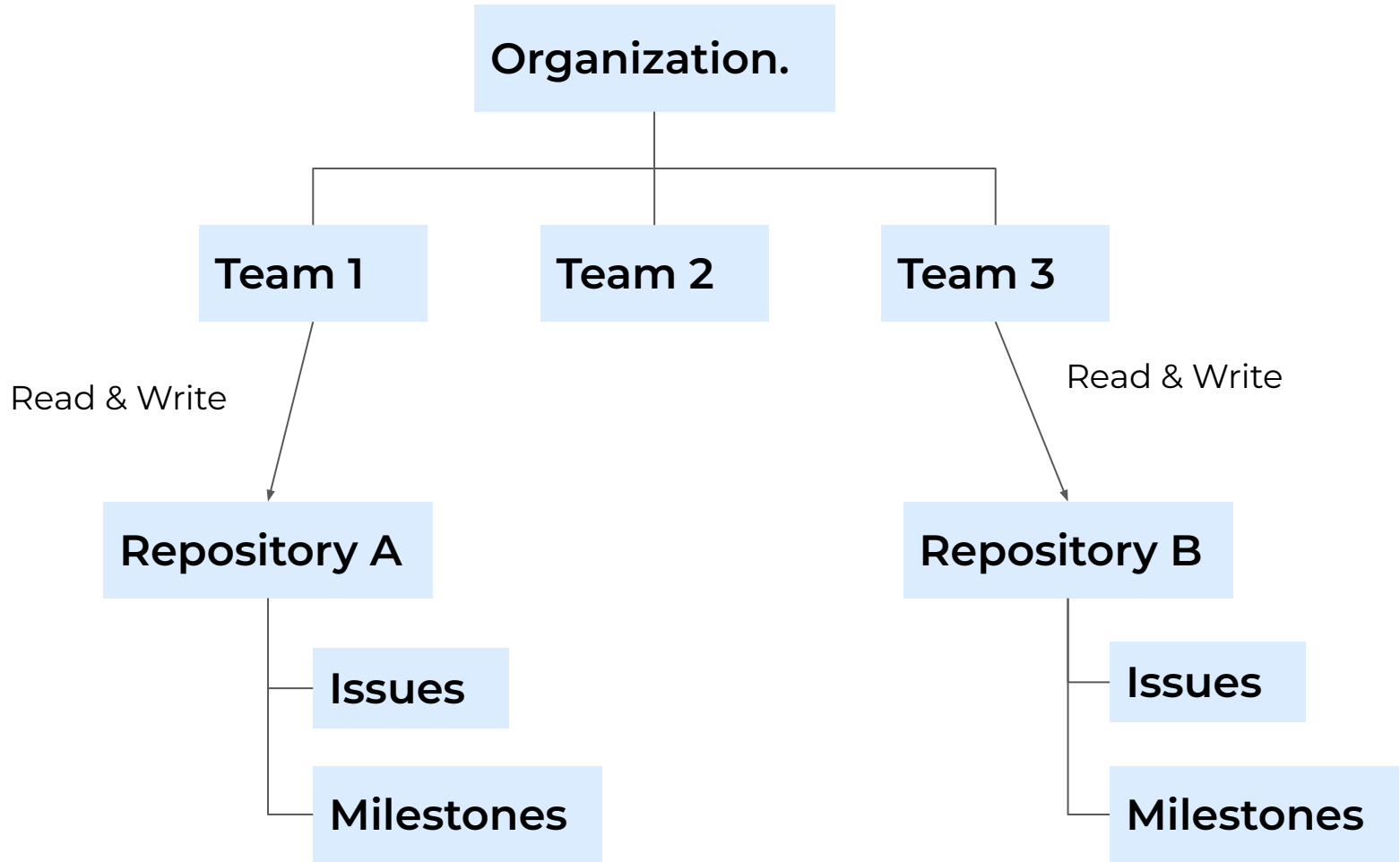
Projects are good for continuous delivery and steady flow of work.

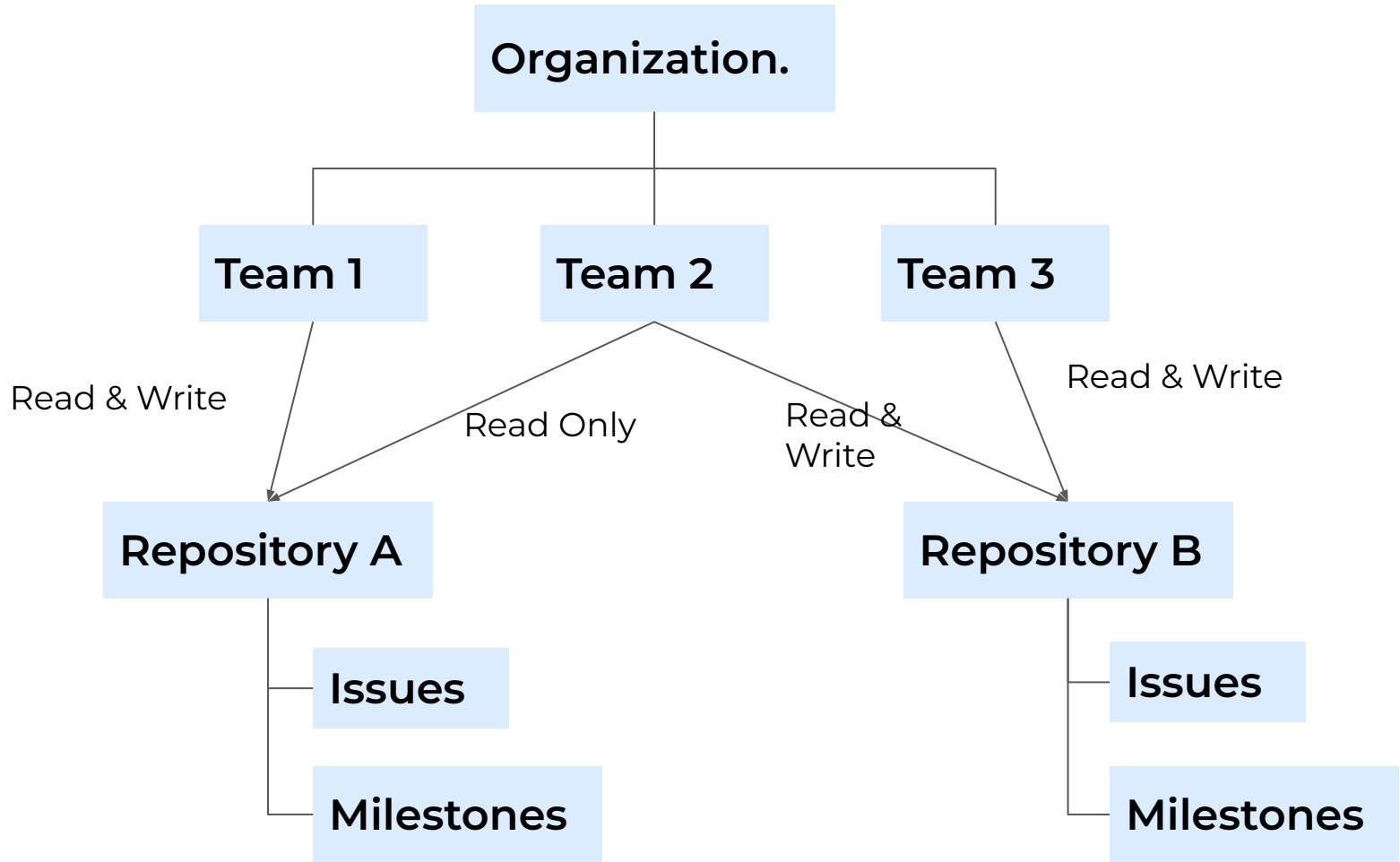


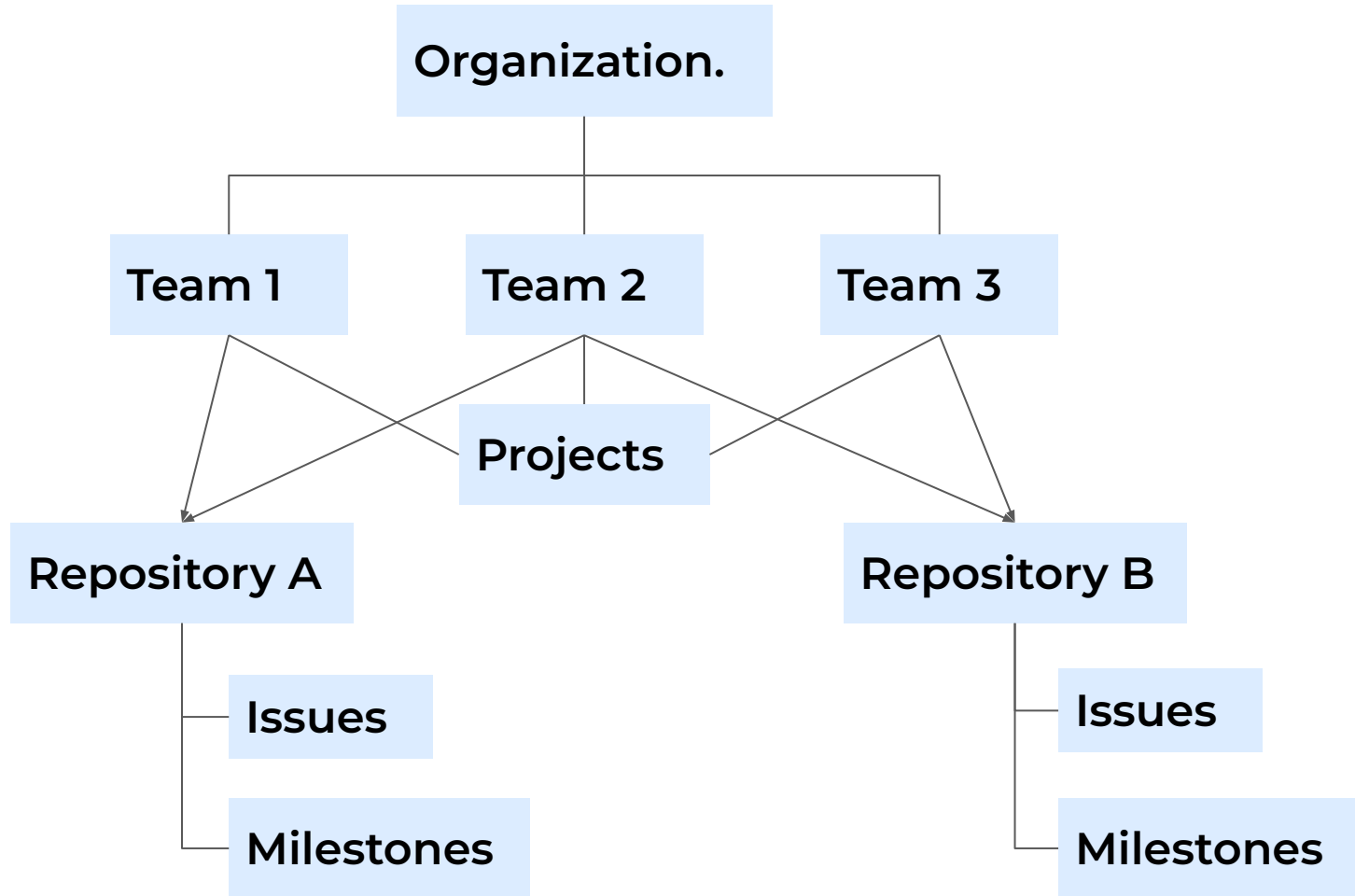
Can see everything.













# GitHub Friction Points.

- Need an account to use.
- Used by many research groups who develop code, but not all.
- Have to ingress & egress repositories in order to work in the TREs.
- Niche language and learning curve if unfamiliar.

