About GitHub

GitHub is a cloud service that allows collaborations on a “shared folder”.

Git vs GitHub.

- Git: Free and open-source “version control system”
- GitHub: Online platform providing a place to share **git repositories (or repos)**

GitHub is all about **repositories (or repos)**

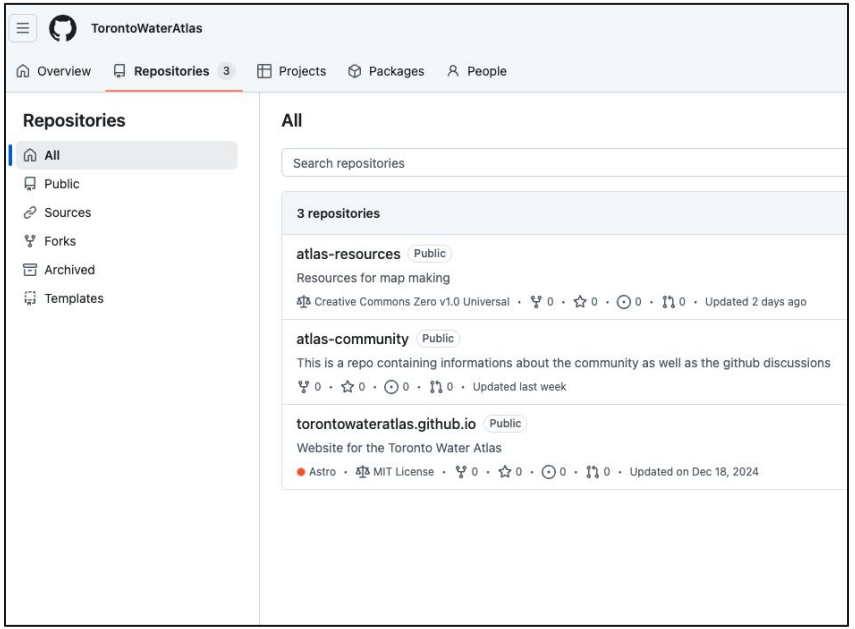
What is a “repo”?

A repo is like a **shared folder** on the cloud (e.g. Google Drive, DropBox, etc..).

Except that it is very good at **keeping track of changes**.

A repo also comes with a set of **useful tools for contributing work**:

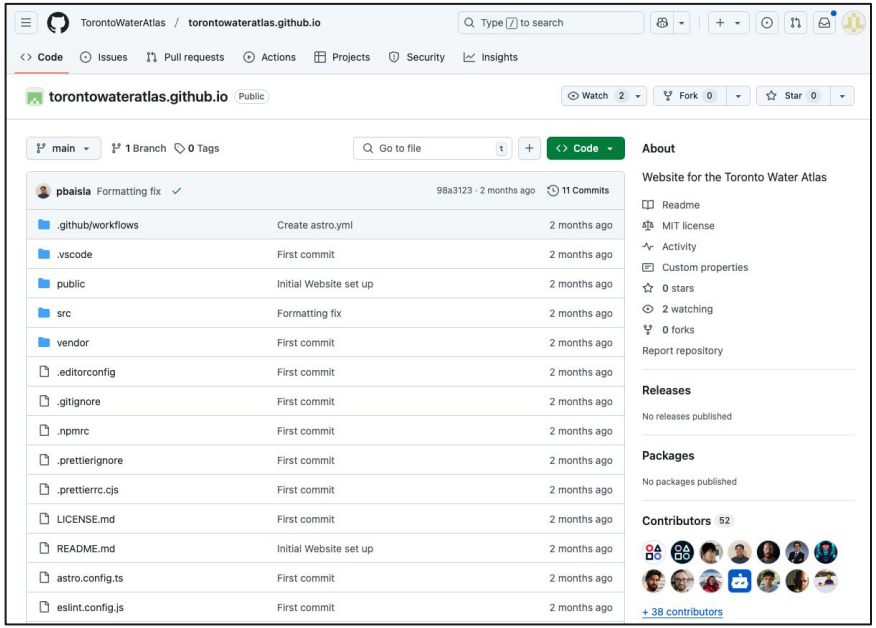
- **Issues**
- **Discussions**
- And more…



How to navigate GitHub?

Folder-like structure with **folders** and **files**.

Demo



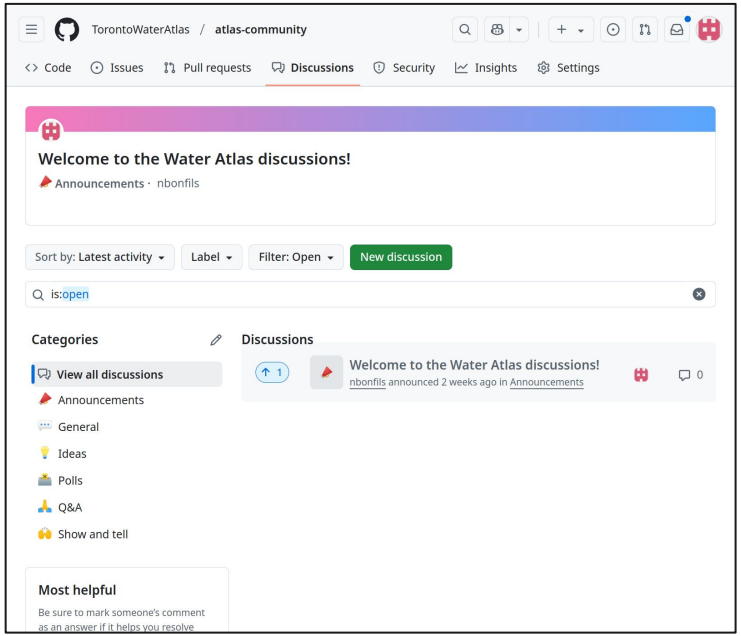
Starting to contribute: Issues

- “Issues” are like tickets to the IT department
- They can be any sorts of contributions:
  - Suggestions
  - Ideas
  - Concerns
- When created, we say they are “open”
- When resolved/addressed, we “close” them
- They are searchable
- They can be commented on

GitHub Discussions

Space to discuss, share ideas and thoughts about projects.

Similar to online forums or Reddit.



Practical Exercise

1. Create an account on https://github.com
2. Reply to the “Welcome” post in our discussion with a couple of sentences about yourself.
    a. Go to the “Discussions” tab in our “atlas-community” repo https://github.com/TorontoWaterAtlas/atlas-community
    b. Reply to the “Welcome to the Water Atlas discussions!” post

Learning More

https://docs.github.com/en/get-started

Thank you