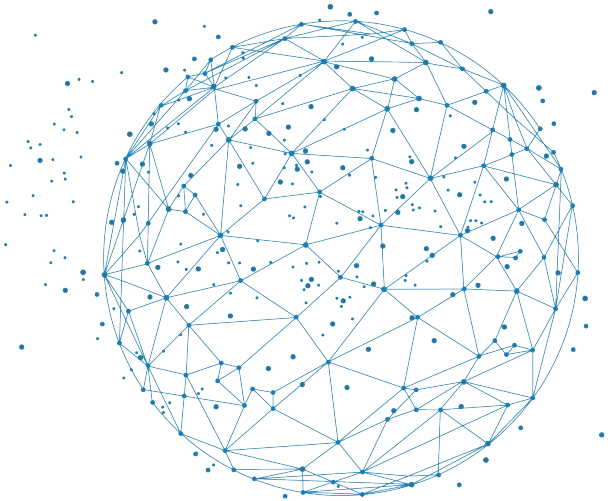
CC BY SA



Expose your work

An example with GitHub

Thomas Denecker

IFB, https://orcid.org/0000-0003-1421-7641

BiGEst

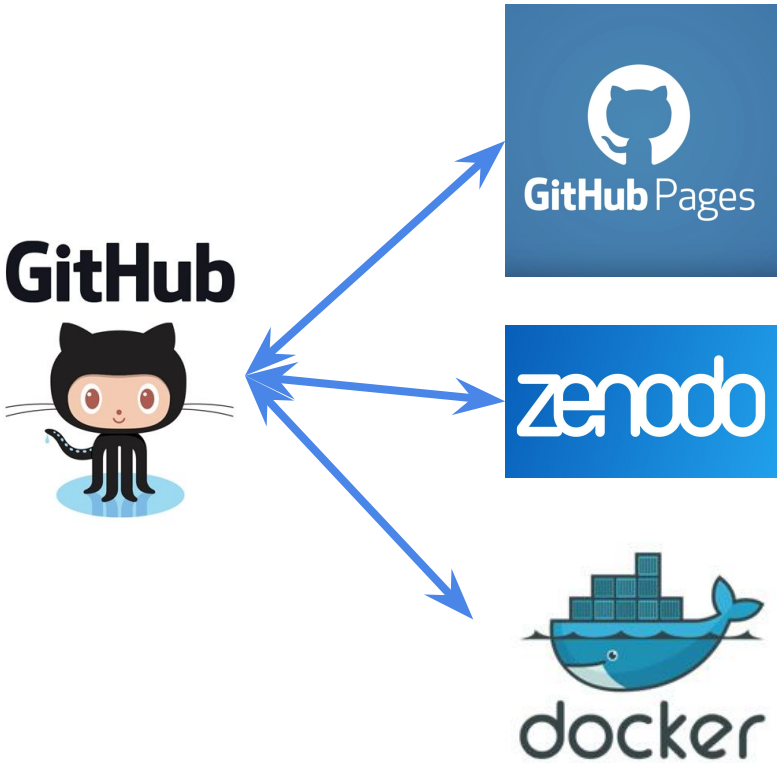
IFB INSTITUT FRANÇAIS DE BIOINFORMATIQUE

elixir FRANCE

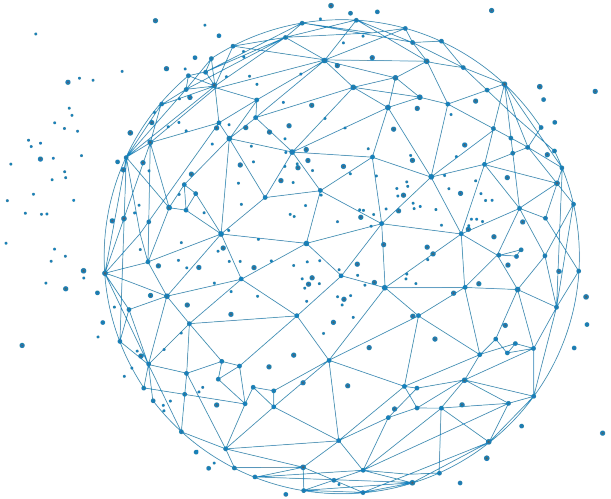
cnrs INRAE Inserm cea

Goals of this session:

- Showcase your work
- Add a licence
- Create a release
- Obtain a DOI for the project
- Docker image hosting



Showcase your work

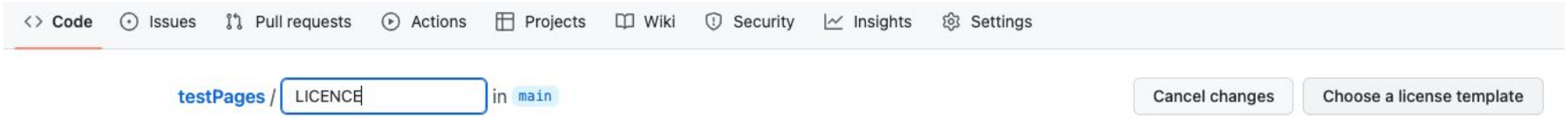


Remember to choose a licence !

This will determine whether anyone can use, modify, and distribute your code / tool / software...

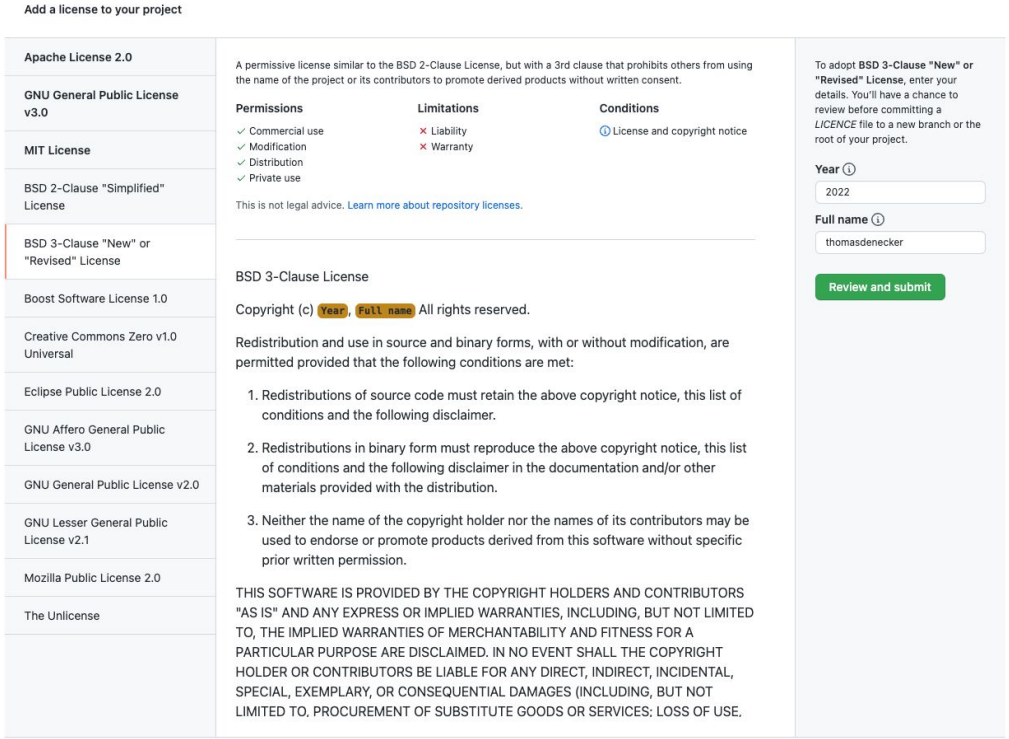
https://help.github.com/en/articles/licensing-a-repository

1. Create a file named "LICENCE"
2. GitHub will suggest templates



The CeCILL licence (v.2.1) is recommended by the CEA, CNRS and INRIA ("CEA CNRS INRIA Logiciel Libre"). Copy it directly. http://cecill.info/licences.fr.html

GitHub takes care of displaying the information on your repository.



Validate and merge with the main branch

thomasdenecker/testPages is licensed under the
BSD 3-Clause "New" or "Revised" License

A permissive license similar to the BSD 2-Clause License, but with a 3rd clause that prohibits others from using the name of the project or its contributors to promote derived products without written consent.

Permissions
- ✓ Commercial use
- ✓ Modification
- ✓ Distribution
- ✓ Private use

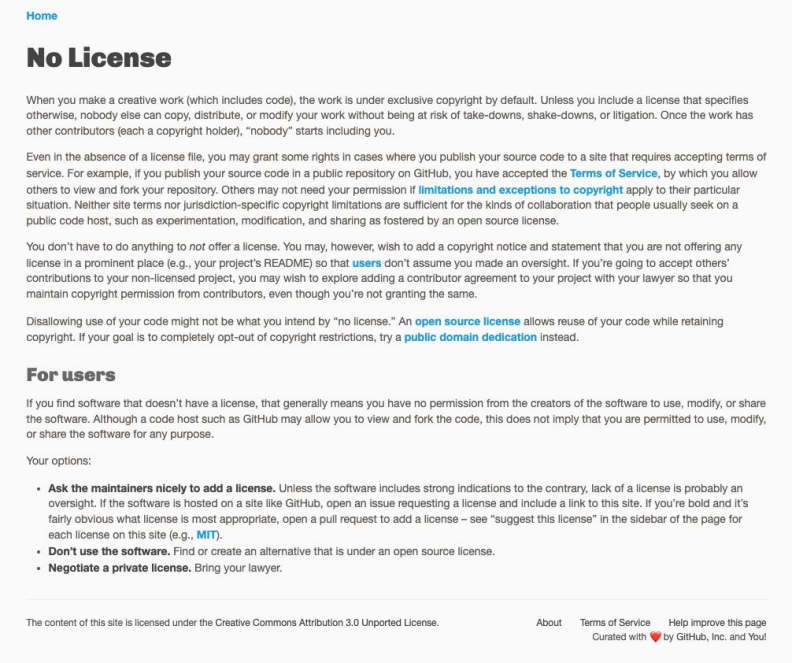
Limitations
- ✕ Liability
- ✕ Warranty

Conditions
- License and copyright notice

This is not legal advice. Learn more about repository licenses.

Kind reminder: consequence of not choosing a licence

https://choosealicense.com/no-permission/



Home

No License

When you make a creative work (which includes code), the work is under exclusive copyright by default. Unless you include a license that specifies otherwise, nobody else can copy, distribute, or modify your work without being at risk of take-downs, shake-downs, or litigation. Once the work has other contributors (each a copyright holder), "nobody" starts including you.

Even in the absence of a license file, you may grant some rights in cases where you publish your source code to a site that requires accepting terms of service. For example, if you publish your source code in a public repository on GitHub, you have accepted the **Terms of Service**, by which you allow others to view and fork your repository. Others may not need your permission if **limitations and exceptions to copyright** apply to their particular situation. Neither site terms nor jurisdiction-specific copyright limitations are sufficient for the kinds of collaboration that people usually seek on a public code host, such as experimentation, modification, and sharing as fostered by an open source license.

You don't have to do anything to *not* offer a license. You may, however, wish to add a copyright notice and statement that you are not offering any license in a prominent place (e.g., your project's README) so that **users** don't assume you made an oversight. If you're going to accept others' contributions to your non-licensed project, you may wish to explore adding a contributor agreement to your project with your lawyer so that you maintain copyright permission from contributors, even though you're not granting the same.

Disallowing use of your code might not be what you intend by "no license." An **open source license** allows reuse of your code while retaining copyright. If your goal is to completely opt-out of copyright restrictions, try a **public domain dedication** instead.

For users

If you find software that doesn't have a license, that generally means you have no permission from the creators of the software to use, modify, or share the software. Although a code host such as GitHub may allow you to view and fork the code, this does not imply that you are permitted to use, modify, or share the software for any purpose.

Your options:

- **Ask the maintainers nicely to add a license.** Unless the software includes strong indications to the contrary, lack of a license is probably an oversight. If the software is hosted on a site like GitHub, open an issue requesting a license and include a link to this site. If you're bold and it's fairly obvious what license is most appropriate, open a pull request to add a license – see "suggest this license" in the sidebar of the page for each license on this site (e.g., **MIT**).
- **Don't use the software.** Find or create an alternative that is under an open source license.
- **Negotiate a private license.** Bring your lawyer.

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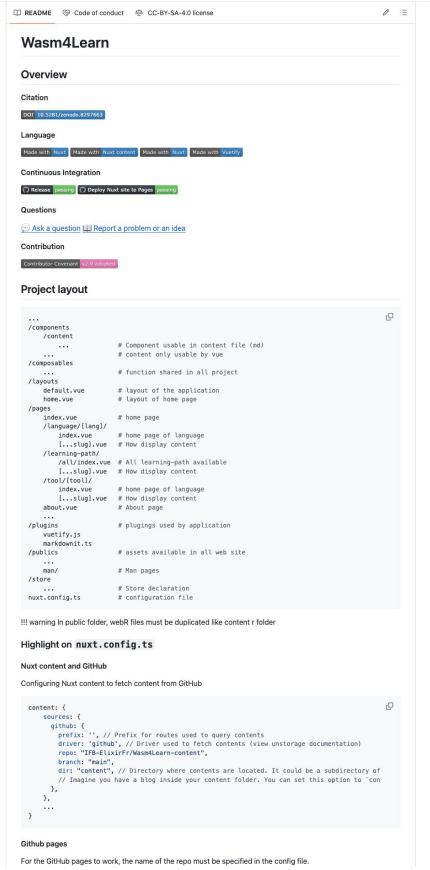
About Terms of Service Help improve this page

Curated with ❤ by GitHub, Inc. and You!

Showcase your work - Read me

A README file is essential for guiding users, documenting the project, encouraging contribution, and promoting development best practices.

Many guides to help you draw it up.



README Code of conduct CC-BY-SA-4.0 license

Wasm4Learn

Overview

Citation

DOI 10.5281/zenodo.8297663

Language

Made with Nuxt Made with Nuxt content Made with Nuxt Made with Vuetify

Continuous Integration

Release passing Deploy Nuxt site to Pages passing

Questions

Ask a question Report a problem or an idea

Contribution

Contributor Covenant 2.0 adopted

Project layout

```
...
/components
    /content
        ...                 # Component usable in content file (md)
    ...                     # content only usable by vue
/composables
    ...                     # function shared in all project
/layouts
    default.vue             # layout of the application
    home.vue                # layout of home page
/pages
    index.vue               # home page
    /language/[lang]/
        index.vue           # home page of language
        [...slug].vue       # How display content
    /learning-path/
        /all/index.vue      # All learning-path available
        [...slug].vue       # How display content
    /tool/[tool]/
        index.vue           # home page of language
        [...slug].vue       # How display content
    about.vue               # About page
    ...
/plugins                    # plugings used by application
    vuetify.js
    markdownit.ts
/publics                    # assets available in all web site
    ...
    man/                    # Man pages
/store
    ...                     # Store declaration
nuxt.config.ts              # configuration file
```

!!! warning In public folder, webR files must be duplicated like content r folder

Highlight on `nuxt.config.ts`

Nuxt content and GitHub

Configuring Nuxt content to fetch content from GitHub

```
content: {
    sources: {
      github: {
        prefix: '', // Prefix for routes used to query contents
        driver: 'github', // Driver used to fetch contents (view unstorage documentation)
        repo: "IFB-ElixirFr/Wasm4Learn-content",
        branch: "main",
        dir: "content", // Directory where contents are located. It could be a subdirectory of
        // Imagine you have a blog inside your content folder. You can set this option to `con
      },
    },
    ...
}
```

Github pages

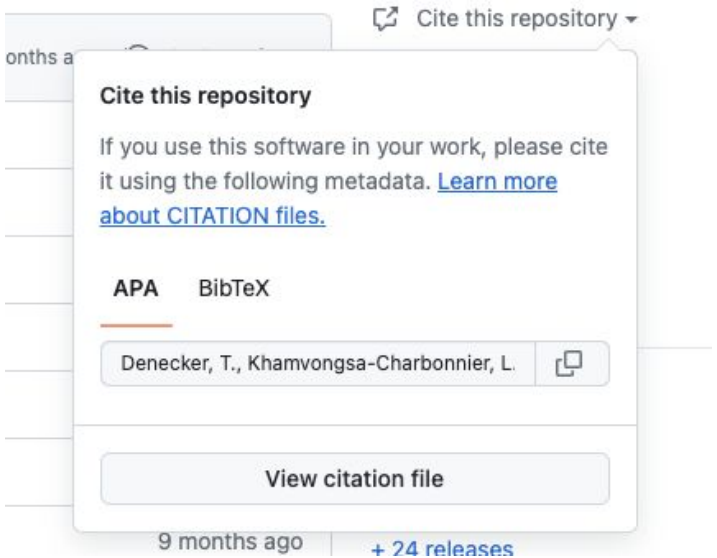
For the GitHub pages to work, the name of the repo must be specified in the config file.

Showcase your work - CITATION files

You can add a CITATION file to your repository to help users correctly cite your software.

Example of CITATION.cff

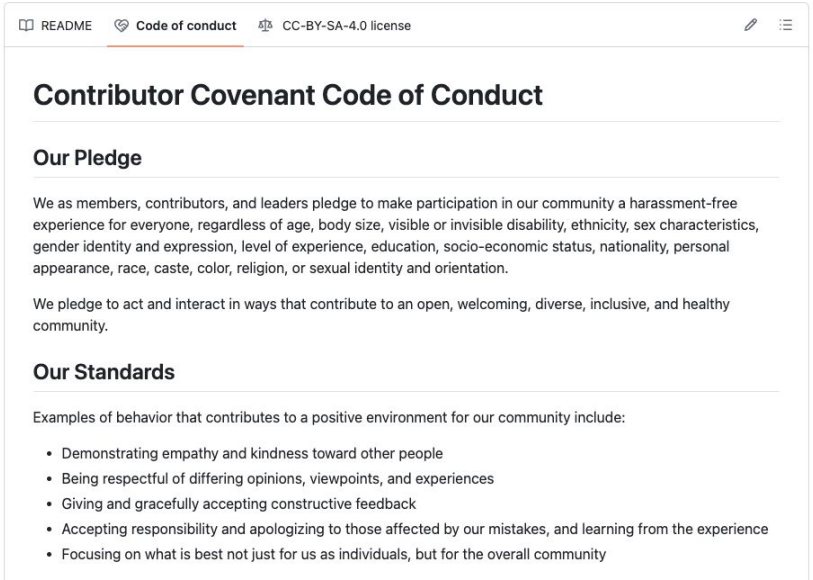
```
cff-version: 1.2.0
message: "If you use this software, please cite it as below."
authors:
- family-names: "Lisa"
  given-names: "Mona"
  orcid: "https://orcid.org/0000-0000-0000-0000"
- family-names: "Bot"
  given-names: "Hew"
  orcid: "https://orcid.org/0000-0000-0000-0000"
title: "My Research Software"
version: 2.0.4
doi: 10.5281/zenodo.1234
date-released: 2017-12-18
  url: "https://github.com/github-linguist/linguist"
```



Showcase your work - Code of conduct

A code of conduct helps to create a positive and respectful environment where all community members can contribute meaningfully and feel safe.

Where to find one for your repository ?
https://www.contributor-covenant.org/version/2/1/code_of_conduct/


README | Code of conduct | CC-BY-SA-4.0 license

Contributor Covenant Code of Conduct

Our Pledge

We as members, contributors, and leaders pledge to make participation in our community a harassment-free experience for everyone, regardless of age, body size, visible or invisible disability, ethnicity, sex characteristics, gender identity and expression, level of experience, education, socio-economic status, nationality, personal appearance, race, caste, color, religion, or sexual identity and orientation.

We pledge to act and interact in ways that contribute to an open, welcoming, diverse, inclusive, and healthy community.

Our Standards

Examples of behavior that contributes to a positive environment for our community include:

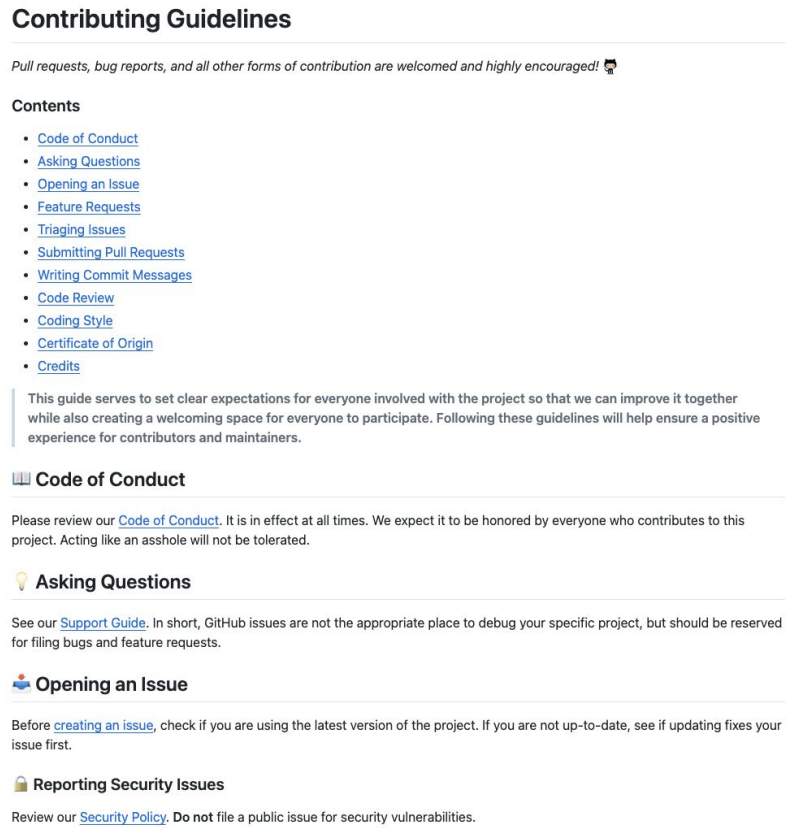
- Demonstrating empathy and kindness toward other people
- Being respectful of differing opinions, viewpoints, and experiences
- Giving and gracefully accepting constructive feedback
- Accepting responsibility and apologizing to those affected by our mistakes, and learning from the experience
- Focusing on what is best not just for us as individuals, but for the overall community

Showcase your work - Contributing file

A CONTRIBUTING file serves as a valuable resource for guiding contributors, clarifying expectations, promoting collaboration, and fostering a positive and inclusive community around the project.

Documentation

https://docs.github.com/fr/communities/setting-up-your-project-for-healthy-contributions/setting-guidelines-for-repository-contributors



Contributing Guidelines

Pull requests, bug reports, and all other forms of contribution are welcomed and highly encouraged!

Contents

- Code of Conduct
- Asking Questions
- Opening an Issue
- Feature Requests
- Triaging Issues
- Submitting Pull Requests
- Writing Commit Messages
- Code Review
- Coding Style
- Certificate of Origin
- Credits

> This guide serves to set clear expectations for everyone involved with the project so that we can improve it together while also creating a welcoming space for everyone to participate. Following these guidelines will help ensure a positive experience for contributors and maintainers.

📖 Code of Conduct

Please review our Code of Conduct. It is in effect at all times. We expect it to be honored by everyone who contributes to this project. Acting like an asshole will not be tolerated.

💡 Asking Questions

See our Support Guide. In short, GitHub issues are not the appropriate place to debug your specific project, but should be reserved for filing bugs and feature requests.

📩 Opening an Issue

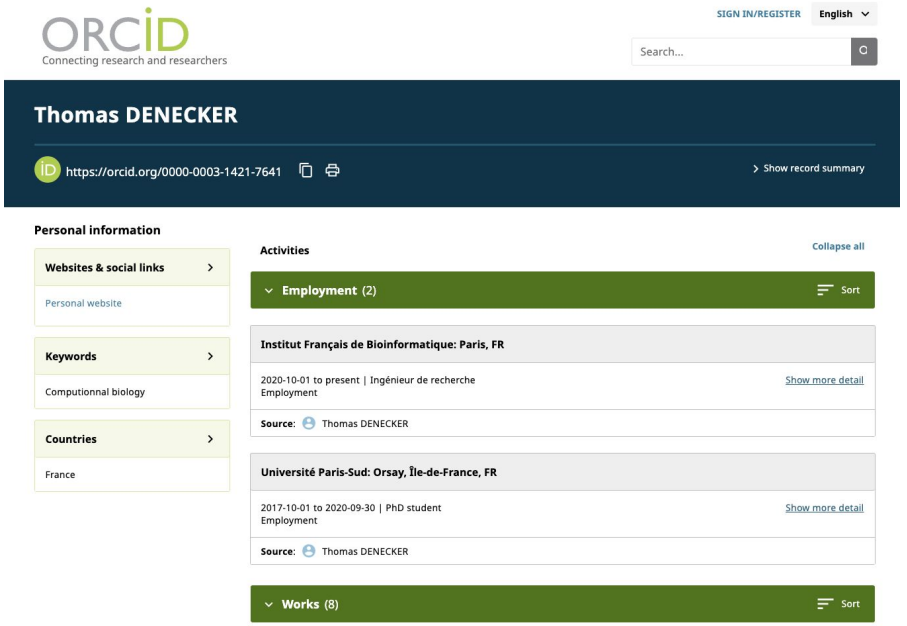
Before creating an issue, check if you are using the latest version of the project. If you are not up-to-date, see if updating fixes your issue first.

🔒 Reporting Security Issues

Review our Security Policy. **Do not** file a public issue for security vulnerabilities.

Focus on ORCID

ORCID (Open Researcher and Contributor ID) is a unique digital identifier assigned to a researcher or academic contributor. It aims to solve the problem of name ambiguity in research, where multiple authors may share the same name or similar names.



Why ?

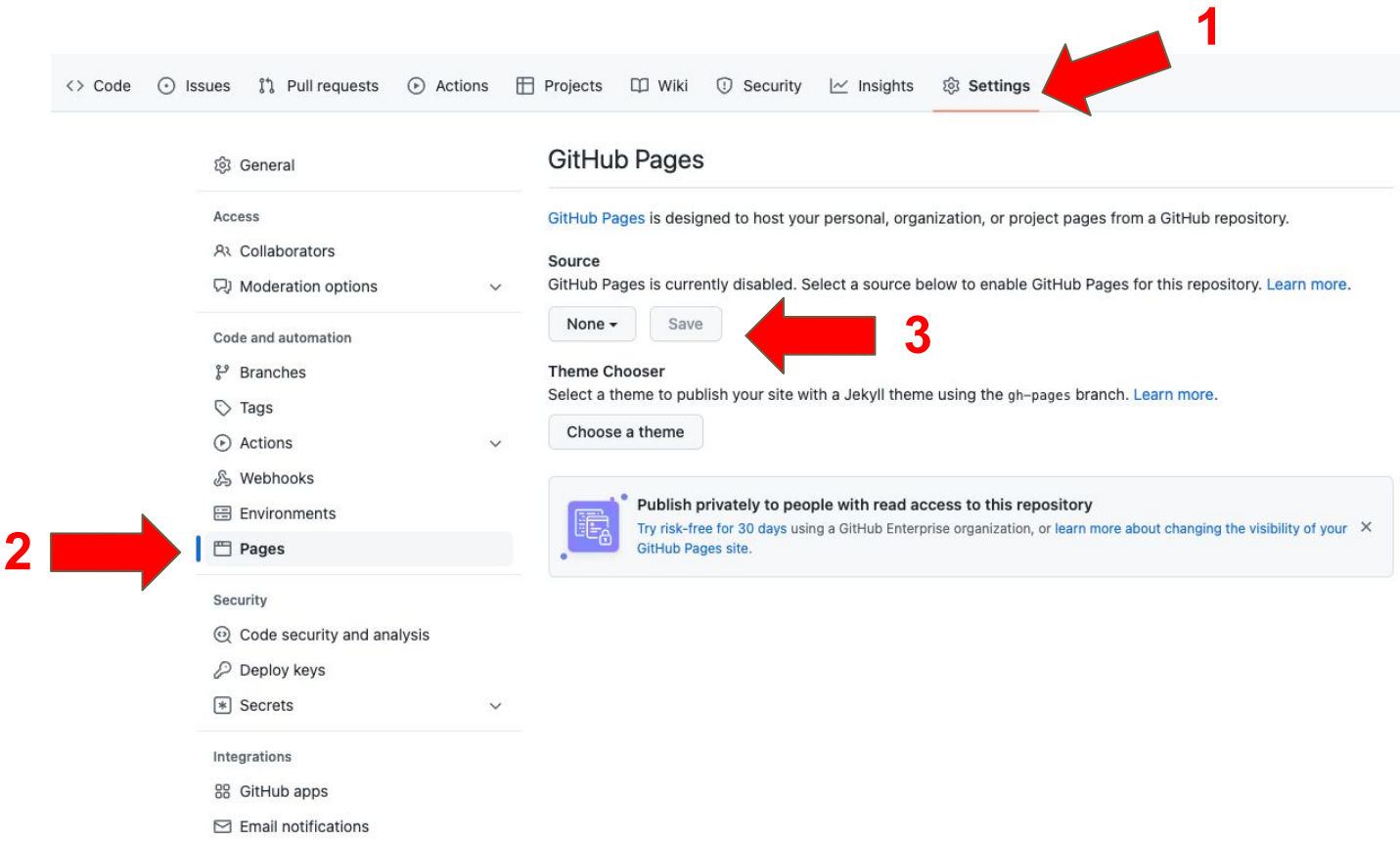
- Your project is simpler to share and find

Advantages

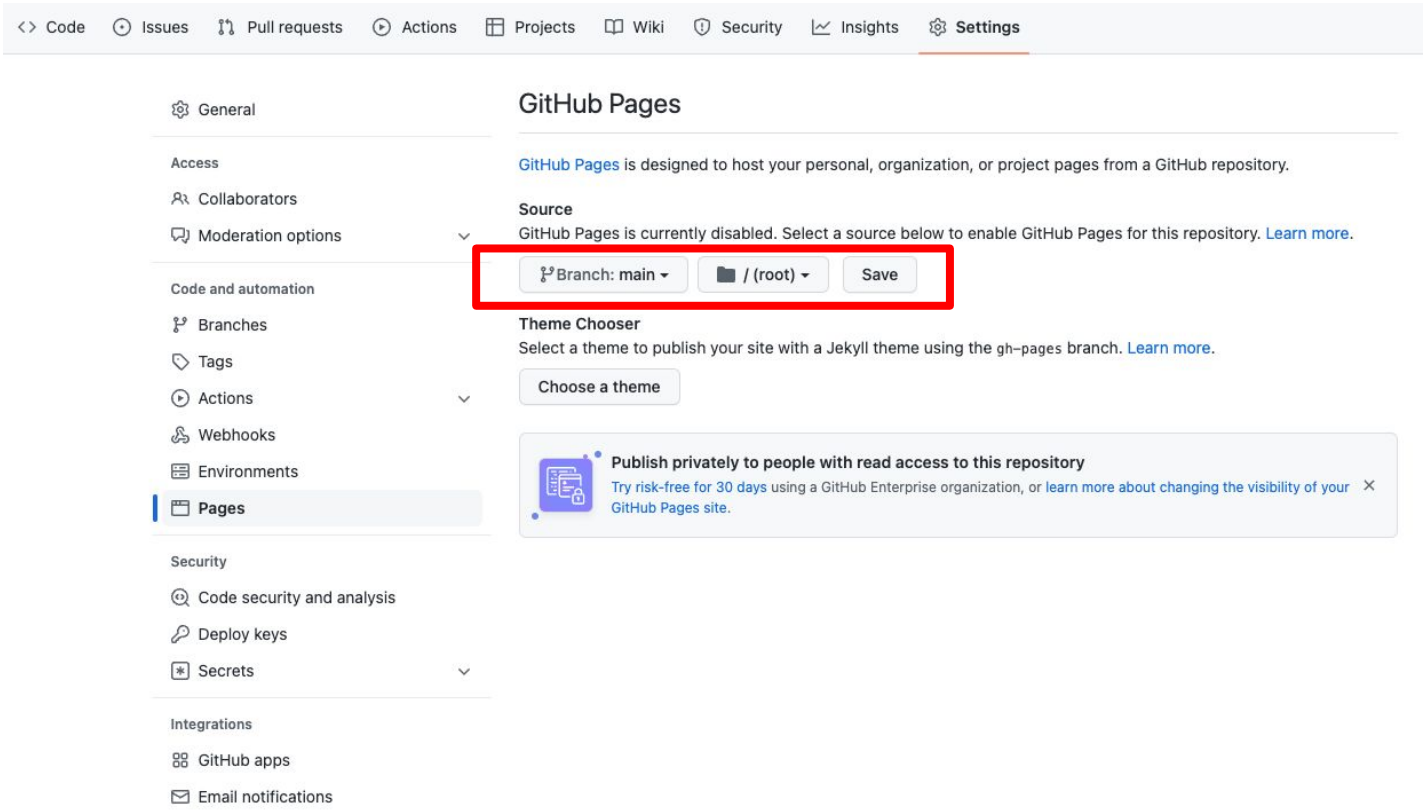
- Free hosting of static websites
- Able to convert Markdown into a website

Documentation : https://pages.github.com/

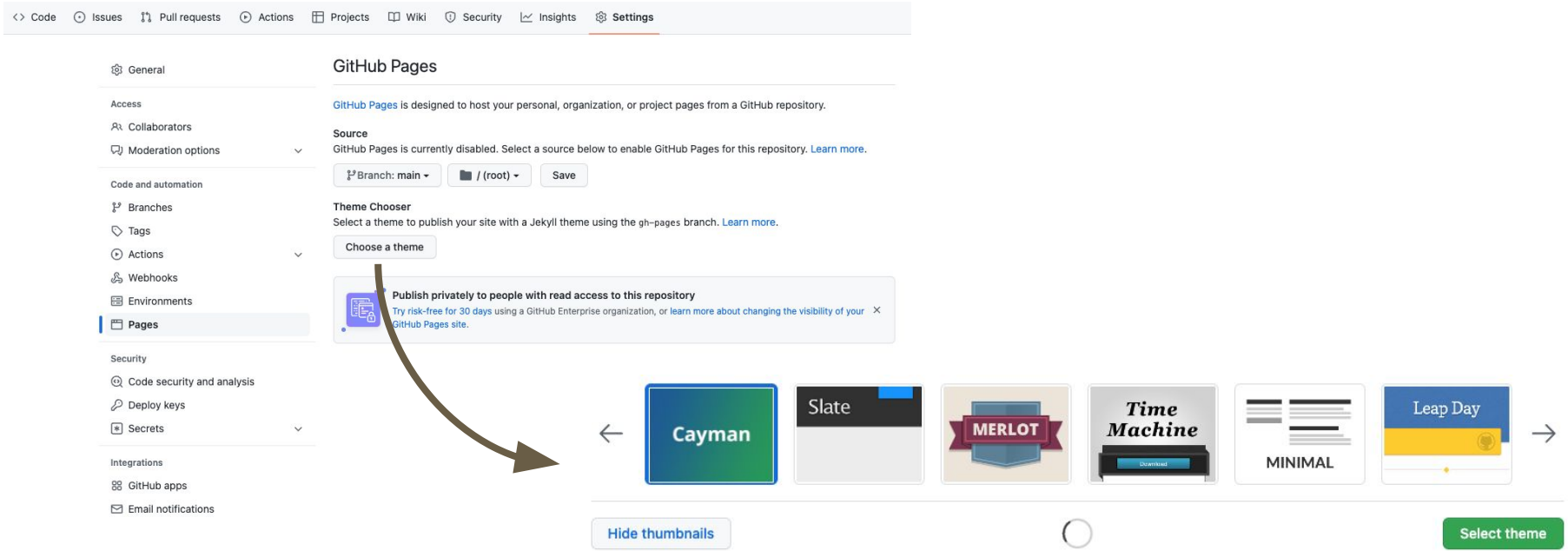
Showcase your work - In practice



Showcase your work - In practice

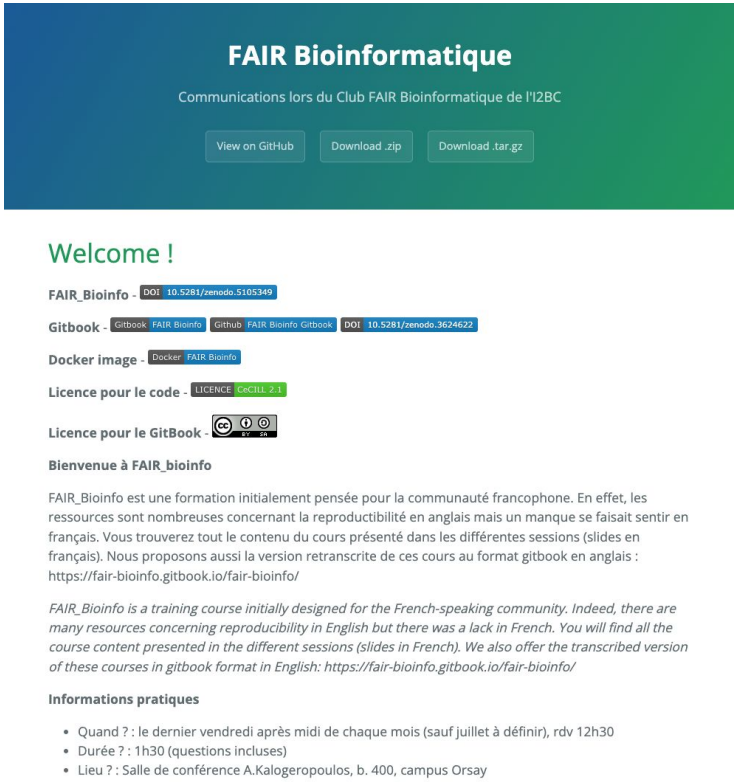


Showcase your work - In practice



Convert Markdown into HTML !

```
# Welcome !

**FAIR_Bioinfo** - [![DOI](https://zenodo.org/badge/164655551.svg)](https://zenodo.org/badge/latestdoi/164655551)

**Gitbook** - [![](https://img.shields.io/badge/Gitbook-FAIR_Bioinfo-blue.svg)](https://fair-bioinfo.gitbook.io/fair-bioinfo/)
[![](https://img.shields.io/badge/Github-FAIR_Bioinfo_Gitbook-blue.svg)](https://github.com/thomasdenecker/FAIR_Bioinfo-
Gitbook)
[![DOI](https://zenodo.org/badge/197582632.svg)](https://zenodo.org/badge/latestdoi/197582632)

**Docker image** - [![](https://img.shields.io/badge/Docker-FAIR_Bioinfo-blue.svg)]
(https://hub.docker.com/r/tdenecker/fair_bioinfo) [![]
(https://images.microbadger.com/badges/image/tdenecker/fair_bioinfo.svg)]
(https://microbadger.com/images/tdenecker/fair_bioinfo)

**Licence pour le code** - [![](https://img.shields.io/badge/LICENCE-CeCILL%202.1-brightgreen.svg)]
(https://github.com/thomasdenecker/FAIR_Bioinfo/blob/master/LICENCE)

**Licence pour le GitBook** -
[![CC BY-SA 4.0][cc-by-sa-image]][cc-by-sa]

[cc-by-sa]: http://creativecommons.org/licenses/by-sa/4.0/
[cc-by-sa-image]: https://licensebuttons.net/l/by-sa/4.0/88x31.png
[cc-by-sa-shield]: https://img.shields.io/badge/License-CC%20BY--SA%204.0-lightgrey.svg

**Bienvenue à FAIR_bioinfo**

FAIR_Bioinfo est une formation initialement pensée pour la communauté francophone. En effet, les ressources sont nombreuses
concernant la reproductibilité en anglais mais un manque se faisait sentir en français. Vous trouverez tout le contenu du
cours présenté dans les différentes sessions (slides en français). Nous proposons aussi la version retranscrite de ces cours
au format gitbook en anglais : https://fair-bioinfo.gitbook.io/fair-bioinfo/

*FAIR_Bioinfo is a training course initially designed for the French-speaking community. Indeed, there are many resources
concerning reproducibility in English but there was a lack in French. You will find all the course content presented in the
different sessions (slides in French). We also offer the transcribed version of these courses in gitbook format in English:
https://fair-bioinfo.gitbook.io/fair-bioinfo/*

**Informations pratiques**
- Quand ? : le dernier vendredi après midi de chaque mois (sauf juillet à définir), rdv 12h30
- Durée ? : 1h30 (questions incluses)
- Lieu ? : Salle de conférence A.Kalogeropoulos, b. 400, campus Orsay

**Objectifs**

L'objectif est de proposer et d'utiliser un panel d'outils permettant la réalisation d'un projet complet de bio-info en
partant de rien et aboutissant à la création d'un conteneur (technologie Docker). Le partage, la valorisation et l'analyse
dynamique des données seront inclus dans le panel.
FAIR correspond à l'acronyme anglais "Findable, Accessible, Interoperable, & Reusable", initialement défini pour les données
mais que nous détournons ici pour leurs protocoles d'analyse.
Le projet support est une étude "d'expression différentielle de gènes" à partir de données RNAseq d'O.tauri.
```



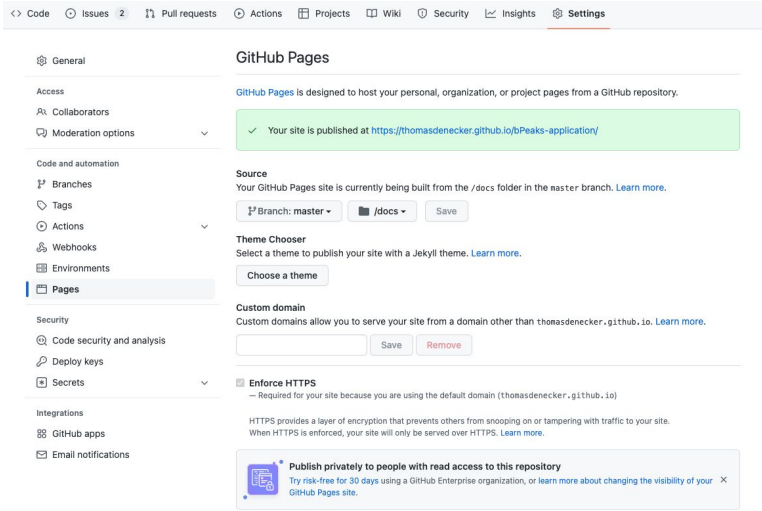
Showcase your work - In practice

Also works directly from HTML

1. Create a folder named ”docs”

   main file must be named index.html

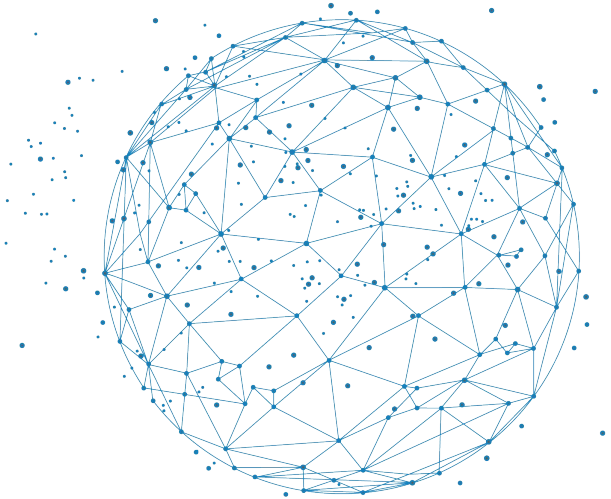
1. ”Settings” → ”Options” → ”GitHub Pages”



example :

https://thomasdenecker.github.io/bPeaks-application/

Release

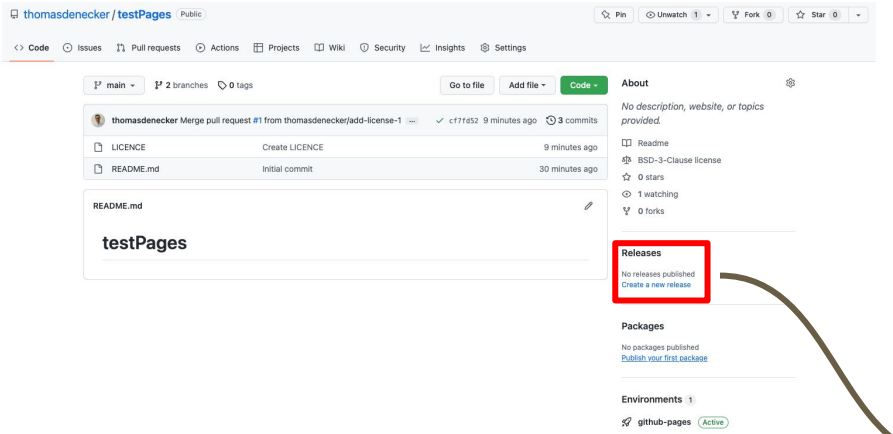


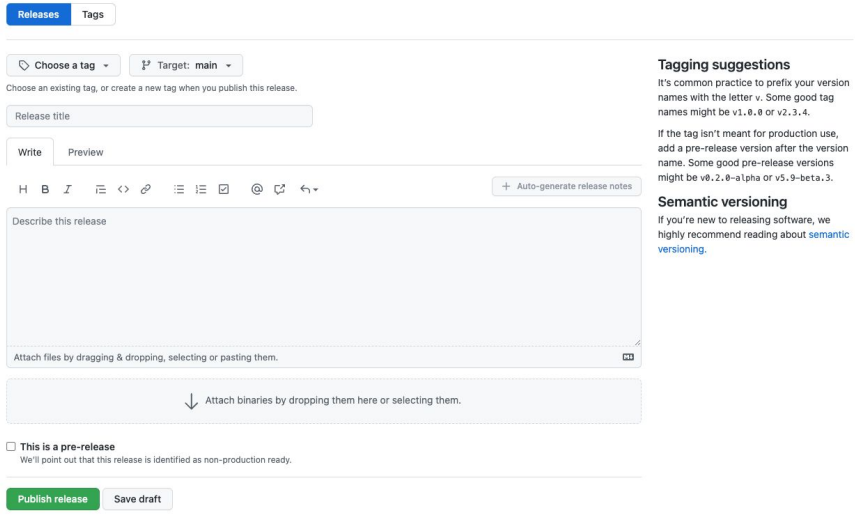
Goal

provide users with a version of your code that has been fixed in time and labelled. All the steps are detailed here:

https://help.github.com/en/articles/creating-releases

Make a release





Semantic of a release number

1.0.0

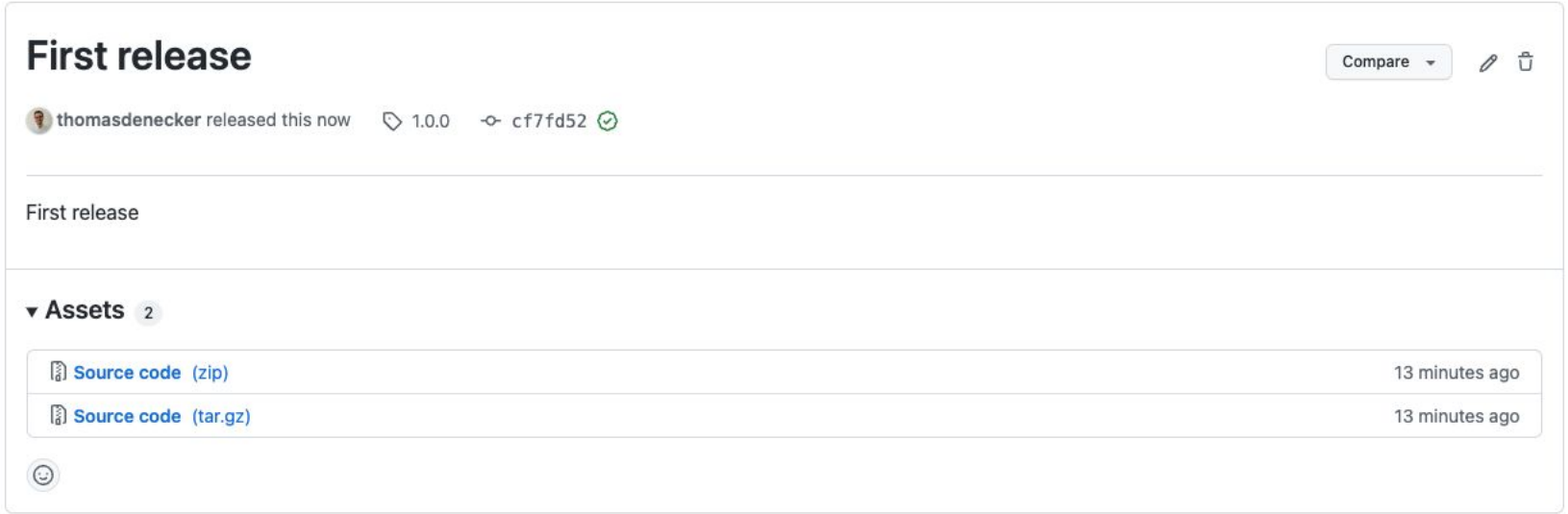
MAJOR.MINOR.PATCH

MAJOR : changes not backwards-compatible

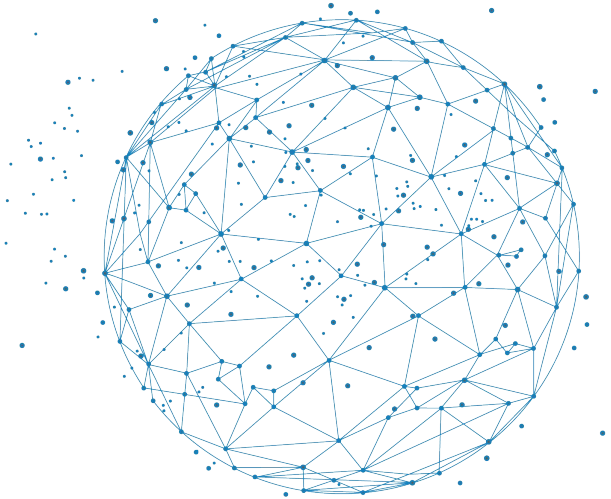
MINOR : new/modified functionalities, backwards-compatible

PATCH : bug fixes, backwards-compatible More details : https://semver.org/

First release for test page



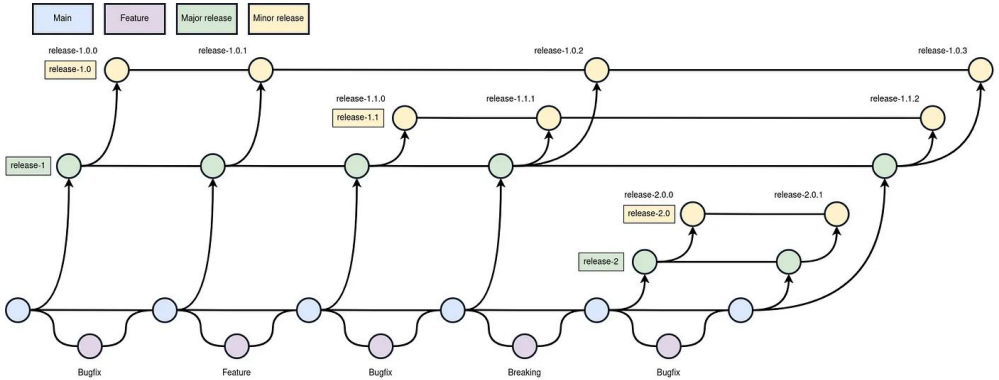
Semantic-release



semantic-release

semantic-release automates the whole package release workflow including: determining the next version number, generating the release notes, and publishing the package.

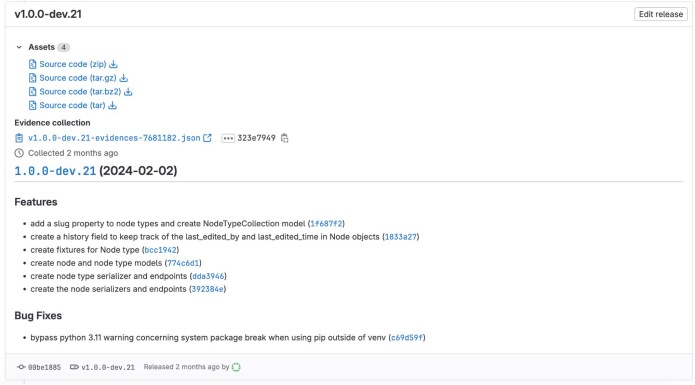
Documentation
https://semantic-release.gitbook.io/semantic-release



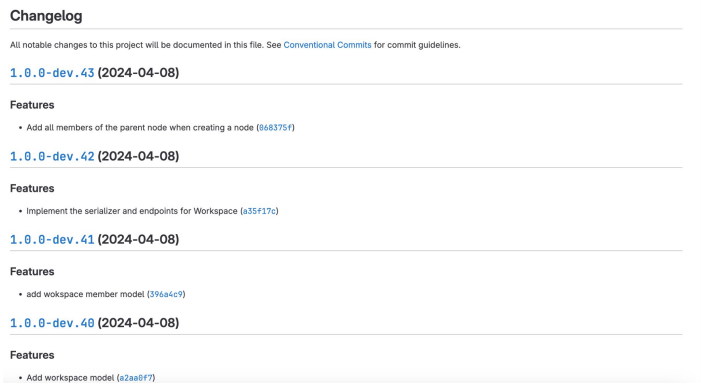
https://medium.com/@gordon.messmer/semantic-releases-part-1-an-example-process-7b99d6b872ab

Why ?

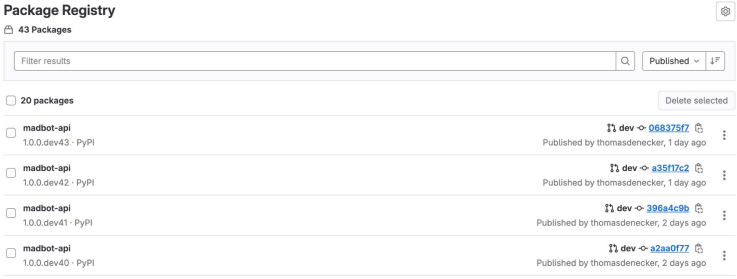
Releases



Changelog file



Packages (ie: python)



Container (ie: docker)

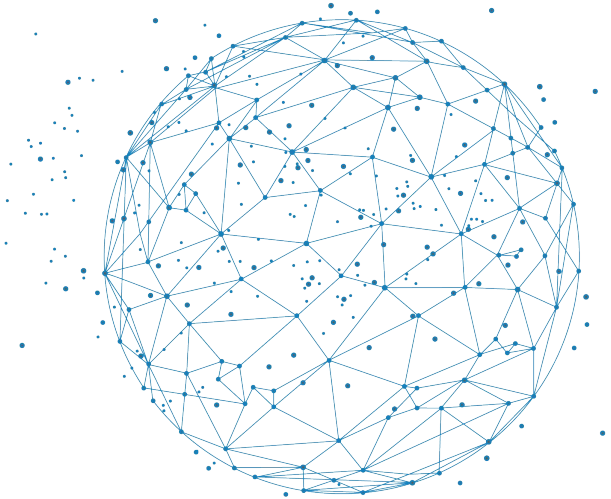
All you have to do is write your commits following the Conventional Commits
https://www.conventionalcommits.org/en/v1.0.0/

```
<type>[optional scope]: <description>

[optional body]

[optional footer(s)]
```

Example

```
feat: allow provided config object to extend other configs
```

Obtain a DOI

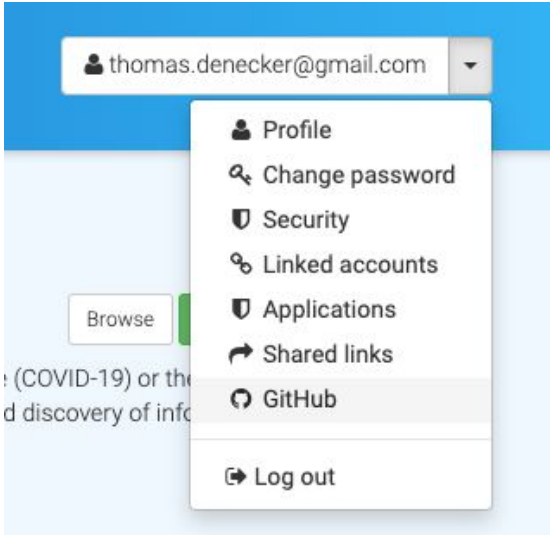


Digital Object Identifier

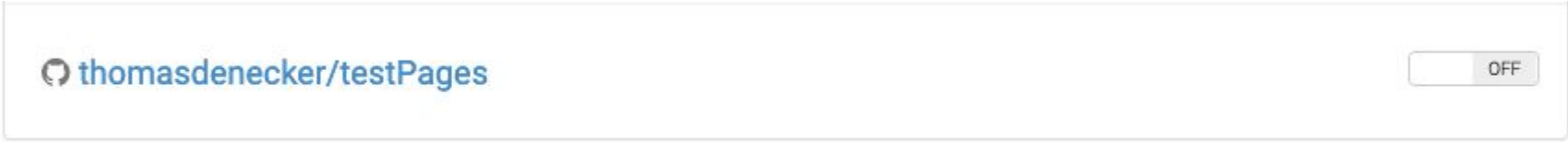
Reference system to cite an object (A GitHub project in our case)

https://docs.github.com/en/repositories/archiving-a-github-repository/referencing-and-citing-content

1. Sign in to Zenodo
   - With your GitHub account
   - With your ORCID account (add a ”Linked account” to GitHub afterwards)
1. Go to the Settings page ! GitHub tab

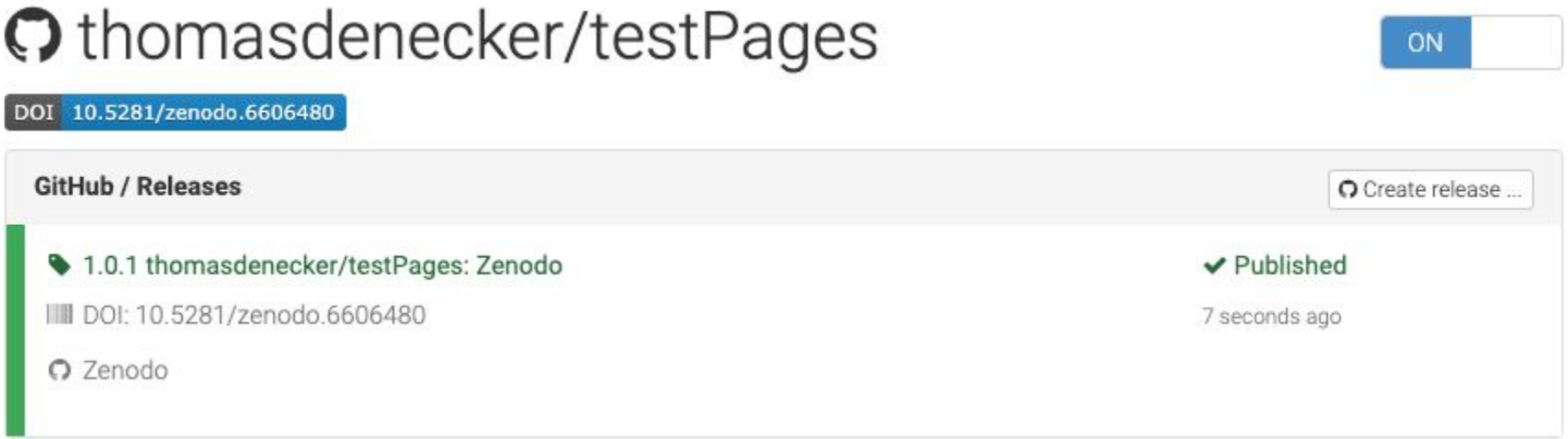


3. In the list below, find the project you want to link to Zenodo. Flip the switch.

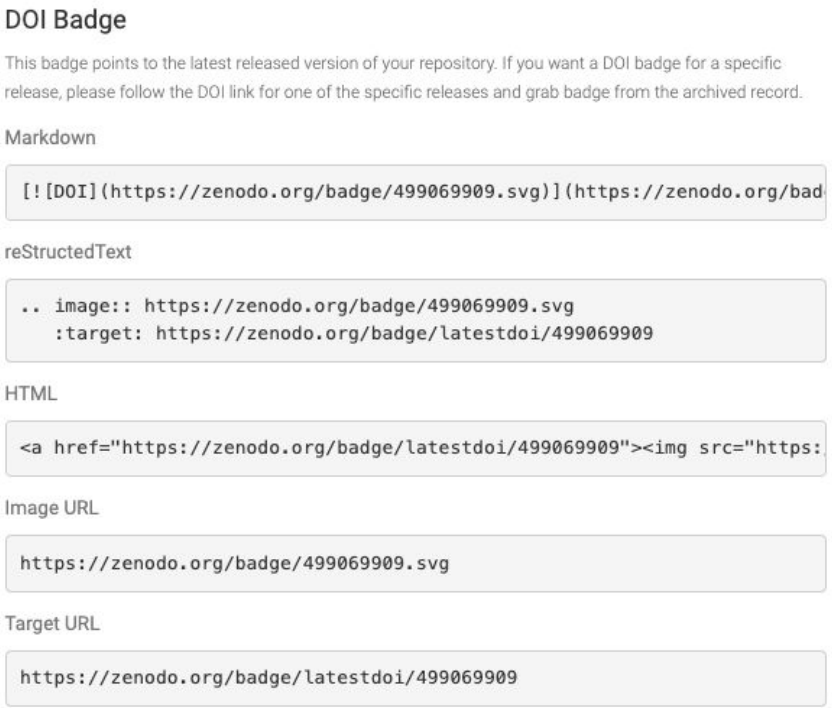


4. Create a new issue

Obtain a DOI


thomasdenecker/testPages
ON
DOI 10.5281/zenodo.6606480
GitHub / Releases
Create release ...
1.0.1 thomasdenecker/testPages: Zenodo
Published
DOI: 10.5281/zenodo.6606480
7 seconds ago
Zenodo

You can add the doi badge in your READ ME



DOI Badge

This badge points to the latest released version of your repository. If you want a DOI badge for a specific release, please follow the DOI link for one of the specific releases and grab badge from the archived record.

Markdown

```
[![DOI](https://zenodo.org/badge/499069909.svg)](https://zenodo.org/bad
```

reStructedText

```
.. image:: https://zenodo.org/badge/499069909.svg
   :target: https://zenodo.org/badge/latestdoi/499069909
```

HTML

```
<a href="https://zenodo.org/badge/latestdoi/499069909"><img src="https:
```

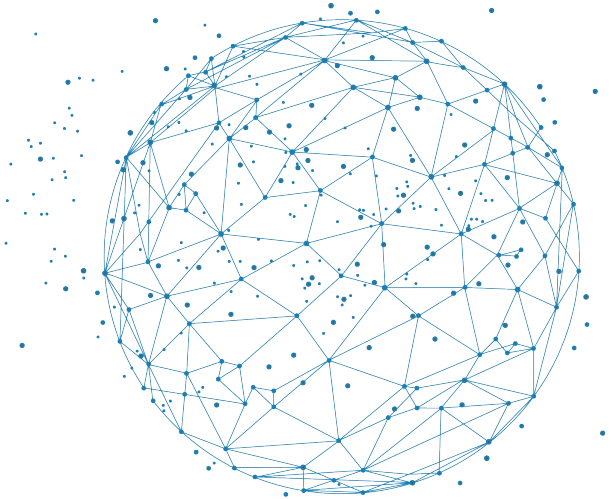
Image URL

```
https://zenodo.org/badge/499069909.svg
```

Target URL

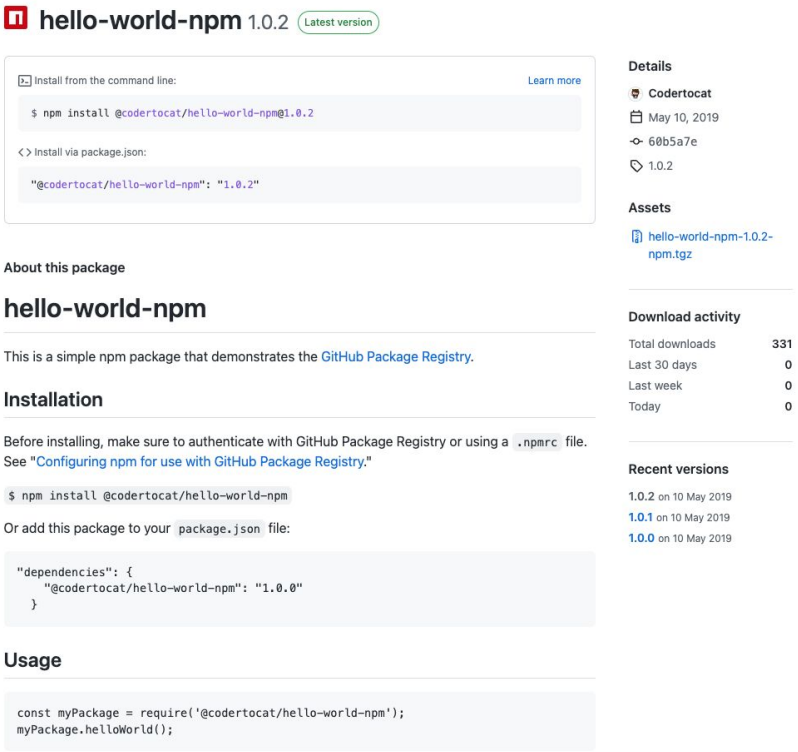
```
https://zenodo.org/badge/latestdoi/499069909
```

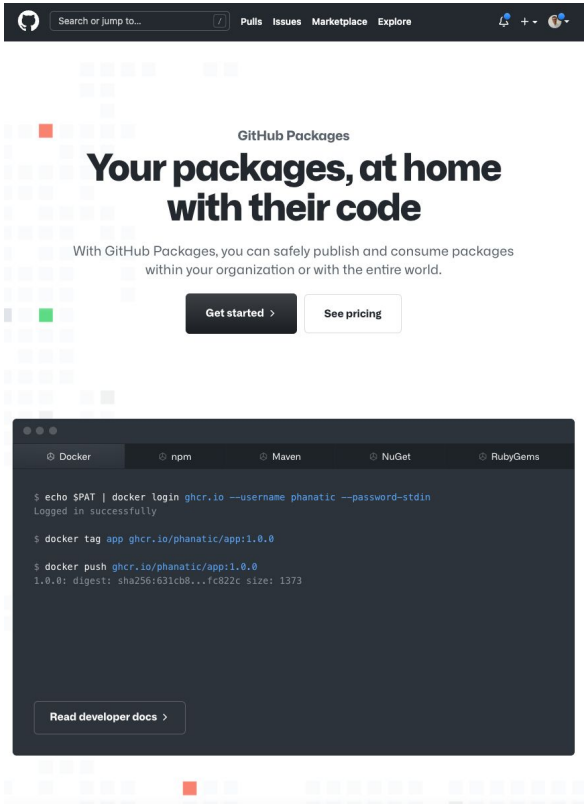
Docker image hosting



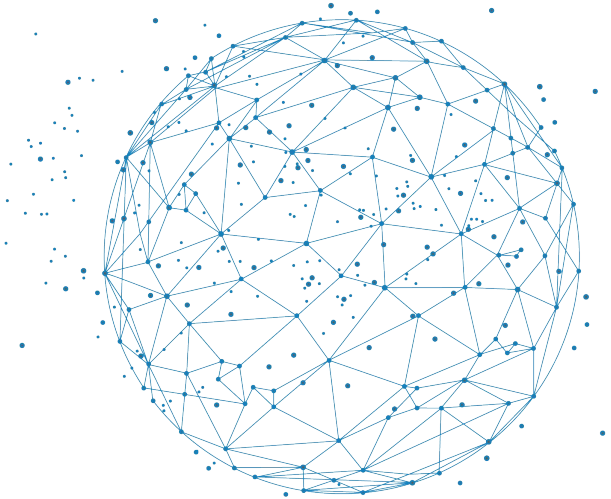
Docker image hosting

https://github.com/features/packages

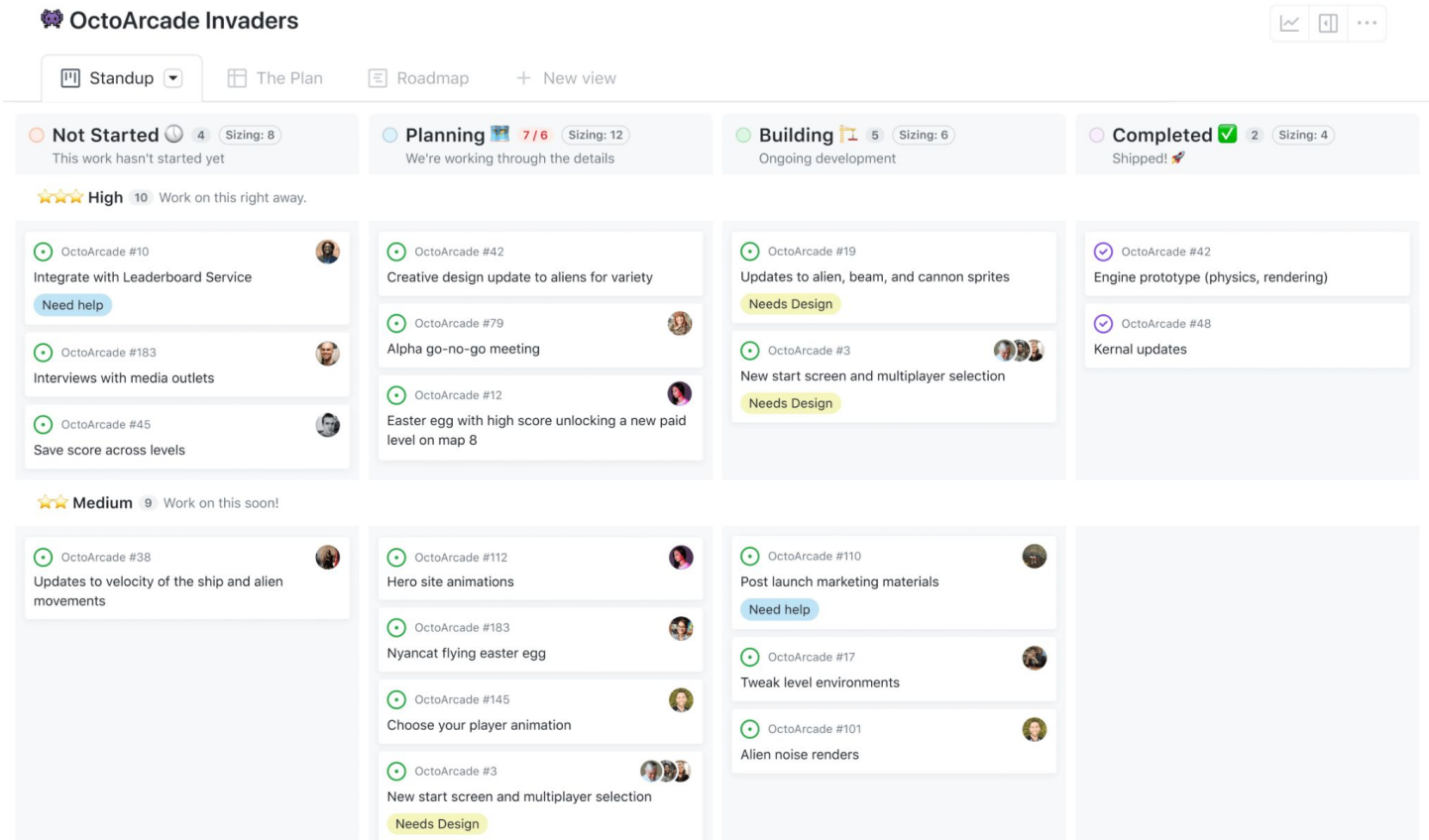




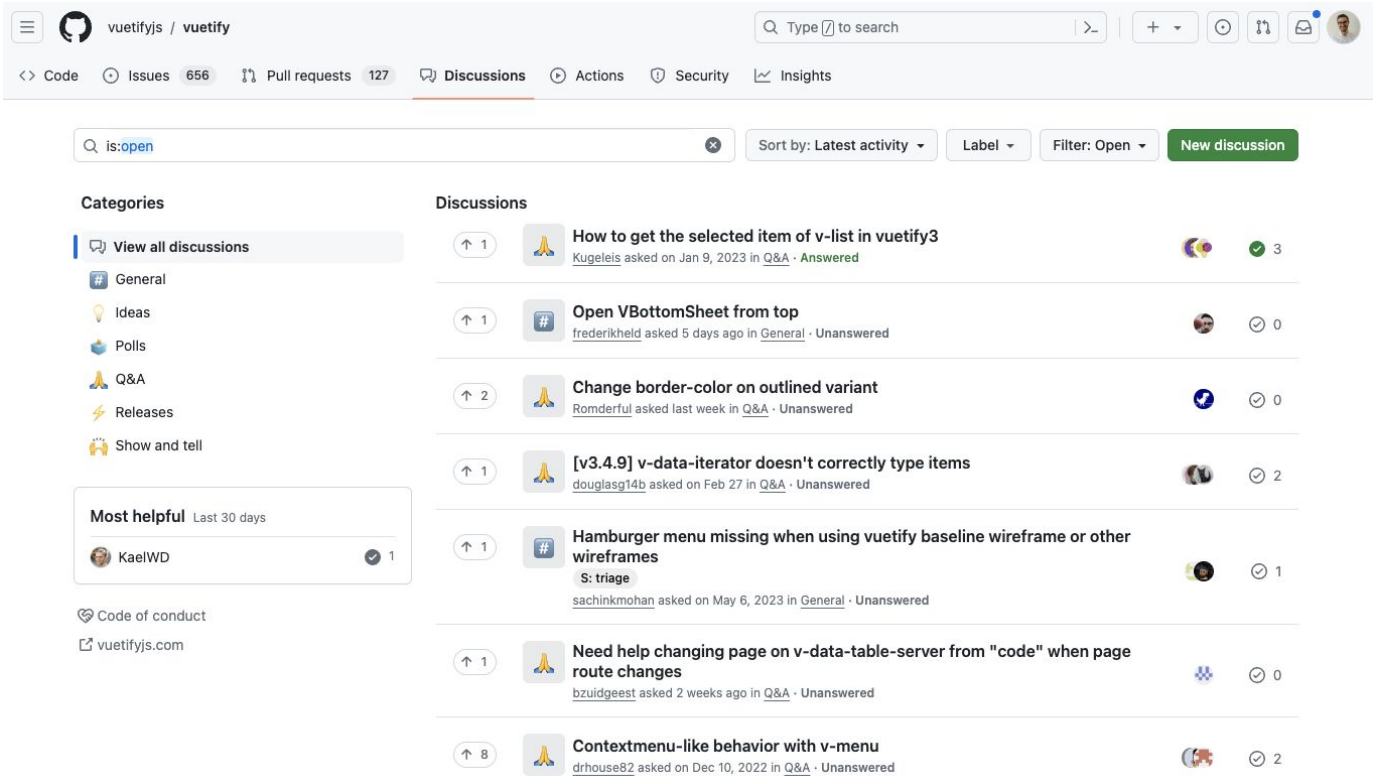
And also…



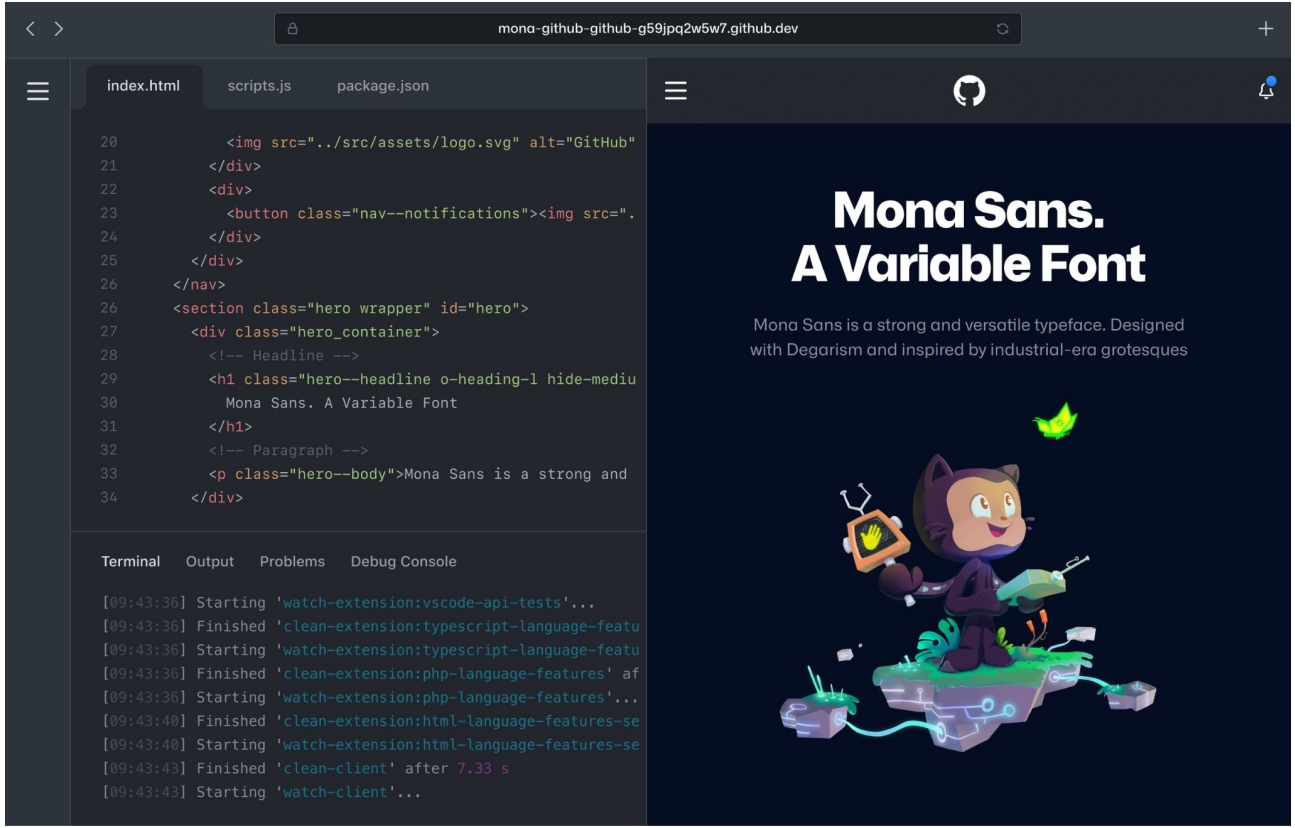
Project management



Discussion


vuetifyjs / vuetify
Type / to search
Code
Issues 656
Pull requests 127
Discussions
Actions
Security
Insights
is:open
Sort by: Latest activity
Label
Filter: Open
New discussion
Categories
View all discussions
General
Ideas
Polls
Q&A
Releases
Show and tell
Most helpful Last 30 days
KaelWD 1
Code of conduct
vuetifyjs.com
Discussions
1 How to get the selected item of v-list in vuetify3
Kugeleis asked on Jan 9, 2023 in Q&A · Answered 3
1 Open VBottomSheet from top
frederikheld asked 5 days ago in General · Unanswered 0
2 Change border-color on outlined variant
Romderful asked last week in Q&A · Unanswered 0
1 [v3.4.9] v-data-iterator doesn't correctly type items
douglasg14b asked on Feb 27 in Q&A · Unanswered 2
1 Hamburger menu missing when using vuetify baseline wireframe or other wireframes
S: triage
sachinkmohan asked on May 6, 2023 in General · Unanswered 1
1 Need help changing page on v-data-table-server from "code" when page route changes
bzuidgeest asked 2 weeks ago in Q&A · Unanswered 0
8 Contextmenu-like behavior with v-menu
drhouse82 asked on Dec 10, 2022 in Q&A · Unanswered 2

Codespace


mona-github-github-g59jpq2w5w7.github.dev
index.html
scripts.js
package.json
<img src="../src/assets/logo.svg" alt="GitHub"

<button class="nav--notifications"><img src=".

</nav>
<section class="hero wrapper" id="hero">

<!-- Headline -->
<h1 class="hero--headline o-heading-l hide-mediu
Mona Sans. A Variable Font
</h1>
<!-- Paragraph -->
<p class="hero--body">Mona Sans is a strong and

Terminal
Output
Problems
Debug Console
[09:43:36] Starting 'watch-extension:vscode-api-tests'...
[09:43:36] Finished 'clean-extension:typescript-language-featu
[09:43:36] Starting 'watch-extension:typescript-language-featu
[09:43:36] Finished 'clean-extension:php-language-features' af
[09:43:36] Starting 'watch-extension:php-language-features'...
[09:43:40] Finished 'clean-extension:html-language-features-se
[09:43:40] Starting 'watch-extension:html-language-features-se
[09:43:43] Finished 'clean-client' after 7.33 s
[09:43:43] Starting 'watch-client'...
Mona Sans.
A Variable Font
Mona Sans is a strong and versatile typeface. Designed
with Degarism and inspired by industrial-era grotesques