# **BEST PRACTICES** WORKSHOP ON OPEN INNOVATION

# Open Source Community Building



Hello! I'm Abby

Open Source Program Manager, GitHub

Past: Mozilla, Ontario Institute for Cancer Research



# **Sustainable Community Needs 2 Things** 2 Leadership Path to level up in the community **Sustained Participation** Newcomers to **First Contact** the community

Mountain of Engagement Framework, CC BY Mozilla

## Pathway to community leadership

Leadership

Networked Participation

Sustained Participation

**Participation** 

First Contact

# Discovery

Public Repository

Marketing

Open Source License

<u>First</u> Contact

Sustained Participation

## Leadership

Networked Participation

Particip

Participation

#### Public Repository Marketing Open Source

License

Owner *	Repository name *		
🗘 octocat -	/ hello-world	✓	
Great repository r	names are short and memoral	ole. Need inspiration? How about ubiquitous-system?	?
Description (option	onal)		
My first reposite	Dry		

Anyone on the internet can see this repository. You choose who can commit.

Private

You choose who can see and commit to this repository.

#### Initialize this repository with:

Skip this step if you're importing an existing repository.

#### Add a README file

This is where you can write a long description for your project. Learn more.

#### □ Add .gitignore

Choose which files not to track from a list of templates. Learn more.

#### Choose a license

A license tells others what they can and can't do with your code. Learn more.

This will set *P* main as the default branch. Change the default name in your settings.

#### **Create repository**

# **First Contact**



#### **Clear Mission**

Communication Channels **README** 

### README



No releases published

#### Clear Mission

#### Communication Channels

README

## **GitHub Discussions**

Search or jump to Pull reques	ts Issues Marketplace Explore	<b>₽</b> +• •
📮 tailwindlabs / tailwindcss	⊘ Watch +         518         ☆	Star 38.6k 8 Fork 1.8k
<> Code ① Issues 24 1 Pull requests 27	🛱 Discussions 📀 Actions 🕮 Projects 🖽 Wiki 🕧 Security 🗠 Insights 🕸 Settings	
Help Getting started with tailwind rauchg	Show and tell The official TailwindCSS Playground! adamwathan	Component
Q Search all discussions	New Top: All - Answered Unanswered Label -	New discussion
Categories ŵ	Inconsistent class names duplicate feature request     jentornell - 4h ago - Ideas	(1) 2
General	<ul> <li>Website development in Persian language v2</li> <li>mobin-ux - 6h ago - Help - Answered</li> </ul>	(12)
♀ Ideas ♥ Kind words	Highlight responsive classes in VSCode (responsive) duplicate (v2)     Filip1139 - 7h ago - Ideas	<b>(()</b>
Show and tell Most helpful Last 30 days	↑ 1 How to achieve the animation on tailwindcss official website animation the state of the s	€ 210
∩ namlq93	tailwind 2.0 purge not working support escalation v2     tan-ahmed · Yesterday · Help · Answered	<b>(())</b> 8
<ul><li>○ timneutkens</li><li>⊘ 20</li><li>○ Ifades</li><li>⊘ 13</li></ul>	A Having trouble adding fontawesome plugin duplicate support escalation	<b>(()</b>
iamesmosier 🖉 13	2 Iordisp · Dec 1, 2020 · Help · Unanswered	

# Participation

Personal Invitation Be Responsive Contributing Guidelines Code of Conduct Leadership Working in the public Networked **Participation Sustained Participation Participation First Contact** 

#### Personal Invitation

Be Responsive

Contributing Guidelines

Code of Conduct

Working in the public

## **Contributing Guidelines**

ssue:	<b>Bug</b> re	port									
create a re	eport to he	lp us improv	ve. If this doesn't loc	k right, choose a diffe	erent type.					Assignees No one—assign yours	Ø
<b>-</b>	Title									Labels	
	Write	Preview		AA B i	" ଦ ଦ	= 3	= ~=	0	M 4	None vet	>
	Leave a comment							It looks like this is your first time opening an issue in this project!			
										Be sure to revie contributing gu code of condu	uidelines and
	Attach fi	las bu dragai	ing 9 drapping colori	ing them, or pasting fro	om the cliphoar	4				Looking for he Check out the instructions for	project's







Be Responsive

Contributing Guidelines

**Code of Conduct** 

Working in the public

## Code of Conduct

🖰 octo-org	/ octo-repo	Private				⊙ Watch -	1	🚖 Star	0	¥ Fork	1
<> Code	() Issues 5	위 Pull requests 10	Projects 3	Wiki	Insights	🗘 Setting	s				
octo-repo	CODE_OF_C	CONDUCT. or cancel					Choo	se <mark>a cod</mark> e	of conc	luct temp	olate
<> Edit new	file 💿 Pre	eview				Spaces	¢	2 \$	No	wrap	\$

Add a code of conduct to your project



#### Personal Invitation

#### Be Responsive

Contributing Guidelines

Code of Conduct Working in the public

#### **Projects**

🗄 All work

🗄 Ready for review

🗄 All work 💌 🗄 Ready for review 🛄 Board + New view

Q	Title	Assignees	Status	Complexity	Target 1	+
<del>•</del> 1	វៀ Add Travis CI migration table	Q octocat	Ready for review $\bigcirc$ $\bullet$	2	Jun 15, 2021	
2	$\odot$ Using a package without installing package	😴 monalisa 🗸 🗸	Ready 🚀	3	Jun 15, 2021	
3	$\odot$ Add functionality to hide images	Ç octocat	In Progress 🗱	2	Jun 22, 2021	
4	11 Update contributing guide	<b>O</b> octocat	Ready for review 💭 👻	1	Jun 30, 2021	
5	$\odot$ Fix markdown tables in translated content	😴 monalisa 🗸 🗸	Ready 🚀	1	Jul 1, 2021	
6	$\odot$ add copy button to examples	Ç octocat	In Progress 🗱 👻	1	Jul 2, 2021	
7	⊙ Validate Java Gradle wrapper	~	Todo 👘	2	Jul 8, 2021	
8	⊙ GPC creation on linux	7	Todo 🛒	3	Jul 18, 2021	
9	$\odot$ Add domains for self-hosted runners		Todo 🛒	2	Aug 25, 2021	

🖽 Board 👻 🕂 New view

Todo 🗾 3	In Progress 🚧 2		Ready for review 💭 💈		Ready 🚀 💈
• test-org-repo #62 GPC creation on linux	• test-org-repo #63 add copy button to examples		រ៉ុំ) test-org-repo #59 Update contributing guide	0	<ul><li> test-org-re</li><li>Using a pack</li></ul>
⊙ test-org-repo #61 Add domains for self-hosted runners	<ul> <li>⊙ test-org-repo #41</li> <li>Add functionality to hide images</li> </ul>	0	្តី1 test-org-repo #56 Add Travis CI migration table	Ş	⊙ test-org-re Fix markdown

Personal Invitation

#### Be Responsive

Contributing Guidelines

Code of Conduct

Working in the public

## Pull requests

生 Sho	E Showing <b>1 changed file</b> with <b>3 additions</b> and <b>3 deletions</b> .					
~	6	README.md [] ····				
		@@ -1,3 +1,3 @@				
1		- # test-area-2				
2		- edit1				
3		- edit2				
	1	+ # About me				
	2	+				
	3	+ My name is Mona Lisa.				

# **Sustained Participation**





Recognition

Match Skill &

Interests

CI/CD

Testing

Connect to Mission Recognition

Connect to Mission

Match Skill & Interests

CI/CD

Testing

## **GitHub Actions**



- $\rightarrow$  Fully integrated with GitHub
- $\rightarrow$  Respond to any GitHub event
- $\rightarrow$  Community-powered workflows

 $\rightarrow$  Any platform, any language, any cloud

# **Networked Participation**

Formalize Mentorship

Professional Development

Hackathons and Socials

Leadership

Networked Participation

Sustained Participation

**Participation** 

First Contact



Professional Development

Hackathons and Socials

## **Code Review**



Formalize Mentorship

Professional Development

Hackathons and Socials

### Codespaces

Blazing fast cloud developer environments Full compute backing, up to 32 cores

and 64 GB RAM

< >	۵	mona-github-github-g59jpq2w5w7.github.dev
C,	EXPLORER	<pre>emotion.rb X {} devcontainer.json</pre>
_	∨ GITHUB	73 attr_reader :label
Q	$\sim$ .devcontainer	
<i>′</i>	build-devcontainer.sh	75 attr_reader :pronounceable_label
و٢	<pre>{} devcontainer.json</pre>	
08	on-create-command.sh	77 # Public: Get the Emoji that this reaction's content represents.
	post-attach-command.sh	
₿ C	setup-devcontainer.sh	79 # Returns an Emoji.
₿	≡ ssrh	80 attr_reader :emoji_character 81
田	≡ welcome_message.txt	82 <b>def</b> initialize(content:, label: nil, pronounceable_label: nil, emoj
	> .github	83 @content = content
	> .vscode	84 @label = label    @content
	∽ app	85 @pronounceable_label = pronounceable_label    @label
	> api	86 @emoji_character = emoji_character    Emoji.find_by_alias(@conten
	> assets	<pre>87</pre>

# Leadership

Invitation Clear Governance

Personal

Value Exchange

Leadership

Networked Participation

Sustained Participation

**Participation** 

**First Contact** 

#### Personal Invitation

#### Clear Governance

Value Exchange

## **Minimum Viable Governance**





Clear Governance

Value Exchange

## **Inclusive Leadership Cycle**



https://github.com/mozilla/diversity/blob/master/evaluation tools/governance-basic.md

# **Open source practices to level up community**

		Personal	Recognition	Formalize	Invitation
		Invitation	Connect to	Mentorship	Clear
		Be Responsive	Mission	Professional Development	Governance
		Contributing Guidelines	Match Skill & Interests	Hackathons and	Value Exchange
	Clear Mission	Code of Conduct	CI/CD	Socials	
	Communication	Public Issues	Testing		Leadership
Public	Channels	and Pull Requests		Networked	
Repository	README	Requests		Participation	
Marketing			Sustained		
Open Source License		Participation	Participation		
	First Contact				
Discovery					

Personal

# Thank You!

## QUESTIONS OR COMMENTS?

Abigail Cabunoc Mayes , @abbycabs · ♥ @abbycabs

