HOW TO FIND "GOOD FIRST ISSUES"

Quipper Limited

@ohbarye at Roppongi.js#4

IF YOU:

- want to contribute OSS
- are struggling to find a repository or an issue to contribute
- (would rather you preferred major OSS ©)

This talk would be helpful to you.

CONTENT

A tip to find "Good First Issues" with a script to make an issue list.

- This talk focuses on just a way to find them.
- See OSS貢献超入門 if you want to know next steps.

ISSUE LIST

First of all, see the "good first issue" list.

	Α	В	С	D	E
1	owner	name	stars	title	url
2	vuejs	vue	103892	warn if \$set is used on a property that already exist	https://github.com/vuejs/vue/issues/8129
3	vuejs	vue	103892	Creating a component named map should warn the user (as with button)	https://github.com/vuejs/vue/issues/8025
4	vuejs	vue	103892	Make the warning messages more explicit	https://github.com/vuejs/vue/issues/7764
5	vuejs	vue	103892	2.5.14 introduces TypeError bind is not a function	https://github.com/vuejs/vue/issues/8017
6	facebook	react	103700	Nicer Formatting of SSR Validation	https://github.com/facebook/react/issues/10085
7	facebook	react	103700	Ignore <noscript> content on the client and don't warn about mismatches</noscript>	https://github.com/facebook/react/issues/11423
8	facebook	react	103700	Children of option tags flattened when select has value	https://github.com/facebook/react/issues/11602
9	facebook	react	103700	False positive getDefaultProps warning when mixing development and production versions	https://github.com/facebook/react/issues/9999
10	nodejs	node	50510	Inconsistent documentation: hostname vs host	https://github.com/nodejs/node/issues/20892
11	nodejs	node	50510	Debugging: name every function	https://github.com/nodejs/node/issues/8913
12	nodejs	node	50510	dns.js not properly iterating through DNS array	https://github.com/nodejs/node/issues/21391

WHAT IS "GOOD FIRST ISSUE"?

Apply the help wanted and good first issue labels to issues in your repository to highlight opportunities for people to contribute to your project.

https://help.github.com/articles/helping-new-contributors-find-your-project-with-labels/

HOW TO MAKE THE LIST

To make it, I wrote a simple script in https://github.com/ohbarye/goofi.

- 1. Call GitHub GraphQL API
- 2. Format its response
- 3. Create CSV

GraphQL Query

```
GraphiQL
                       Prettify
                                 History
      search(first: 100, query: "language:javascript good-first-issues:>1 stars:>500", type: REPOSITORY) {
 2 -
 3
        repositoryCount
        pageInfo {
 4 -
          startCursor
 5
 6
          endCursor
 7
          hasNextPage
 8
 9 -
        nodes {
10 -
          ... on Repository {
11
            owner {
12
              login
13
            }
14
            name
15
            url
            issues(first: 100, labels: ["good first issue"], states: OPEN, orderBy: {field: UPDATED_AT, direction: DESC}) {
16 -
17
              totalCount
18
              nodes {
19
                title
20
                url
21
22
23
            stargazers {
24
              totalCount
25
26
          }.
27
28
```

"good-first-issues:>1"

ref: GitHub help

"stars:>500"

```
search(first: 100,
    query: "language:javascript good-first-issues:>1 stars:>500,
    type: REPOSITORY) {
```

ref: GitHub help

Once we can easily get data via the GitHub API, it's not a hard task to format the data.

```
writeIssues(repository) {
  const owner = repository.owner.login;
  const name = repository.name;
  const stars = repository.stargazers.totalCount;
  repository.issues.nodes.forEach((issue) => {
    const title = issue.title;
    const url = issue.url:
    this.writer.write({owner, name, stars, title, url});
  });
```

Now that we have the candidate list, all we have to do is check issues one by one.

	А	В	С	D	E
1	owner	name	stars	title	url
2	vuejs	vue	103892	warn if \$set is used on a property that already exist	https://github.com/vuejs/vue/issues/8129
3	vuejs	vue	103892	Creating a component named map should warn the user (as with button)	https://github.com/vuejs/vue/issues/8025
4	vuejs	vue	103892	Make the warning messages more explicit	https://github.com/vuejs/vue/issues/7764
5	vuejs	vue	103892	2.5.14 introduces TypeError bind is not a function	https://github.com/vuejs/vue/issues/8017
6	facebook	react	103700	Nicer Formatting of SSR Validation	https://github.com/facebook/react/issues/10085
7	facebook	react	103700	Ignore <noscript> content on the client and don't warn about mismatches</noscript>	https://github.com/facebook/react/issues/11423
8	facebook	react	103700	Children of option tags flattened when select has value	https://github.com/facebook/react/issues/11602
9	facebook	react	103700	False positive getDefaultProps warning when mixing development and production versions	https://github.com/facebook/react/issues/9999
10	nodejs	node	50510	Inconsistent documentation: hostname vs host	https://github.com/nodejs/node/issues/20892
11	nodejs	node	50510	Debugging: name every function	https://github.com/nodejs/node/issues/8913
12	nodejs	node	50510	dns.js not properly iterating through DNS array	https://github.com/nodejs/node/issues/21391

ANOTHER WAY

Use Jasper



A flexible and powerful issue reader for GitHub

Download App

30-day Free Trial for Mac

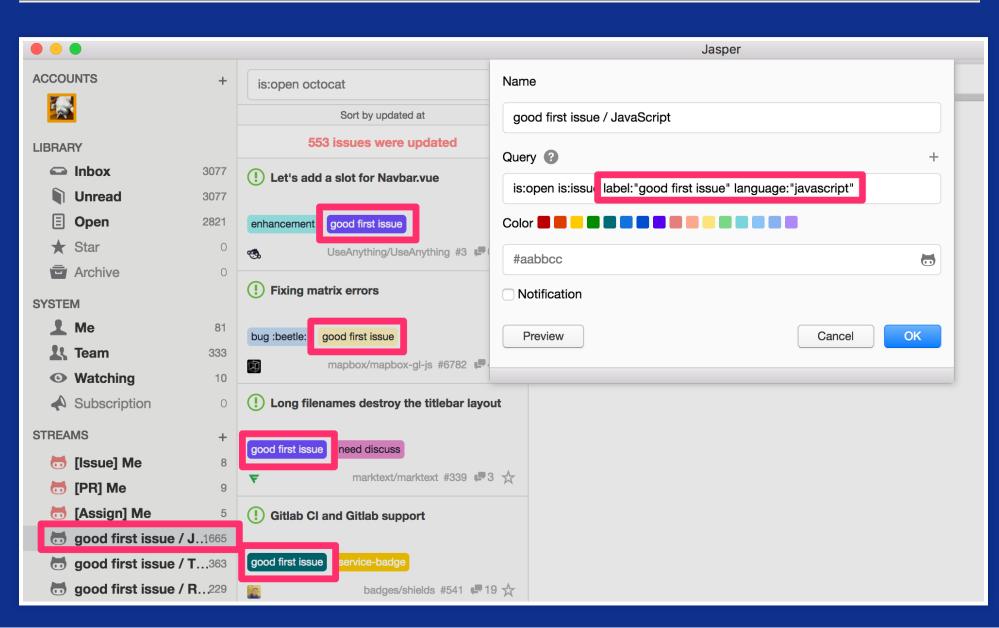
Other Downloads / Beta Downloads

Buy License \$12

Mac / Windows / Linux

Important notice for old app

Create a stream to find "good first issues"



NOTE

I used to find issues with this way, but...

- It cannot sort repositories by stars count
- It cannot reject wrong usage of "good first issue"
- It notifies me every when an issue is updated

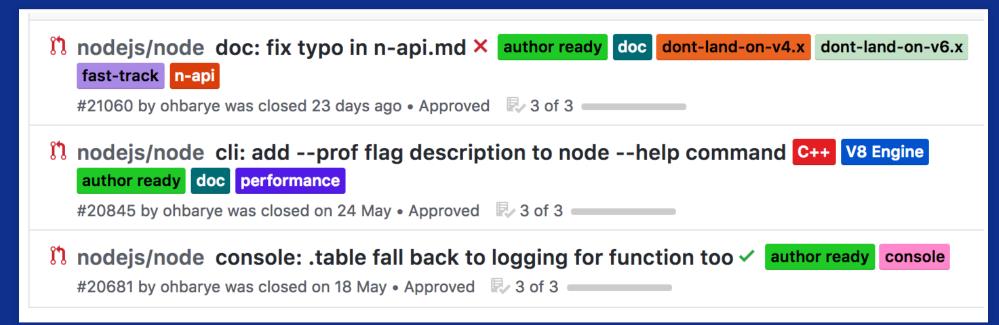
In short, that was too noisy.

ARE THEY REALLY NICE WAYS?



At least, I could have contributed some popular repositories even though I was not familiar with them.

e.g. Node.js



LET'S FIND YOUR "GOOD FIRST ISSUES" AND CONTRIBUTE!

WHO?



- @ohbarye http://ohbarye.me/
- Web Developer / Engineering Manager
 Working for Quipper

7/19 (THU) 19:30-22:00

https://techplay.jp/event/680406

