

# HOW TO FIND "GOOD FIRST ISSUES"

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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貢獻超入門](#) if you want to know next steps.

# ISSUE LIST

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

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

# 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>.

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

# GraphQL Query

GraphiQL



Prettify

History

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



# "good-first-issues:>1"

---

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

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.

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# ANOTHER WAY

Use Jasper



## 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"

The screenshot displays the GitHub web interface with a sidebar on the left and a main content area. The sidebar includes sections for ACCOUNTS, LIBRARY (Inbox, Unread, Open, Star, Archive), SYSTEM (Me, Team, Watching, Subscription), and STREAMS. The STREAMS section shows a list of streams, with the first one, "good first issue / J..1665", highlighted with a red box. The main content area shows a list of issues, with several labels like "good first issue" highlighted with red boxes. A modal window titled "Jasper" is open on the right, showing the configuration for a new stream. The modal includes fields for Name, Query, Color, and Notification, with the Query field containing the text "is:open is:issue label:'good first issue' language:'javascript'".

**ACCOUNTS** +

**LIBRARY**

- Inbox 3077
- Unread 3077
- Open 2821
- Star 0
- Archive 0

**SYSTEM**

- Me 81
- Team 333
- Watching 10
- Subscription 0

**STREAMS** +

- [Issue] Me 8
- [PR] Me 9
- [Assign] Me 5
- good first issue / J..1665**
- good first issue / T...363
- good first issue / R...229

**Issues List:**

- is:open octocat
- Sort by updated at
- 553 issues were updated
- Let's add a slot for Navbar.vue (enhancement) **good first issue** UseAnything/UseAnything #3
- Fixing matrix errors (bug:beetle: **good first issue**) mapbox/mapbox-gl-js #6782
- Long filenames destroy the titlebar layout
- need discuss (good first issue) marktext/marktext #339
- Gitlab CI and Gitlab support
- service-badge (good first issue) badges/shields #541

**Jasper Modal:**

- Name: good first issue / JavaScript
- Query: is:open is:issue label:"good first issue" language:"javascript"
- Color: #aabbcc
- Notification: ☐
- Buttons: Preview, Cancel, OK

# 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.

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e.g. Node.js

 **nodejs/node** doc: fix typo in n-api.md ✖ **author ready** **doc** **dont-land-on-v4.x** **dont-land-on-v6.x**  
**fast-track** **n-api**

#21060 by ohbarye was closed 23 days ago • Approved  3 of 3 

 **nodejs/node** cli: add --prof flag description to node --help command **C++** **V8 Engine**  
**author ready** **doc** **performance**

#20845 by ohbarye was closed on 24 May • Approved  3 of 3 

 **nodejs/node** console: .table fall back to logging for function too ✔ **author ready** **console**

#20681 by ohbarye was closed on 18 May • Approved  3 of 3 

**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>

# スタディサプリ

Product Meetup #1

