

Issue Tracker

Issue Tracker

- 주로 소프트웨어 개발 업계에서 사용하는 도구.
- 작게는 제품의 기능 추가 혹은 버그 관리부터 프로젝트관리까지 다양한 기능을 제공한다.
- 흔히 웹 기반의 인터페이스를 제공한다.



Issue 란?

- 버그, 기능 구현 등을 포함한 업무의 단위.
- 이슈는 담당자 한사람이 맡아서 해결할 수 있는 구체적인 것으로 하는 것이 좋다.

모든 버그를 고친다.

관리자를 대체할 인공지능을 만든다.

VS

아무개 문서의 아무개 문법 랜더링 이슈를 고친다.



Issue 란?

- 이슈는 다양한 추가 정보를 가진다.
- 이 정보들을 다양한 주체가 업데이트 하면서 이슈들을 관리하는 것이 issue tracker 의 주된 기능이다.
- 어떤 정보들이 있는지는 issue tracker 의 종류에 따라 차이가 있다.
 - ✓ 담당자 : issue 를 해결할 사람
 - ✓ 우선순위 : issue 의 우선순위. 담당자는 우선순위가 높은 issue 부터 해결하는 것이 원칙
 - ✓ 마감일 : issue 가 반드시 이 날짜까지는 해결되어야 하는 경우
 - ✓ 상태 : 기본적으로 열림/닫힘으로 구분하고 그 외 세부적인 상태 (작업 시작, 고쳐짐, 재현 불가 등)를 가지고 있기도 한다. 열린이슈는 분석, 검토, 해결이 끝나지 않은 이슈, 닫힌 이슈는 해결되었거나 모종의 이유로 더 이상 검토할 필요가 없는 이유이다.



Issue tracker의 특징 및 사용흐름

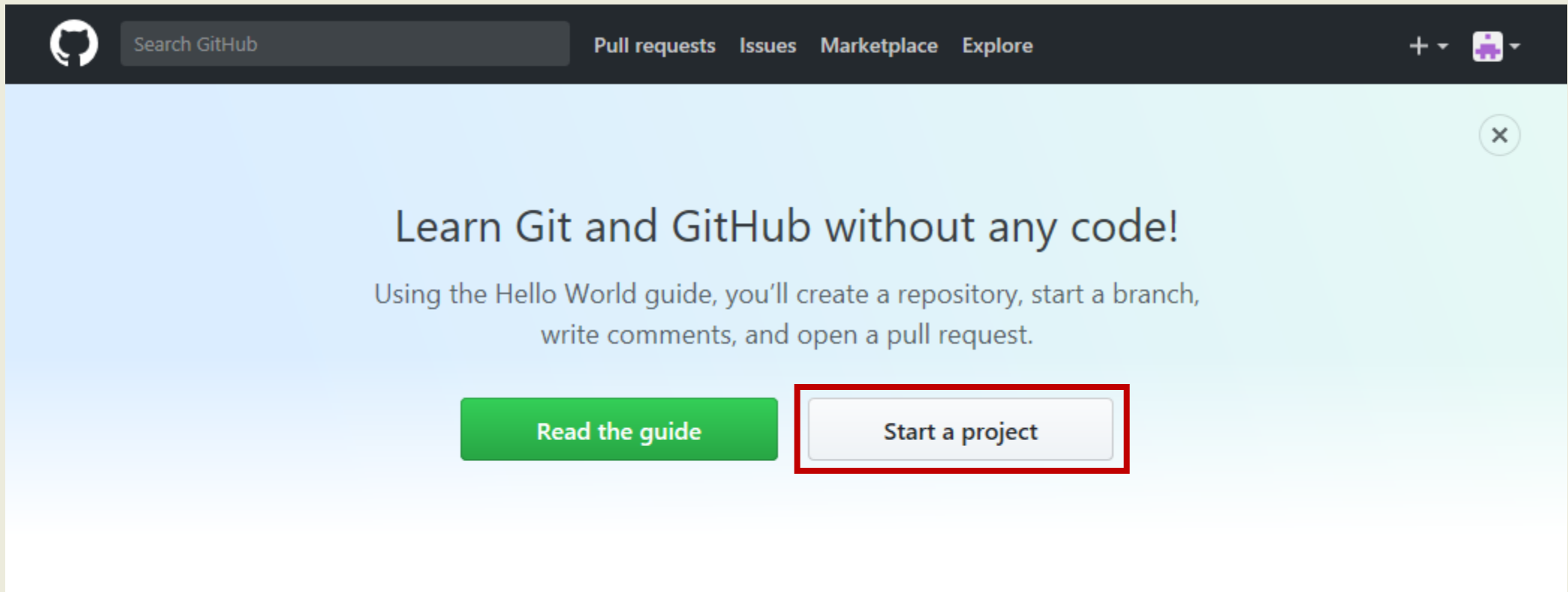
• 특징

- ✓ 변경 이력이 다 남는다. 제 때 완료하지 못한 이슈에 대해 지워버리거나 축소/은폐하기 어렵다.
- ✓ 이슈의 추가 정보로 필터링해서 깔끔하게 볼 수 있다. 내가 담당자인 이슈, 오랫동안 처리되지 않은 이슈 등을 필터링해서 볼 수 있기에 프로젝트 진행 상황을 파악하기 쉽다.

• 사용흐름

- ✓ **이슈 등록** : 사용자 혹은 품질관리팀이 발견한 버그 혹은 신규 기능을 추가한다. 담당자가 명확한 경우 지정하기도 하나 공란으로 남겨두는 일도 흔하다.
- ✓ **이슈 검토/분류** : 등록된 이슈는 개발팀이 검토한다. 중복, 재현 불가, 해결 불가능한 이슈의 경우 이 단계에서 이슈를 닫는다.
- ✓ **이슈 해결** : 이슈가 해결되면 이슈를 닫는다. 담당자와 별개로 검증 담당자를 따로 두어 진짜로 이슈가 해결되었는지 검증하는 경우도 있다.

Github.com




Repository 생성

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

 zoro0rkd ▾

Repository name

/ collabo ✓

Great repository names are short and memorable. Need inspiration? How about [expert-engine](#).

Description (optional)



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

☐ Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

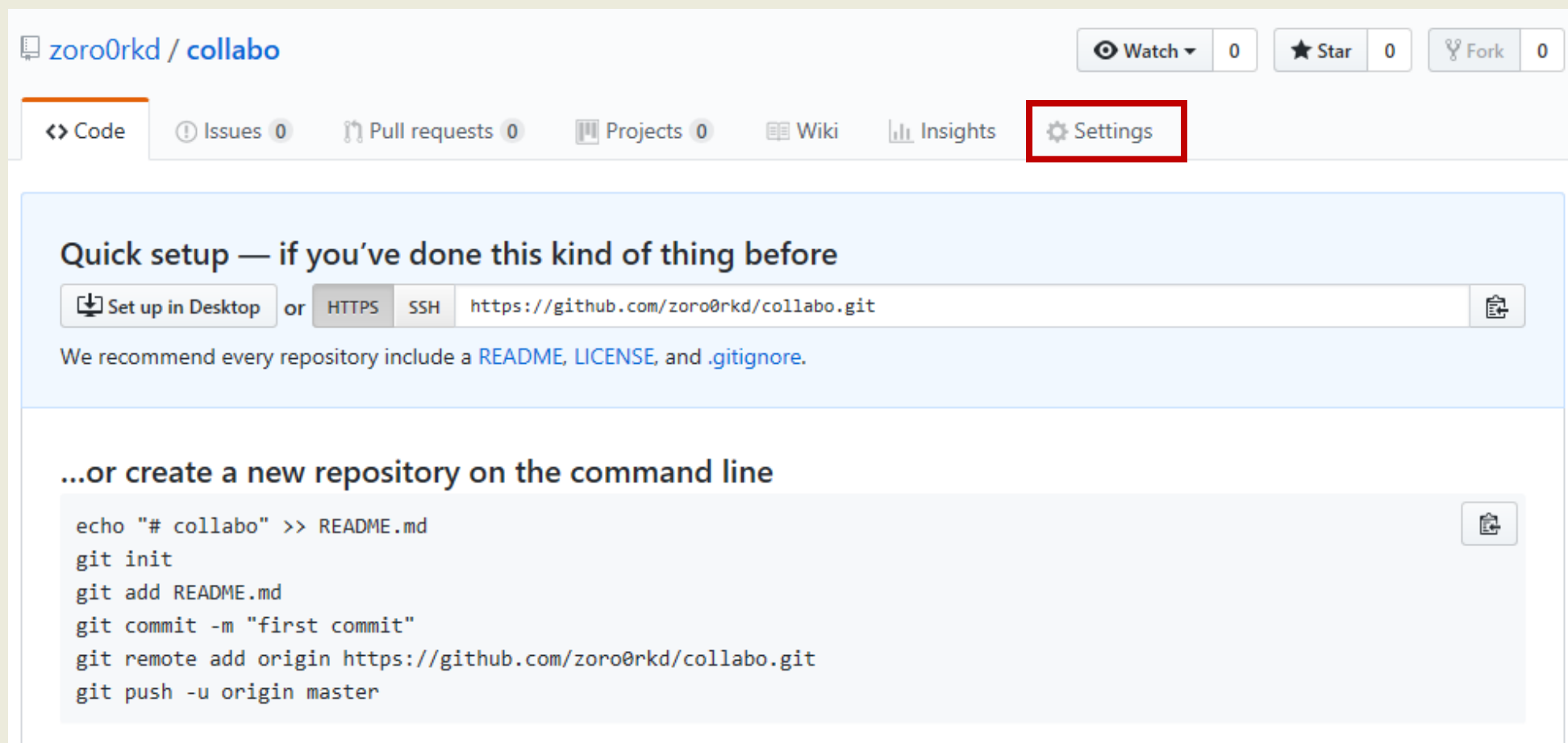
Add .gitignore: None ▾

Add a license: None ▾



Create repository

Collaborator 추가





zoro0rkd / collabo

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights **Settings**


Quick setup — if you've done this kind of thing before

 Set up in Desktop or **HTTPS** **SSH** `https://github.com/zoro0rkd/collabo.git` 

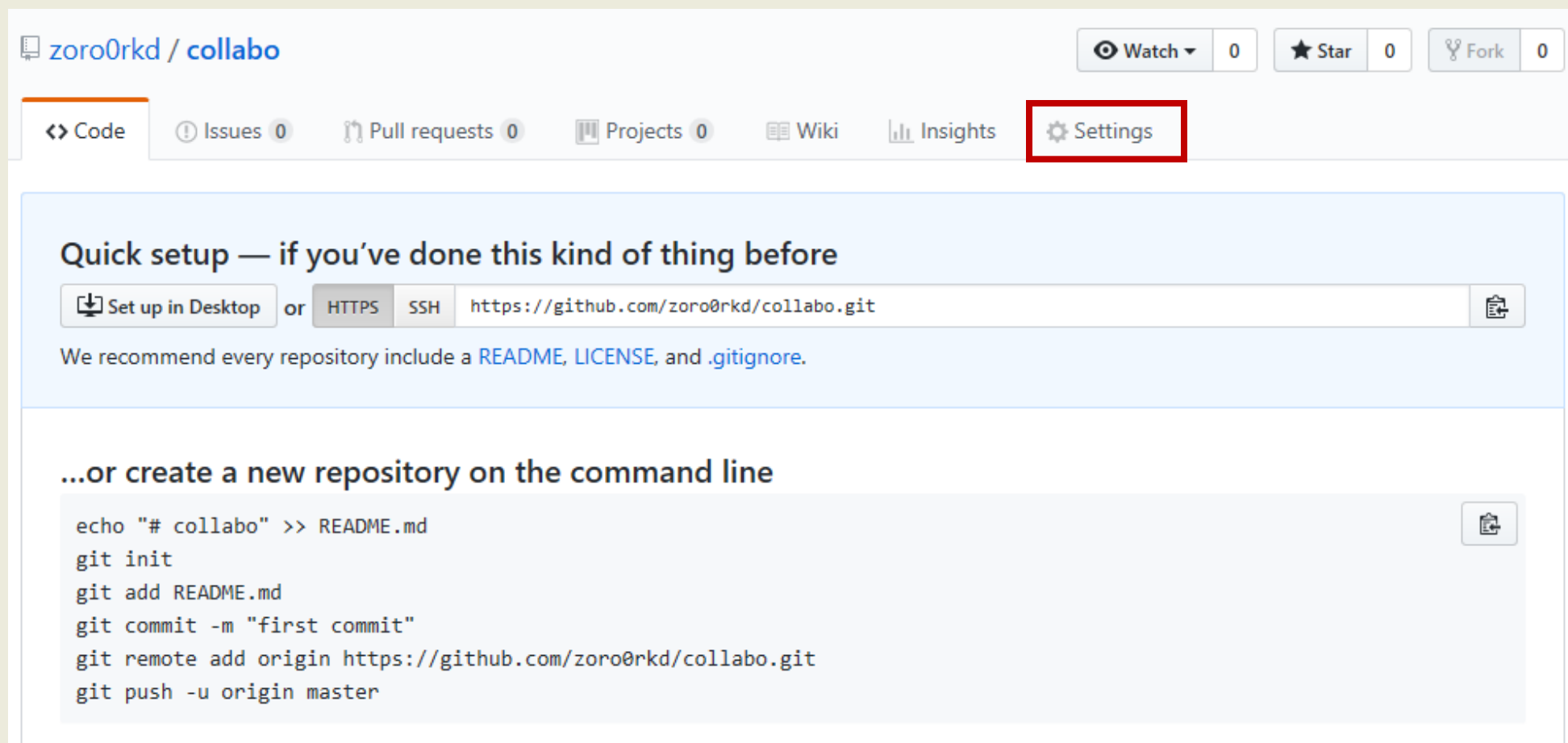
We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# collabo" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/zoro0rkd/collabo.git
git push -u origin master
```



Collaborator 추가





zoro0rkd / collabo

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Quick setup — if you've done this kind of thing before

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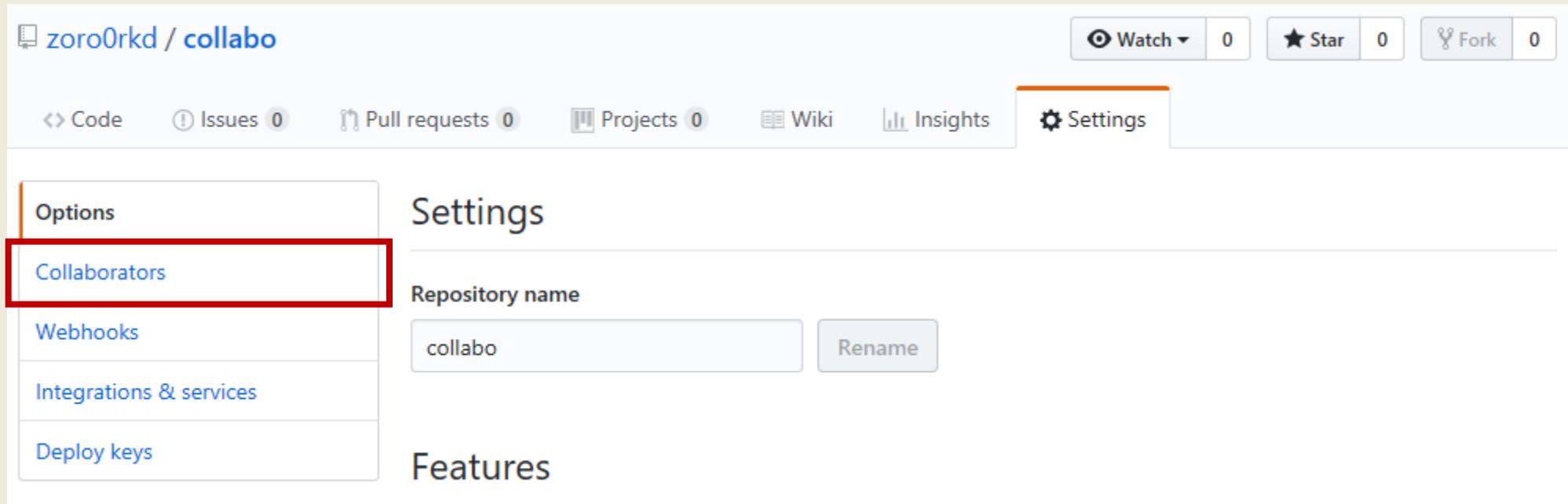
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git add README.md
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git push -u origin master
```



Collaborator 추가



Collaborator 추가

zoro0rkd / collabo

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Options

Collaborators

Webhooks

Integrations & services

Deploy keys

Collaborators Push access to the repository

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address


You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

kai1945 ×

Add collaborator

kai1945

Collaborator 추가

 zoro0rkd / collabo

👁 Watch 0

★ Star 0

🍴 Fork 0

<> Code

🔔 Issues 0

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

📊 Insights

⚙ Settings

Options

Collaborators


Webhooks

Integrations & services

Deploy keys

Collaborators

Push access to the repository

 Awaiting kai1945's response

Copy invite link ▼

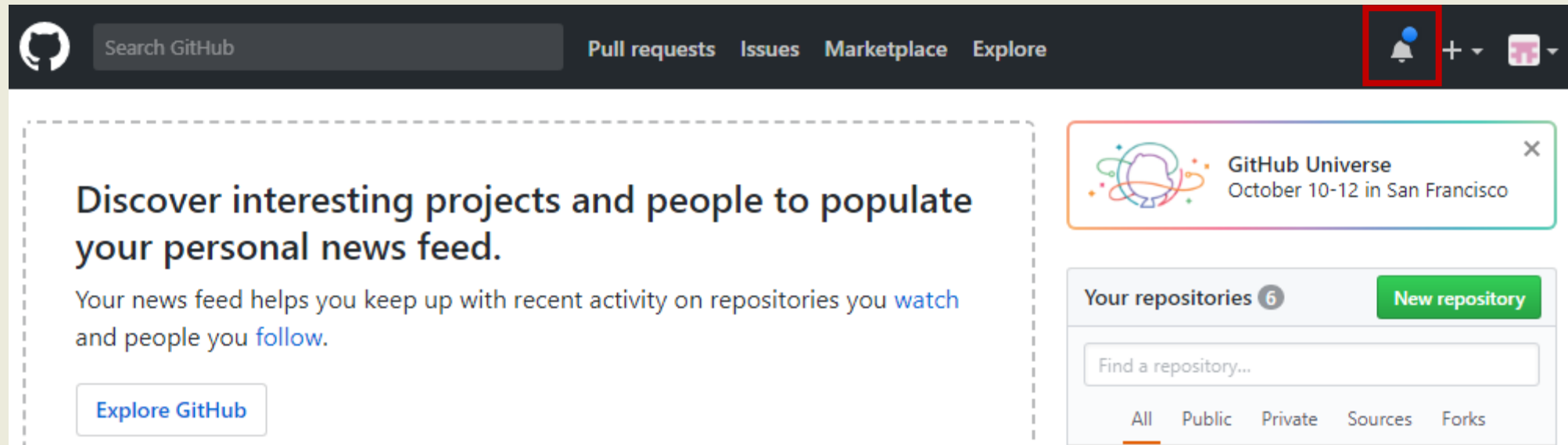
Cancel invite

Search by username, full name or email address

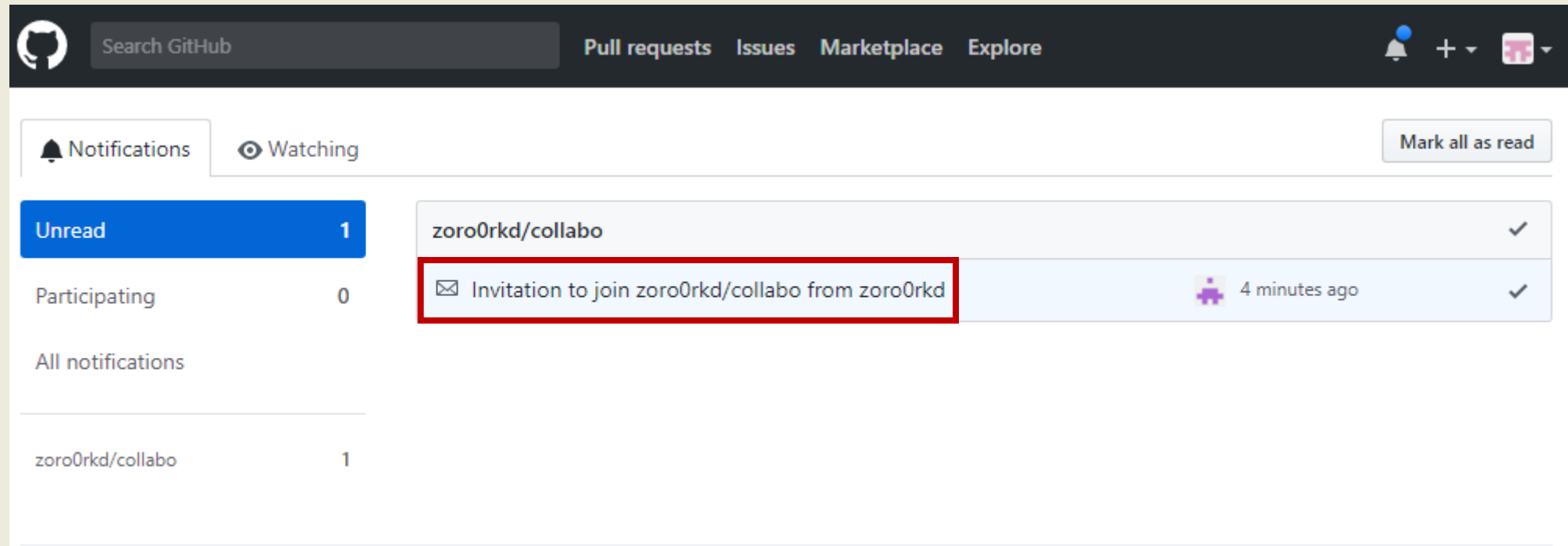
You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

Add collaborator

Collaborator 승인



Collaborator 승인



The screenshot shows the GitHub Notifications interface. At the top, there's a dark navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. On the right of the navigation bar are icons for notifications, a plus sign, and a profile picture. Below the navigation bar, the Notifications section is active, with tabs for Notifications and Watching. A 'Mark all as read' button is in the top right. On the left, a sidebar lists notification categories: Unread (1), Participating (0), and All notifications. Below this, a list shows 'zoro0rkd/collabo' with a count of 1. The main content area displays a notification for 'zoro0rkd/collabo'. The notification text 'Invitation to join zoro0rkd/collabo from zoro0rkd' is highlighted with a red box. To the right of the text is a user icon and the time '4 minutes ago'. A checkmark is in the top right corner of the notification card.

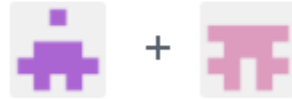
Category	Count
Unread	1
Participating	0
All notifications	

Repository	Count
zoro0rkd/collabo	1

Notification	Time	Action
zoro0rkd/collabo		✓
✉ Invitation to join zoro0rkd/collabo from zoro0rkd	4 minutes ago	✓

Collaborator 승인

 zoro0rkd / collabo



zoro0rkd invited you to collaborate

Accept invitation

Decline

Is this user sending spam or malicious content? You can [block @zoro0rkd](#).

Collaborator 승인완료

zoro0rkd / collabo

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Quick setup — if you've done this kind of thing before

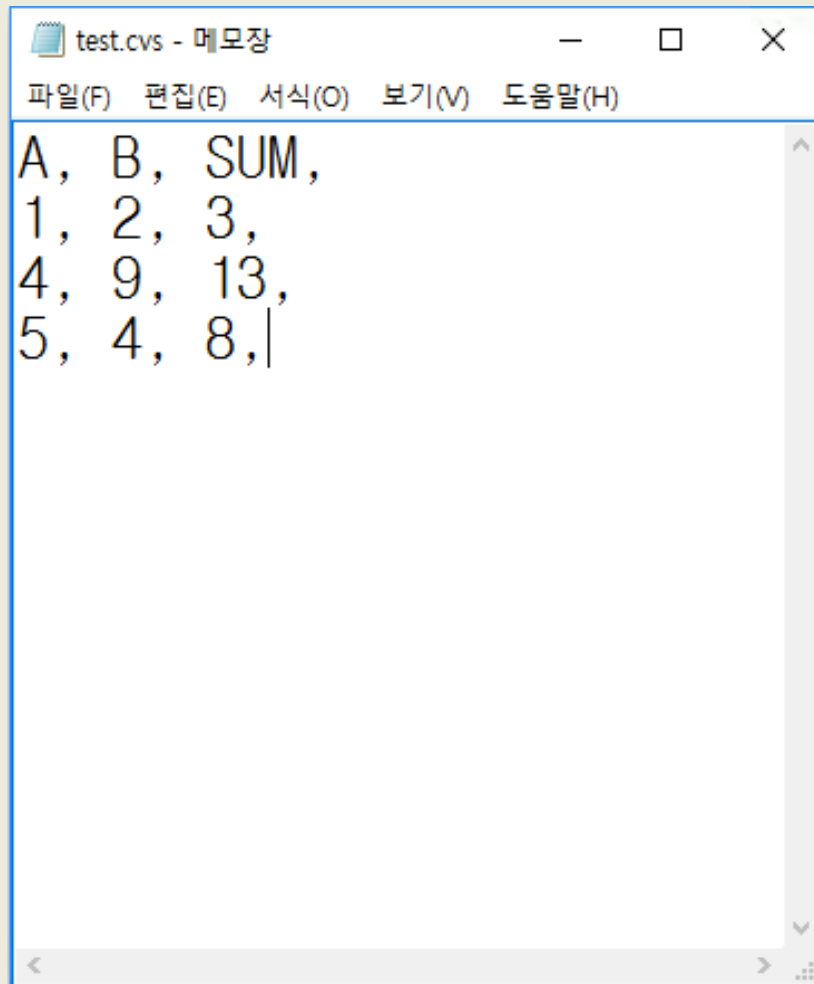
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git add README.md
git commit -m "first commit"
git remote add origin https://github.com/zoro0rkd/collabo.git
git push -u origin master
```


Create CVS file



```
test.cvs - 메모장
파일(F)  편집(E)  서식(O)  보기(V)  도움말(H)
A, B, SUM,
1, 2, 3,
4, 9, 13,
5, 4, 8,|
```

파일 선택

 **zoro0rkd / collabo**

<> Code

! Issues 0

🔗 Pull requests 0

📁 Projects 0

📄 W


No description, website, or topics provided.





[Add topics](#)

🕒 8 commits

🔗 3 branches

Branch: master ▾ New pull request

 **zoro0rkd** Update test.cvs

 README.md	2 commit
 first.txt	add txt
 second.txt	add txt
 test.cvs	Update test.cvs

Open new issue

The screenshot shows the GitHub interface for the repository 'zoro0rkd / collabo'. At the top, there are tabs for 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), and 'Wiki'. Below the tabs, the current branch is 'master' and the file being viewed is 'collabo / test.cvs'. A commit by 'zoro0rkd' is shown, updating 'test.cvs'. The file details indicate it has 5 lines (4 sloc) and is 39 Bytes. The content of the file is as follows:

```
1 A, B, SUM,  
2 1, 2, 3,  
3 4, 9, 13,  
4 5, 4, 8,
```

A context menu is open over line 4, providing the following options:

- Copy line
- Copy permalink
- View git blame
- Open new issue**

At the bottom of the page, there are links for 'Terms', 'Privacy', 'Security', 'Status', and 'Help', along with the GitHub logo.

Open new issue

zoro0rkd / collabo

Watch 1

Star 0

Fork 0

<> Code

Issues 0


Pull requests 0

Projects 0

Wiki

Insights

Settings



댓글이 틀림

Write

Preview

AA ▾ B i “ <> 🔗 ☰ ☷ ☹

↶ @ 📌

https://github.com/zoro0rkd/collabo/blob/46d62f950355fa12bad1404709b879e4107aea3c/test.cvs#L4


댓글이 틀림

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

M Styling with Markdown is supported

Submit new issue

Assignees

 kai1945

Labels

bug


Projects

None yet

Milestone

No milestone

Issue Page

 zoro0rkd / collabo

Unwatch 1

Star 0

Fork 0

<> Code

Issues 1

Pull requests 0

Projects 0


Wiki

Insights

Label issues and pull requests for new contributors

Dismiss

Now, GitHub will help potential first-time contributors discover issues labeled with **help wanted** or **good first issue**

Filters  is:issue is:open

Labels

Milestones

New issue

☐ **1 Open** ✓ 0 Closed

Author ▾


Labels ▾

Projects ▾


Milestones ▾

Assignee ▾


Sort ▾

☐  **덧셈이 틀림** **bug**

#1 opened 38 seconds ago by zoro0rkd



Edit file

 **zoro0rkd** / **collabo**

Unwatch 1

★ Star 0

🍴 Fork 0

<> Code

! Issues 1

🔗 Pull requests 0


📁 Projects 0

📖 Wiki

📊 Insights

Branch: master ▾ **collabo** / **test.cvs**

Find fileCopy path

 **zoro0rkd** Update test.cvs 46d62f9 9 minutes ago

1 contributor

5 lines (4 sloc) | 39 Bytes

RawBlameHistory🖨️📝🗑️

1

A, B, SUM,

2

1, 2, 3,

3

4, 9, 13,

4

5, 4, 8,

Issue 수정

<> Edit file

Preview changes

Spaces ▾

2 ▾

No wrap ▾


1 A, B, SUM,

2 1, 2, 3,

3 4, 9, 13,

4 5, 4, 9,

5



Commit changes

Update test.cvs

#1 수정 완료

☒ Commit directly to the `master` branch.

☐ Create a **new branch** for this commit and start a pull request. [Learn more about pull requests.](#)


Commit changes

Cancel

Issue closed

덧셈이 틀림 #1

🔔 Open zoro0rkd opened this issue 6 minutes ago · 0 comments



zoro0rkd commented 6 minutes ago

Owner + 🗨️ ✎️

collabo/test.cvs

Line 4 in 46d62f9

4	5, 4, 8,
---	----------

덧셈이 틀림


🏷️ zoro0rkd added the **bug** label 6 minutes ago

👤 zoro0rkd assigned kai1945 6 minutes ago

📖 kai1945 added a commit that referenced this issue just now

🔄 Update test.cvs ...

Verified 4b2b732



Write Preview

AA ▾ B i “ < > ↺ ☰ ☷ ☹️ ↶ @ 📎

수정완료

Attach files by dragging & dropping or [selecting them](#).

📄 Styling with Markdown is supported

Close and comment

Comment

Issue Tracker

Thank you