

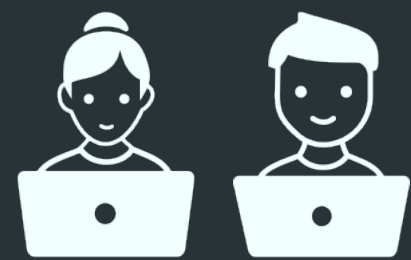


kokchun giang & feliz fernadu

working with **git** and **github** in a software team

create a **repository** in github

work in pairs of
2 people



1 person creates a
repository on github



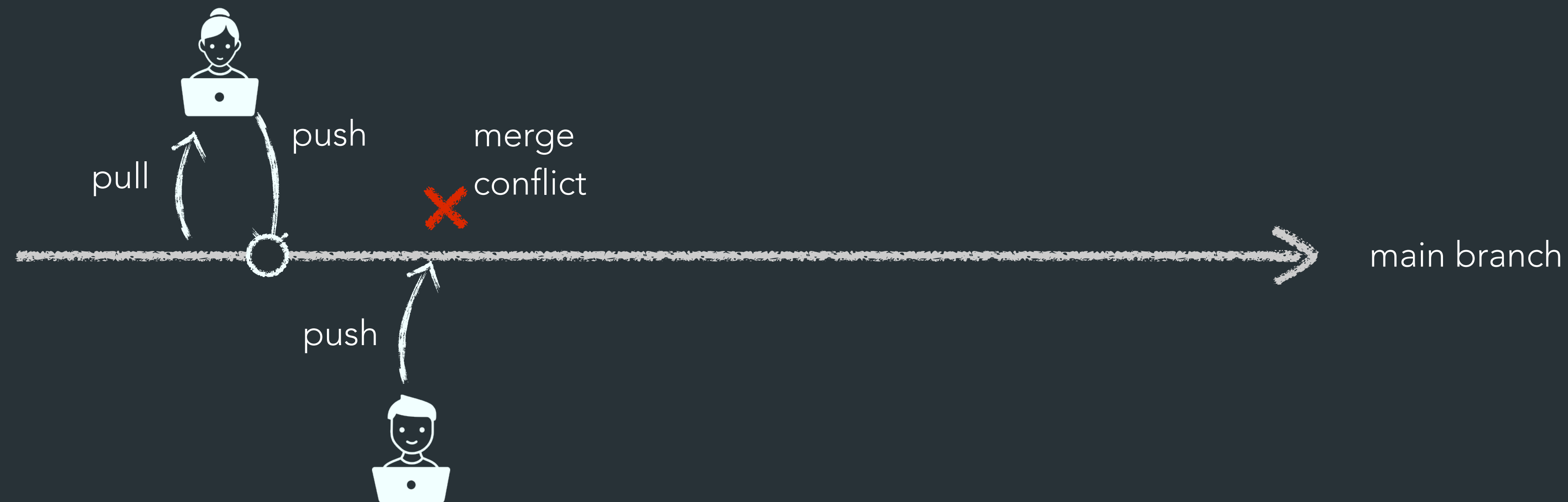
invite the
other person



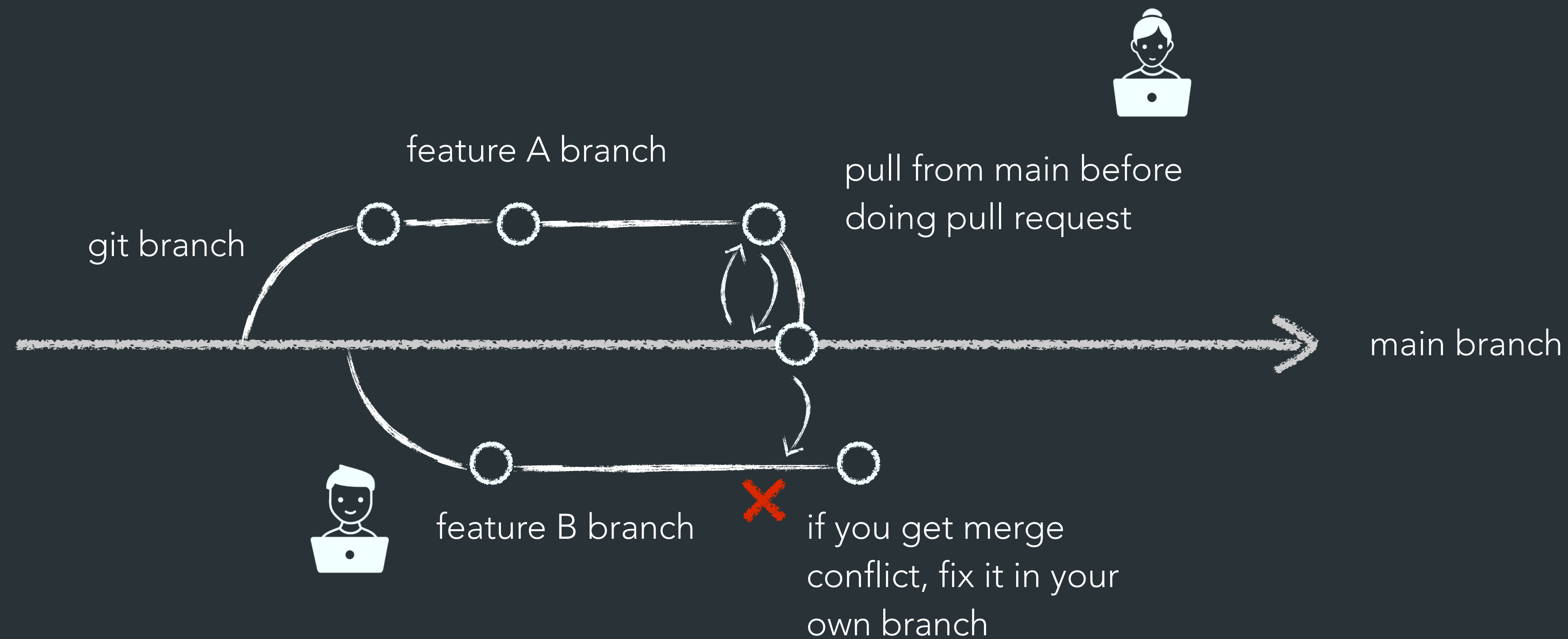
both clones the
repository



how **not** to do - pushing to main directly



do pull request to main and have code reviews



create a **branch** and work on your feature there

git branch

```
* another_branch
  kokchun_branch
  main
```

lists the existing local branches

git checkout -b <branch_name>

creates a new branch and jump to that branch

git checkout <branch_name>

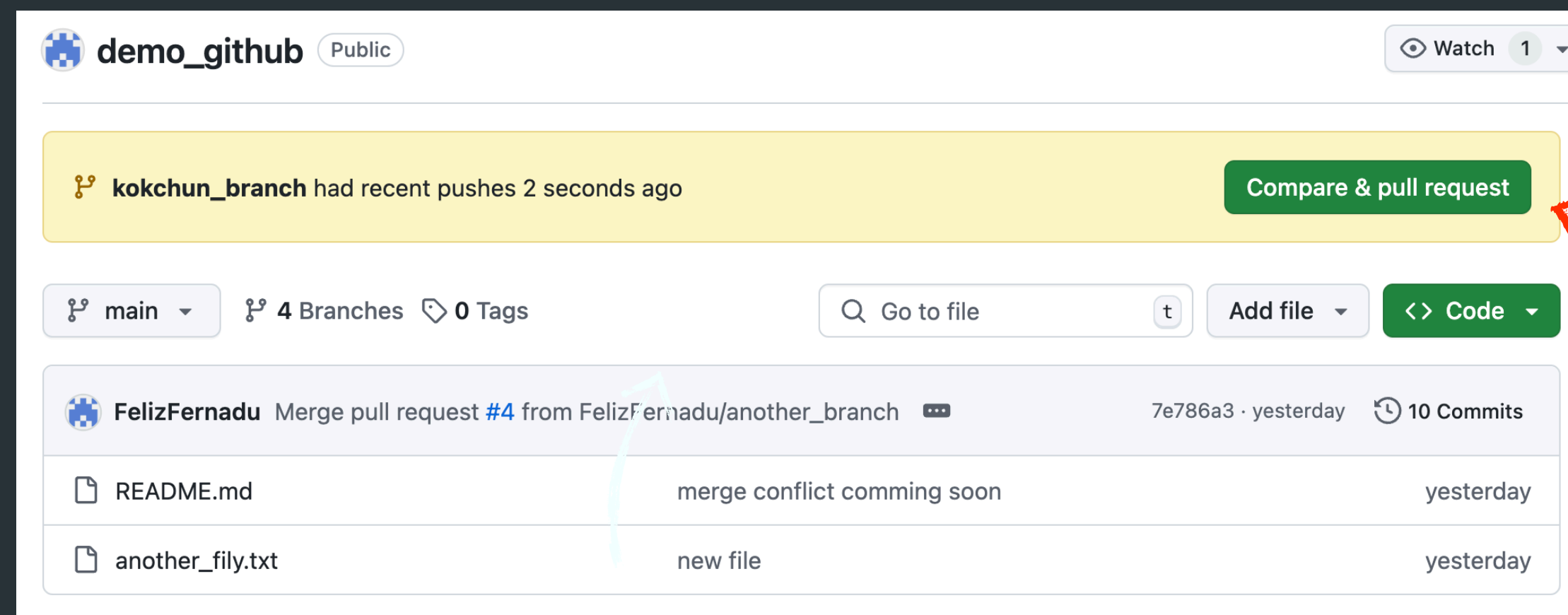
jumps to that branch

git push origin <branch_name>

to push changes to that branch


use **pull request** to merge changes into main

`git push origin <branch_name>`



click here

use **pull request** to merge changes into main

**Add a title**

file to pull request

Add a description

WritePreview


HBI<>LinkListTableCode


This is a supah cool feature, let me pull request into main

Markdown is supportedPaste, drop, or click to add files


Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).



**Review required**

At least 1 approving review is required by reviewers with write access. [Learn more](#)

**Merging is blocked**

Merging can be performed automatically with 1 approving review.

Merge pull request

You can also [open this in GitHub Desktop](#) or view

setup rule to have at least one reviewer to accept a pull request

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Branch protection rule

Branch name pattern *

main

Protect matching branches

☒ **Require a pull request before merging**

When enabled, all commits must be made to a non-protected branch and submitted via a pull request before they can be merged into a branch that matches this rule.

☒ **Require approvals**

When enabled, pull requests targeting a matching branch require a number of approvals and no changes requested before they can be merged.

Required number of approvals before merging: 1

reviewer can comment, request changes or approve
pull request

+2 -0

0 / 2 files viewed

Review in codespace

Review changes

Finish your review

Write

Preview

H

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looks good this feature

📄 Markdown is supported

📁 Paste, drop, or click to add files

☐ Comment

Submit general feedback without explicit approval.


☒ Approve

Submit feedback and approve merging these changes.

☐ Request changes

Submit feedback that must be addressed before merging.

Submit review




✓ **Changes approved**

1 approving review by reviewers with write access. [Learn more about pull request reviews.](#)

Show all reviewers

✓ 1 approval

▼



Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

✓ **This branch has no conflicts with the base branch**

Merging can be performed automatically.

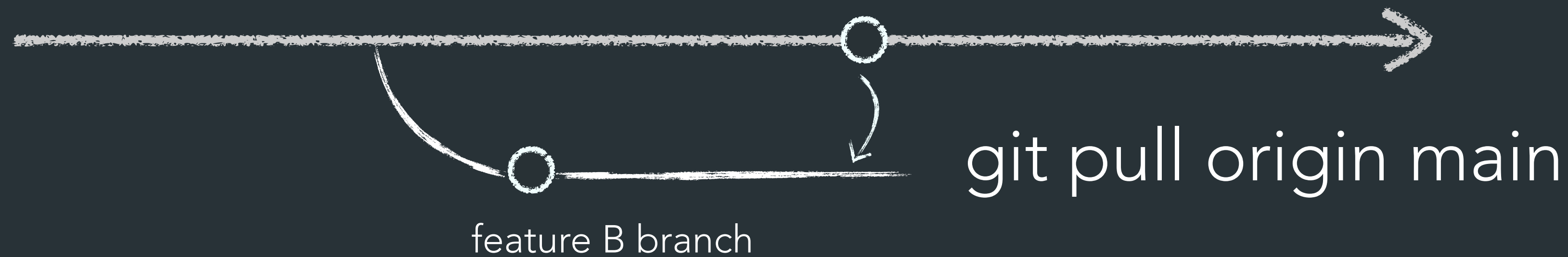
Merge pull request

▼

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

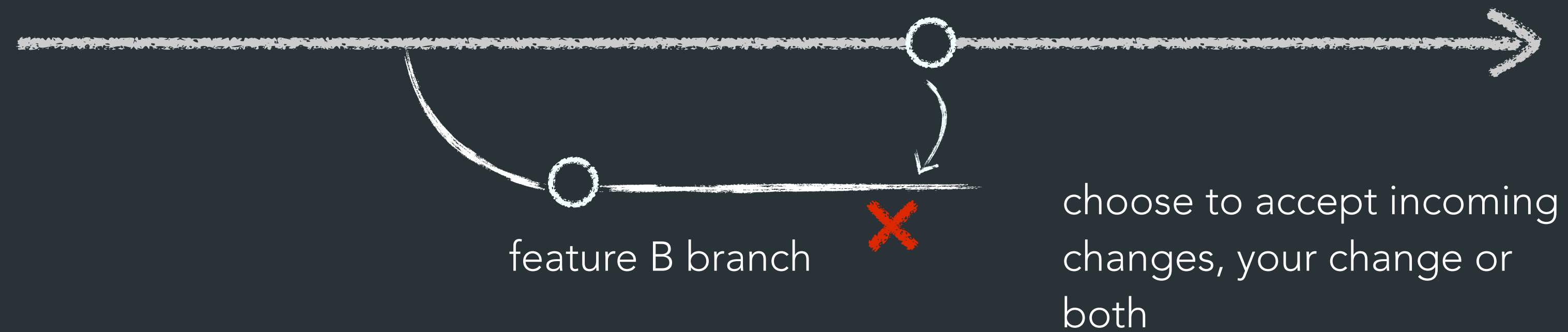
Add a comment

pull from **main branch** to your feature branch whenever anyone has done a successful pull request



in this case you will have the updated code and can continue working on your feature

with these rules every **merge conflict** will be handled in feature branch and not in main



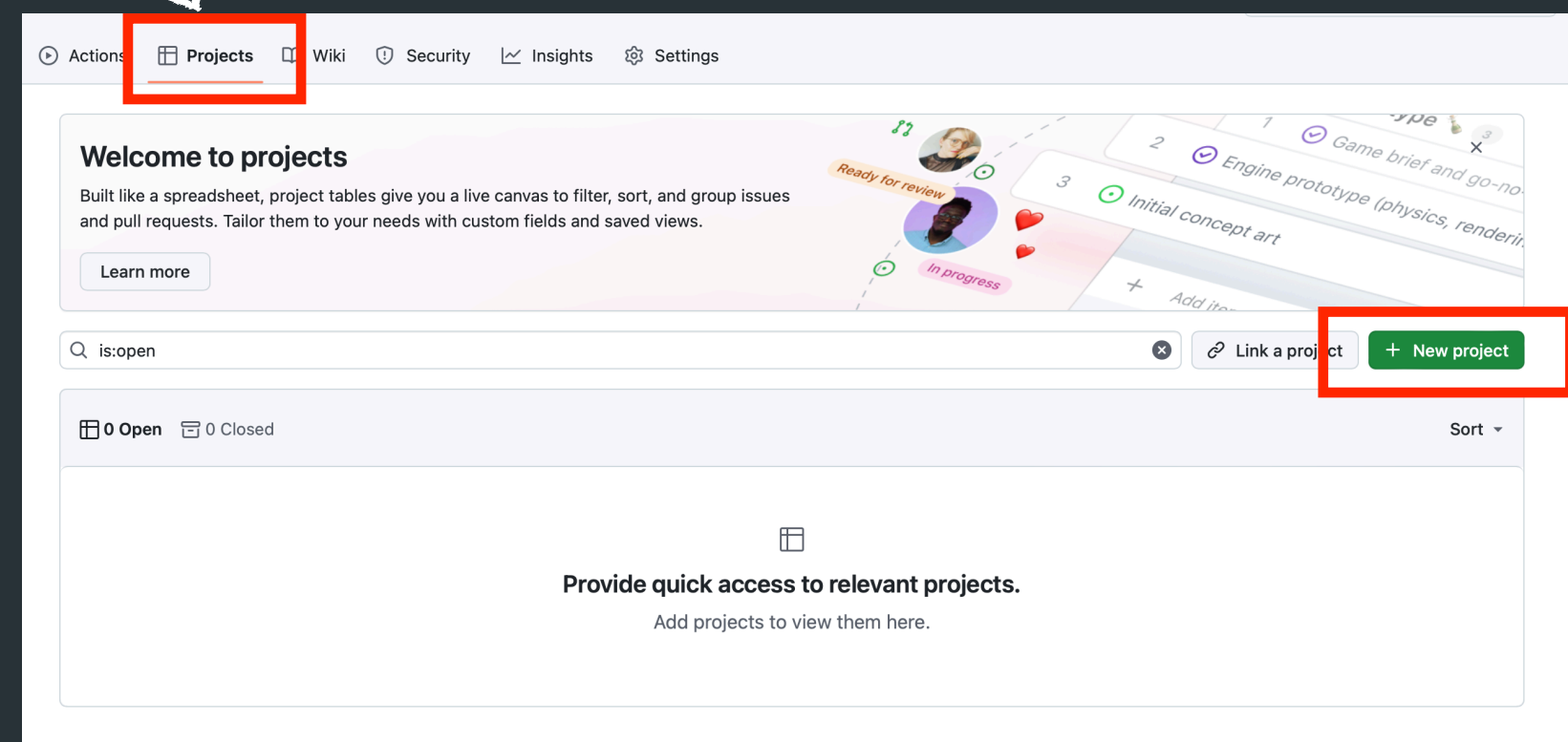
create a **graph** of the branches

git log --oneline --graph

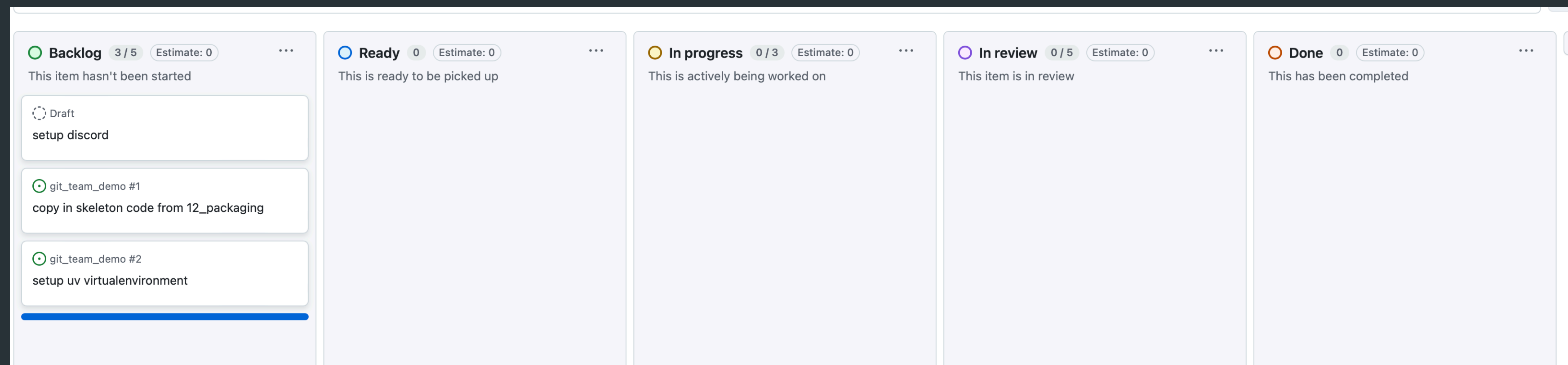
```
* 58edf4f (HEAD -> another_branch, origin/another_branch) merge
|\
* 919143b (main, kokchun_branch) Merge pull request #3 from FelizFernadu/kokchun_branch
| \
|  * 603ada4 (origin/kokchun_branch) merge conflict coming soon
|  * 5dd0738 new file
|  /
* / bff6996 new test
| /
* be8196d Merge pull request #2 from FelizFernadu/readme_feature
| \
|  * 7c22579 (origin/readme_feature) new stuffs
|  * 7b8b6ea readme
|  /
* 990bf33 from kokchun
```

github projects can be used as the teams kanban board

projects tab

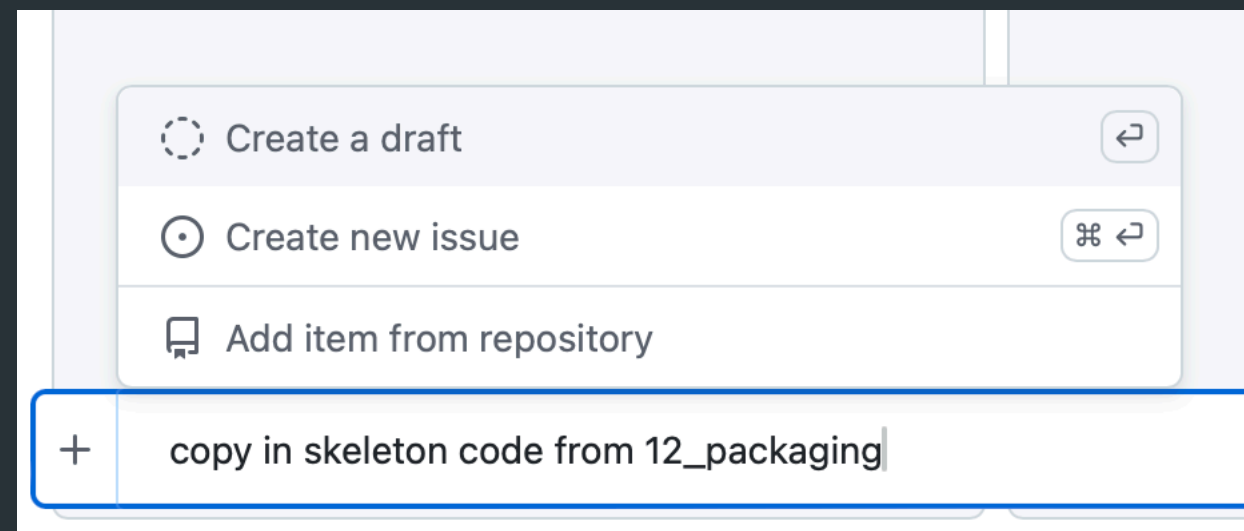


new project, then choose
kanban board

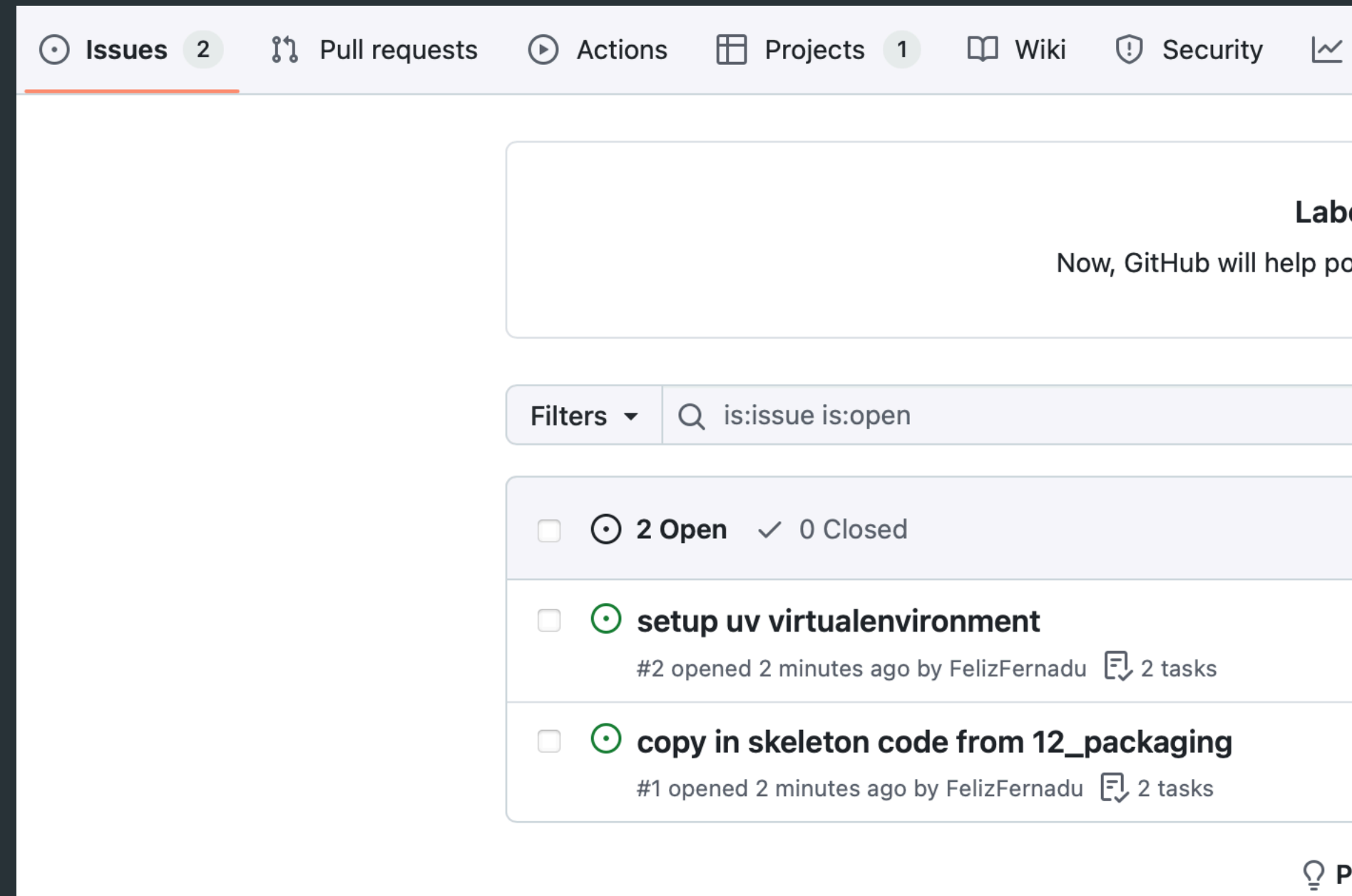
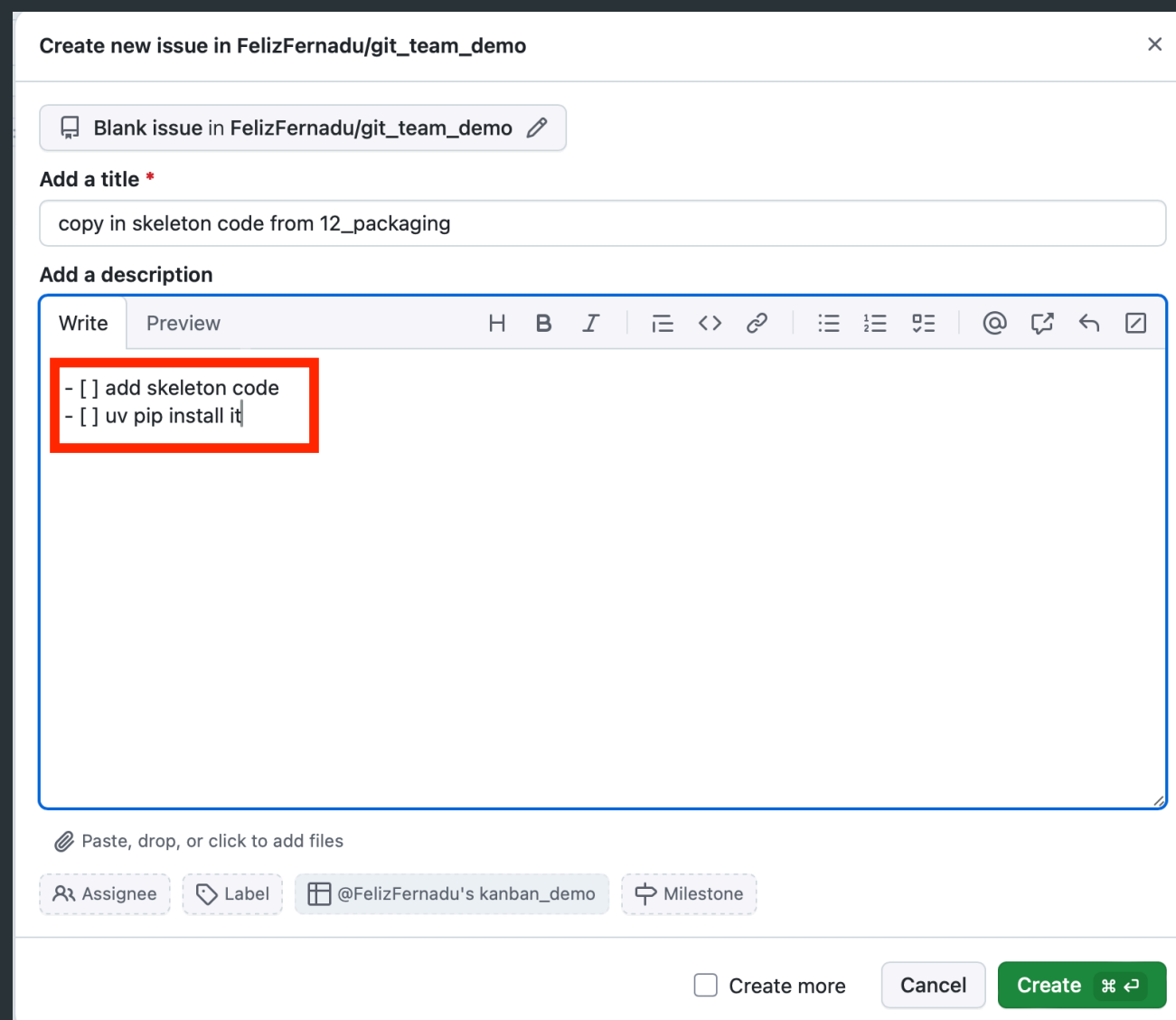


kanban board tasks that can be moved to different states

github projects can be used as the teams kanban board



subtasks for this task



issues found in the issue tab of the repo and is generated automatically and linked to the tasks