Github branch protection rules

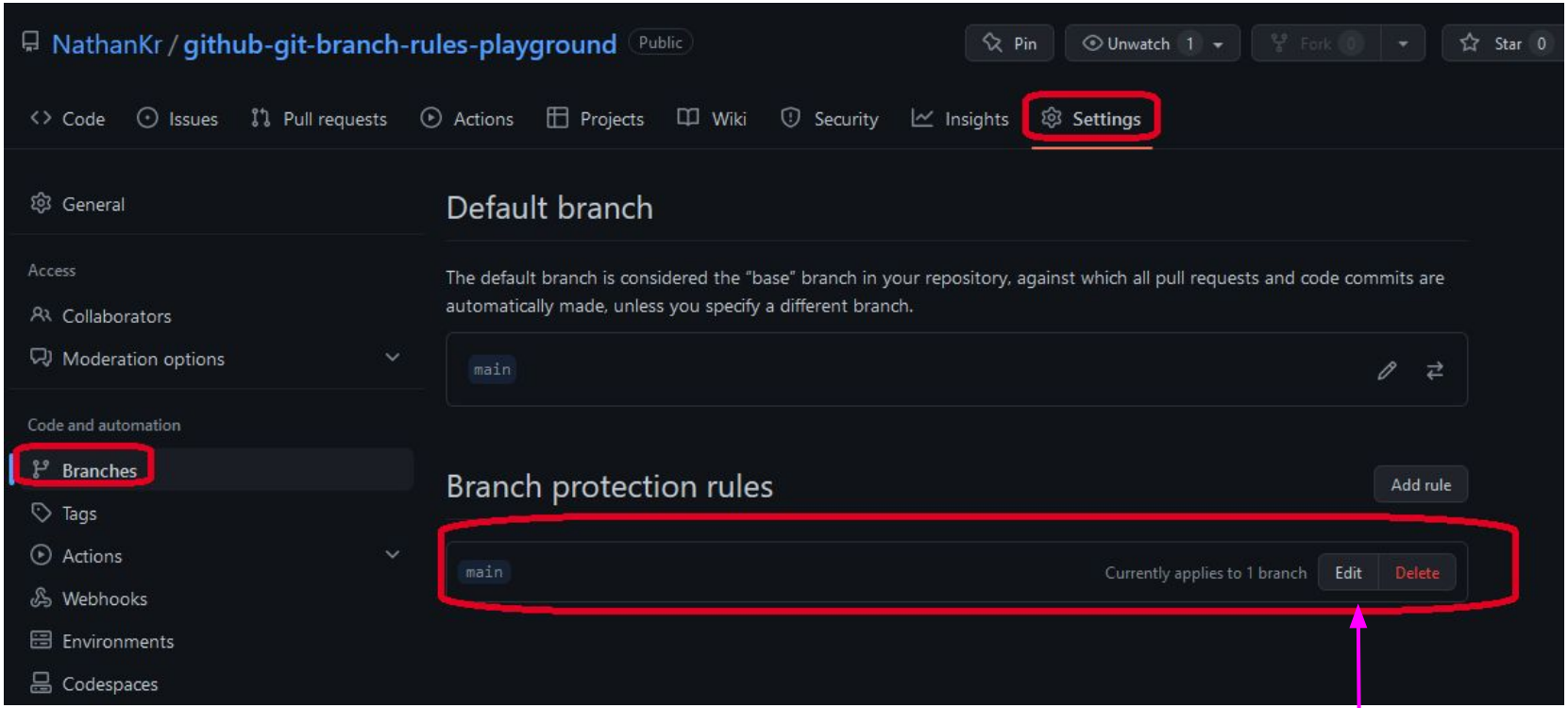
What is github branch protection rules

- You can create a branch protection rule to enforce certain workflows for one or more branches, such as requiring an approving review or passing status checks for all pull requests merged into the protected branch.
- One can set branch rule for free on public repo.
- For private repo you need to upgrade your github account (4$ per month)

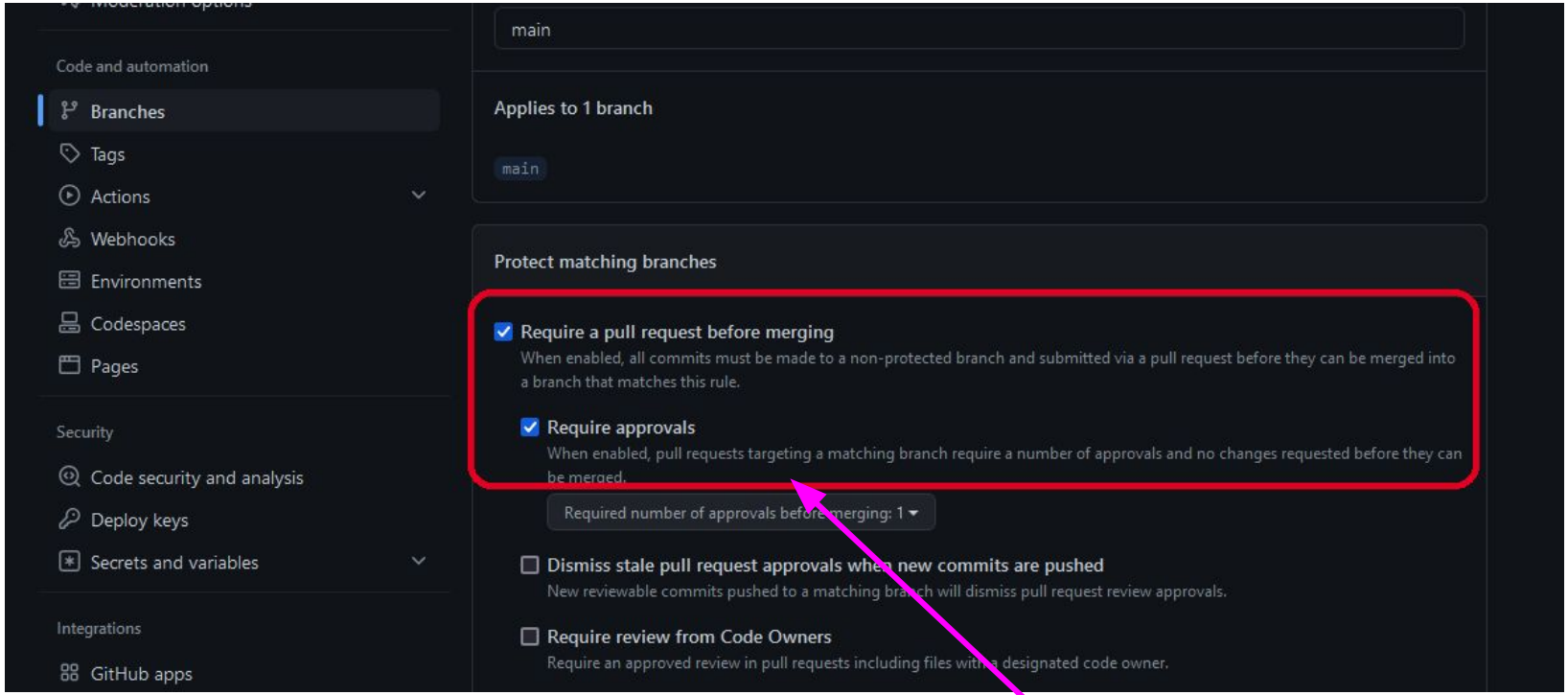
Motivation for github branch protection rules

- Protect your branch against unexpected situation
- For example, in next.js pushing to main cause application deploy on vercel .Thus you want to apply rules e.g. approve push request before the merge to main is performed to prevent wrong timing of merge to main

Set minimal branch protection rule 1/x



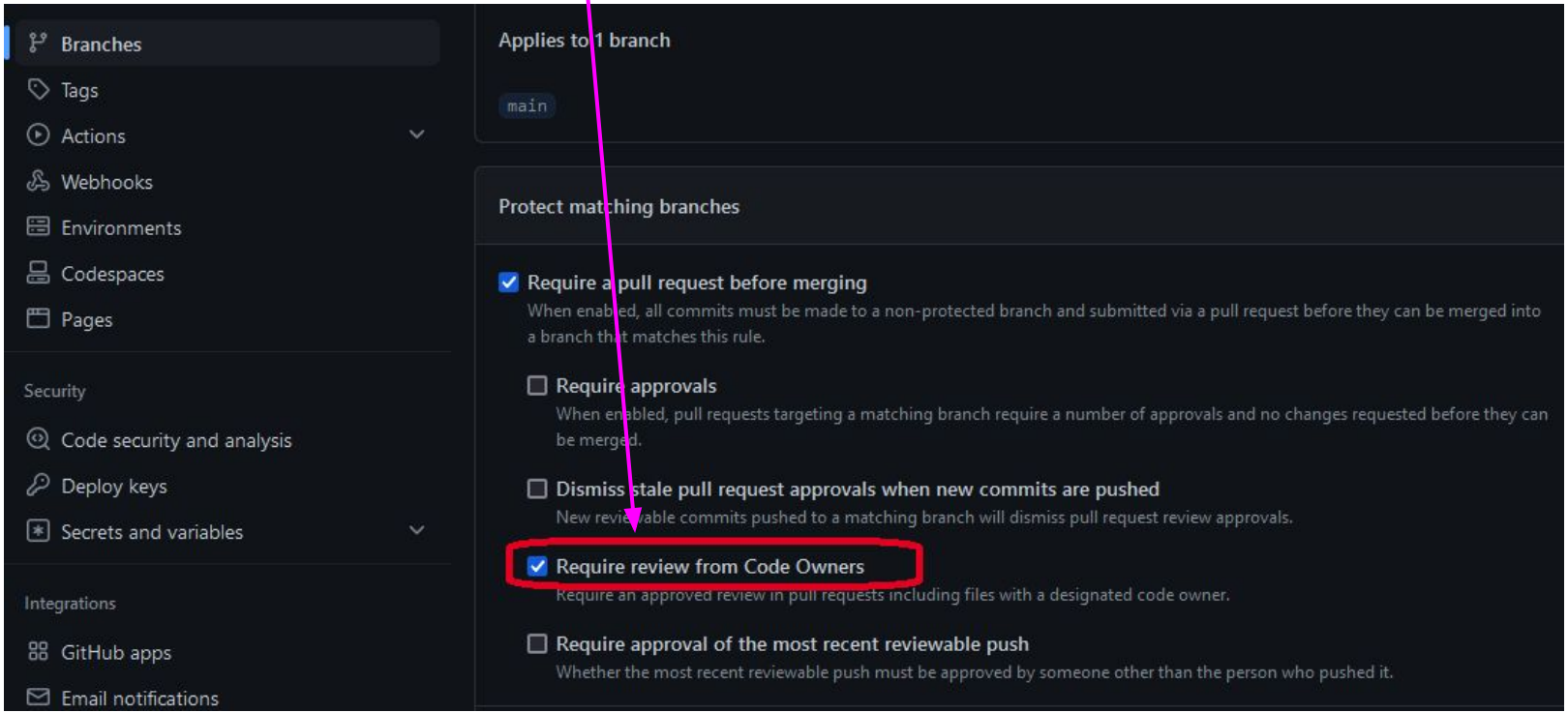
Set minimal branch protection rule 2/x



Set a rule that requires pull request before merge to master.

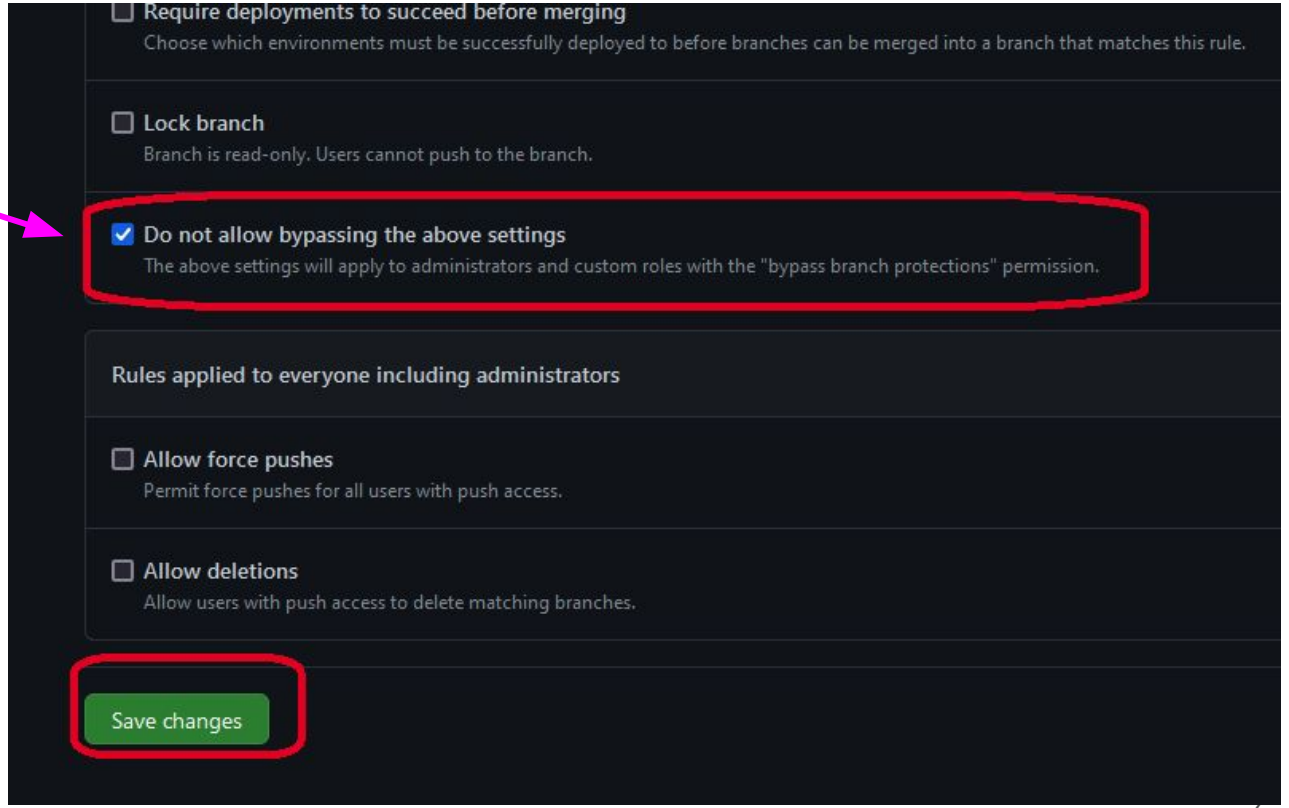
Set minimal branch protection rule 3/x

The prev option may be problematic In small organization and for freelancer. So you can replace “Require approvals” with this

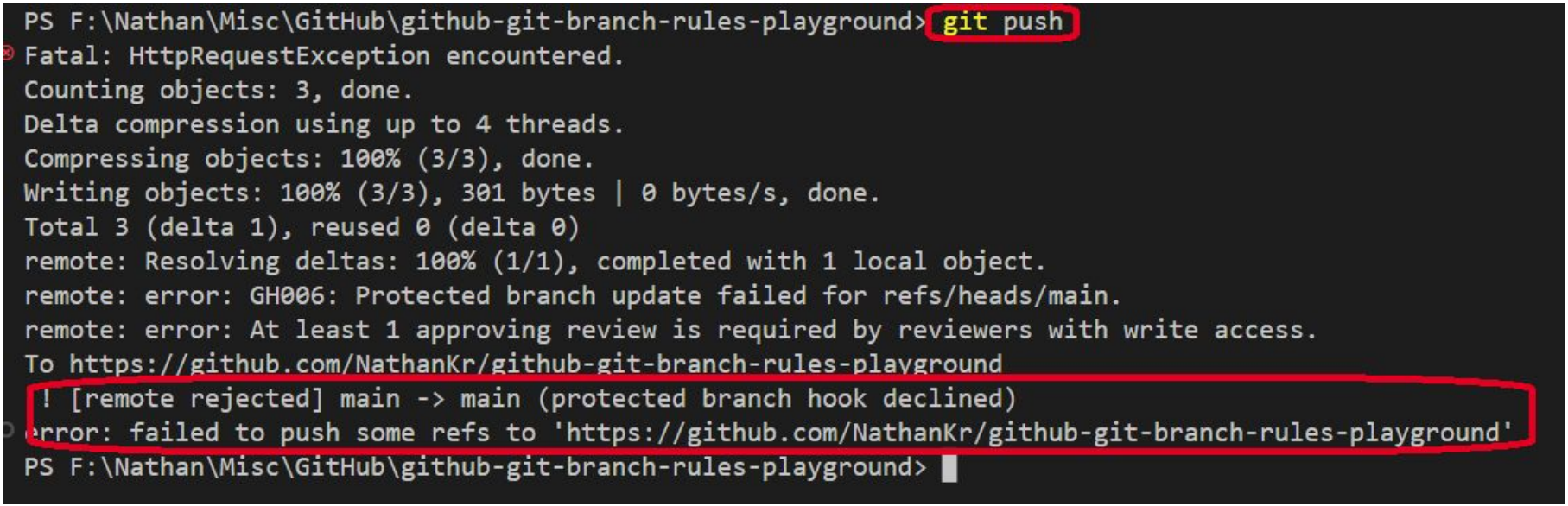


Set minimal branch protection rule 4/x

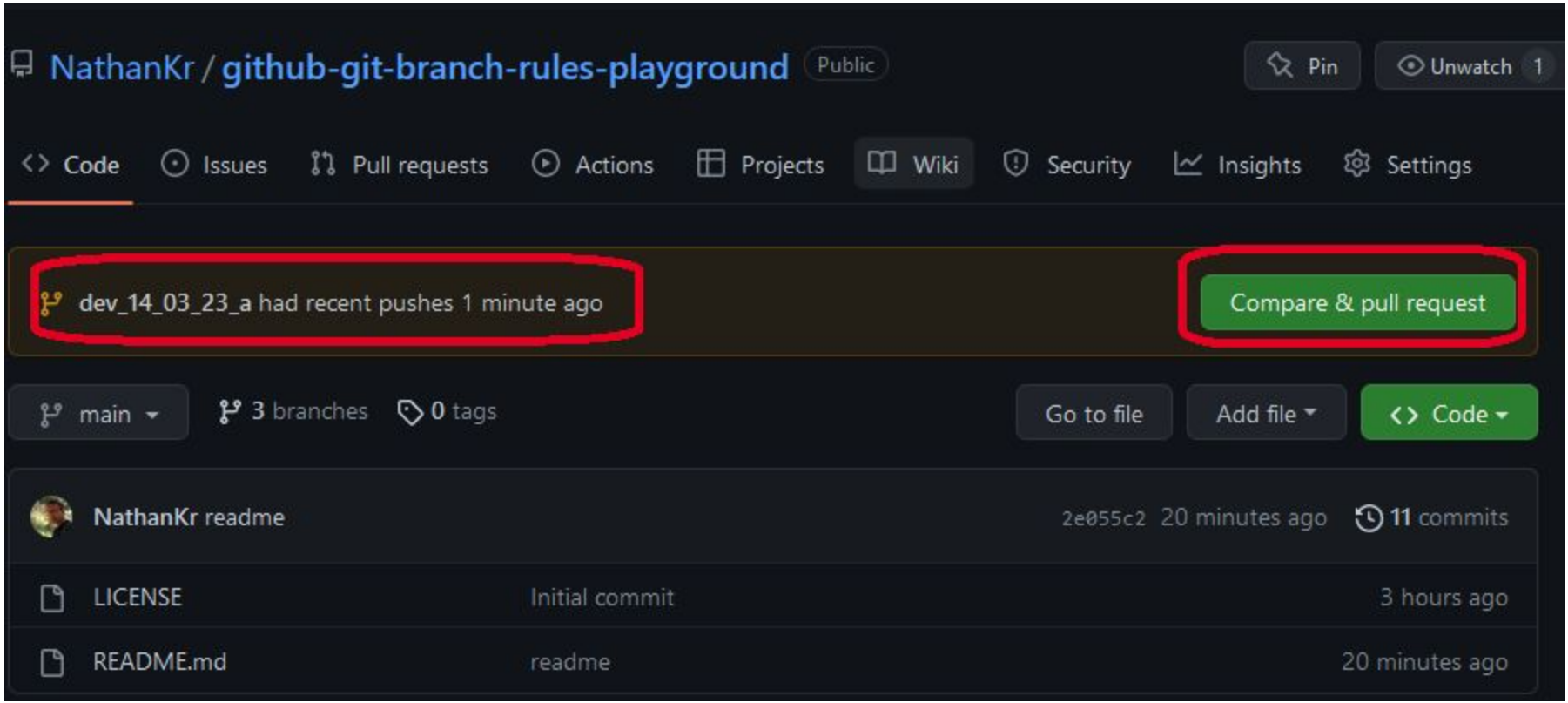
This is crucially important if the administrator is also a developer. Rules are not enforced for admin if not checked



Cmd for blocked git operation

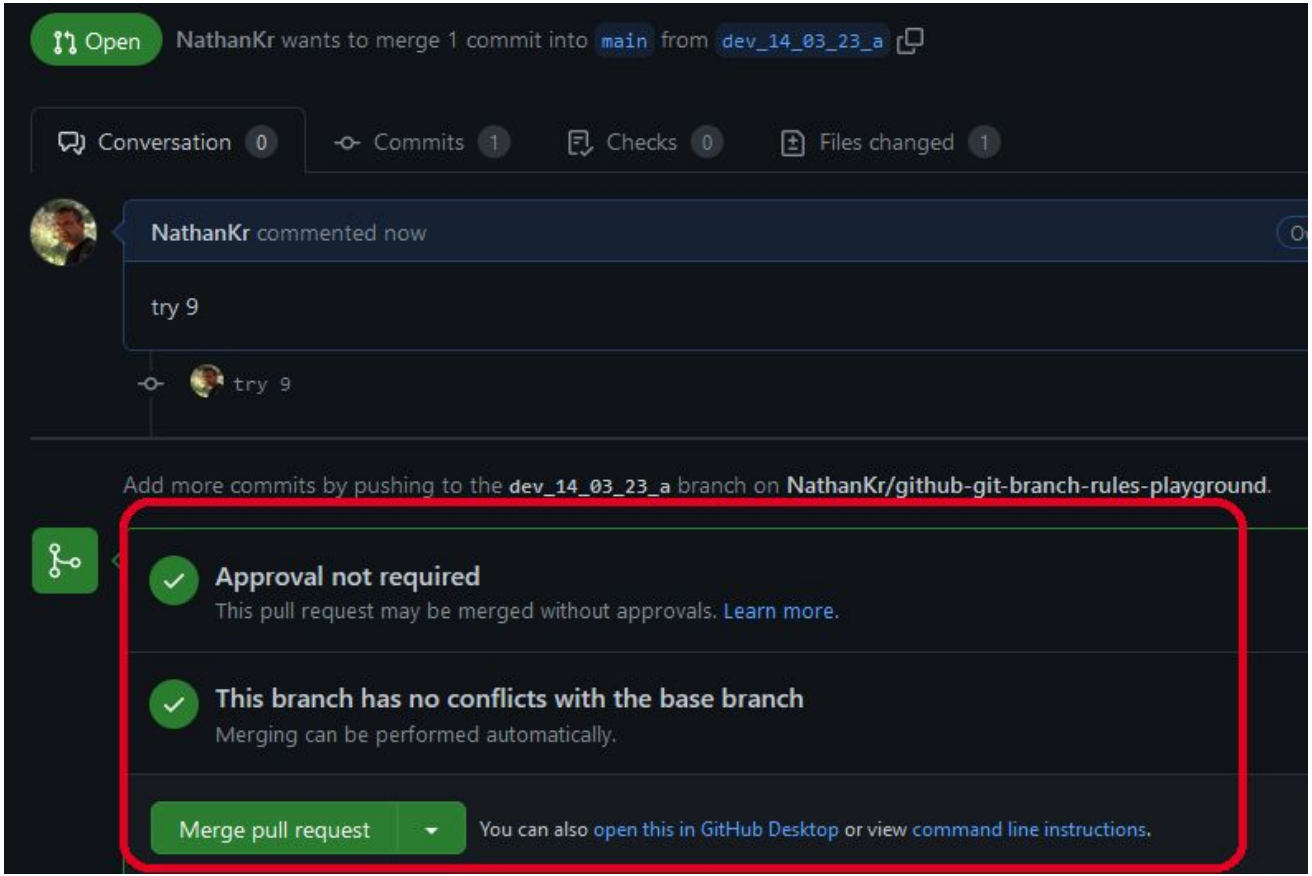


Need to create pull request

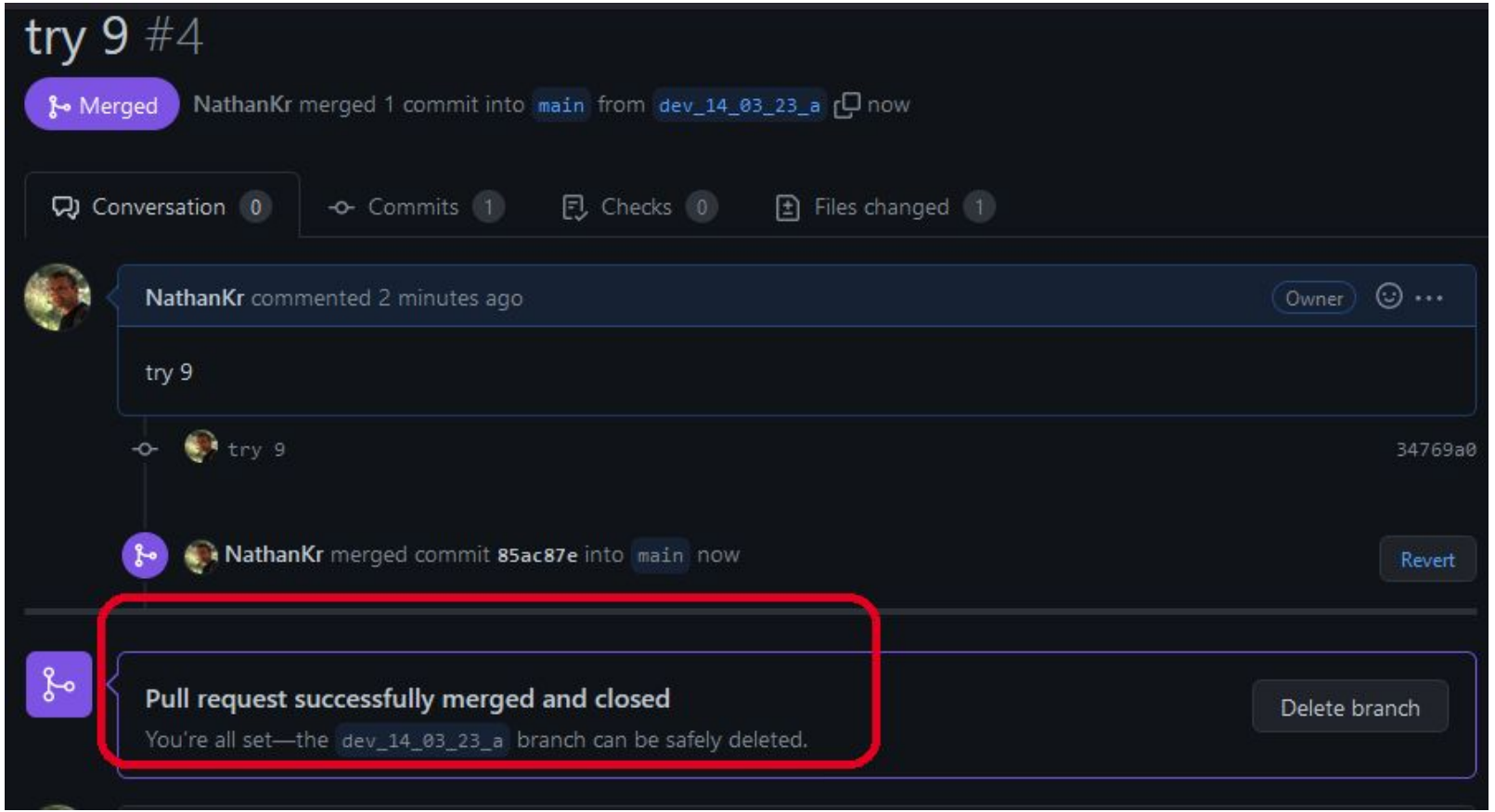


create pull request

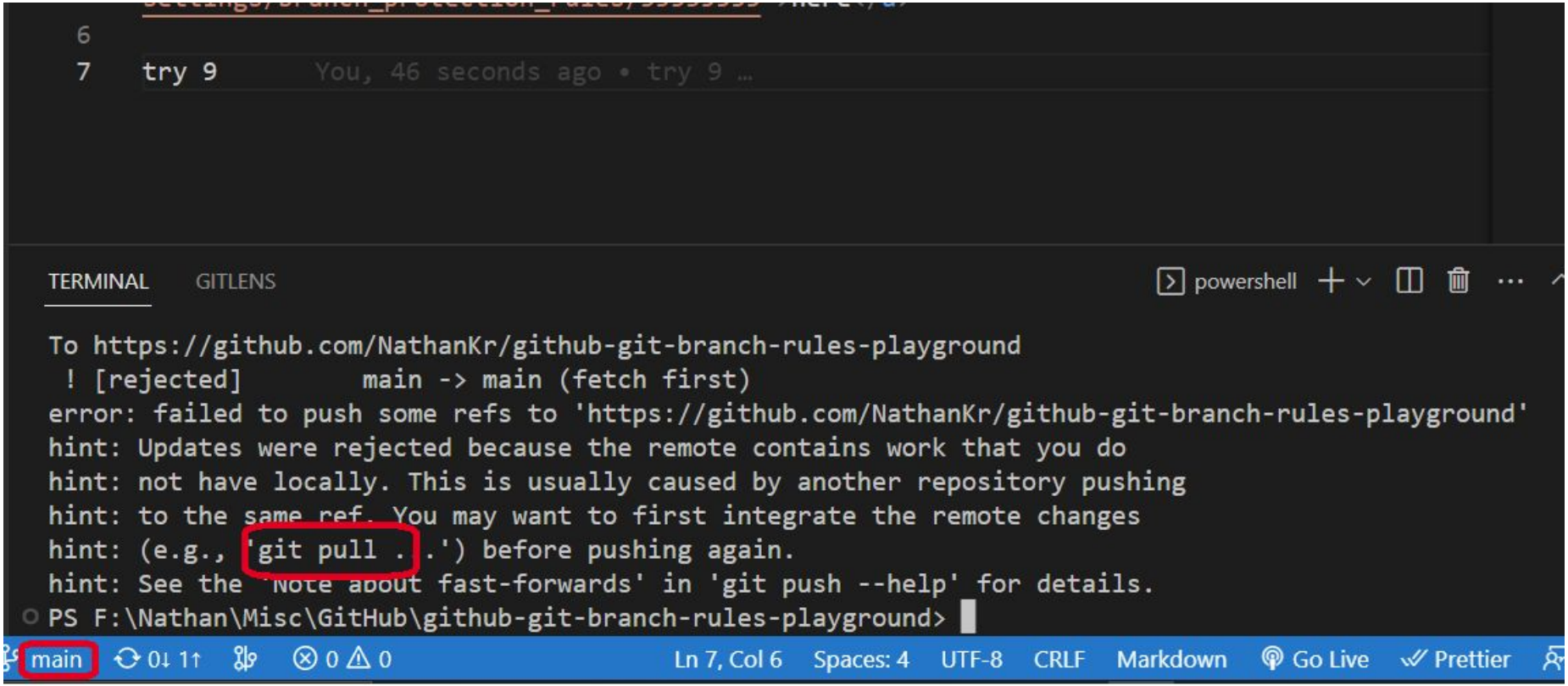
Approve and merge



Merge results



Main branch locally need pull



repository

github-git-branch-rules-playground

References

official docs

GitHub branch rules (protect your git branches) - JUne 2022