mehmetimga / **learning-about-version-control**

Code Issues Pull requests Actions Projects Wiki Security

main

learning-about-version-control / **assignment1_submission.md**

mehmetimga Add assignment submission documentation with evidence of version cont...

aa8c295 · 2 minutes ago

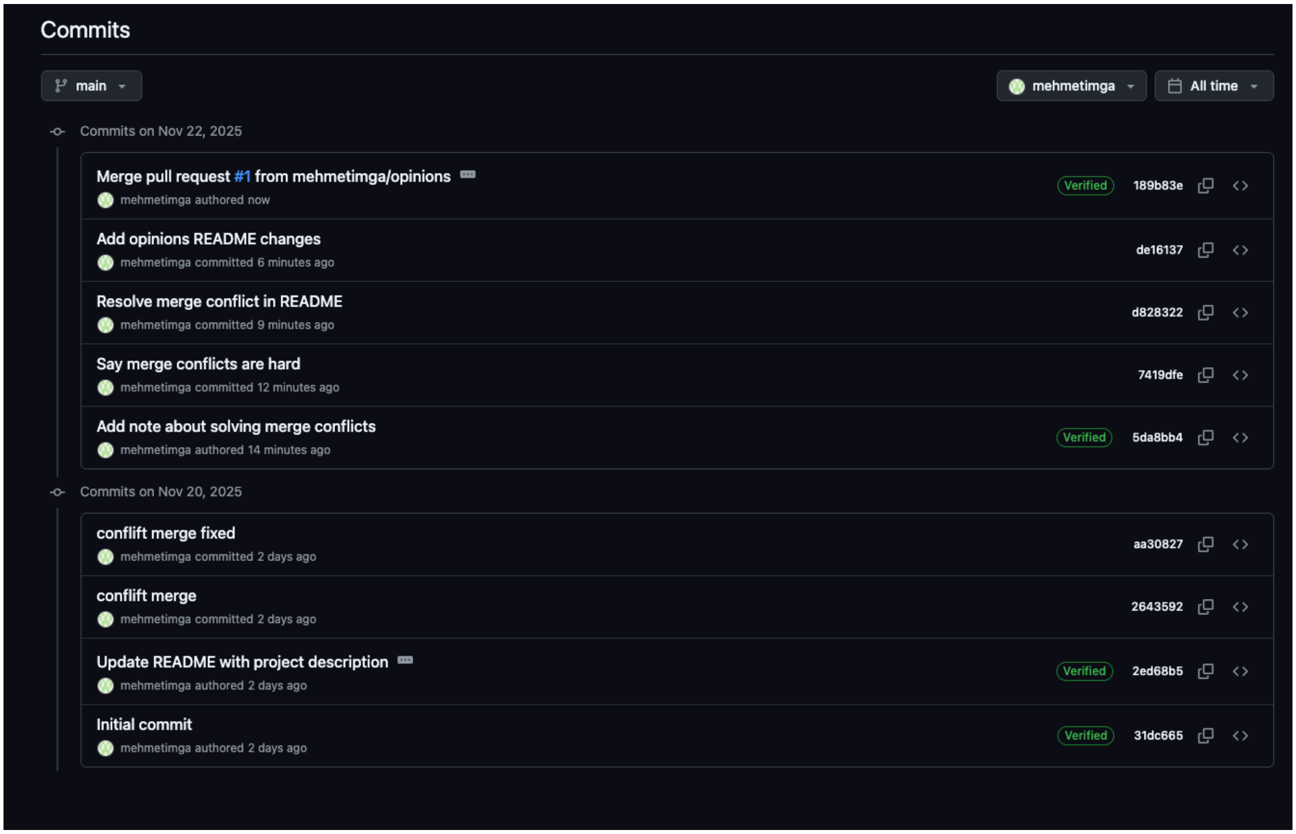
`53 lines (27 loc) · 1.67 KB`

Preview Code Blame Raw

- **Student**: Mehmet Imga
- **Repository**: `learning-about-version-control`
- **Commit history URL**: `https://github.com/mehmetimga/learning-about-version-control/commits/main`

Evidence of Steps

1. Commit history on GitHub



Commits on Nov 22, 2025

- Merge pull request #1 from mehmetimga/opinions — mehmetimga authored now — Verified 189b83e
- Add opinions README changes — mehmetimga committed 6 minutes ago — de16137
- Resolve merge conflict in README — mehmetimga committed 9 minutes ago — d828322
- Say merge conflicts are hard — mehmetimga committed 12 minutes ago — 7419dfe
- Add note about solving merge conflicts — mehmetimga authored 14 minutes ago — Verified 5da8bb4

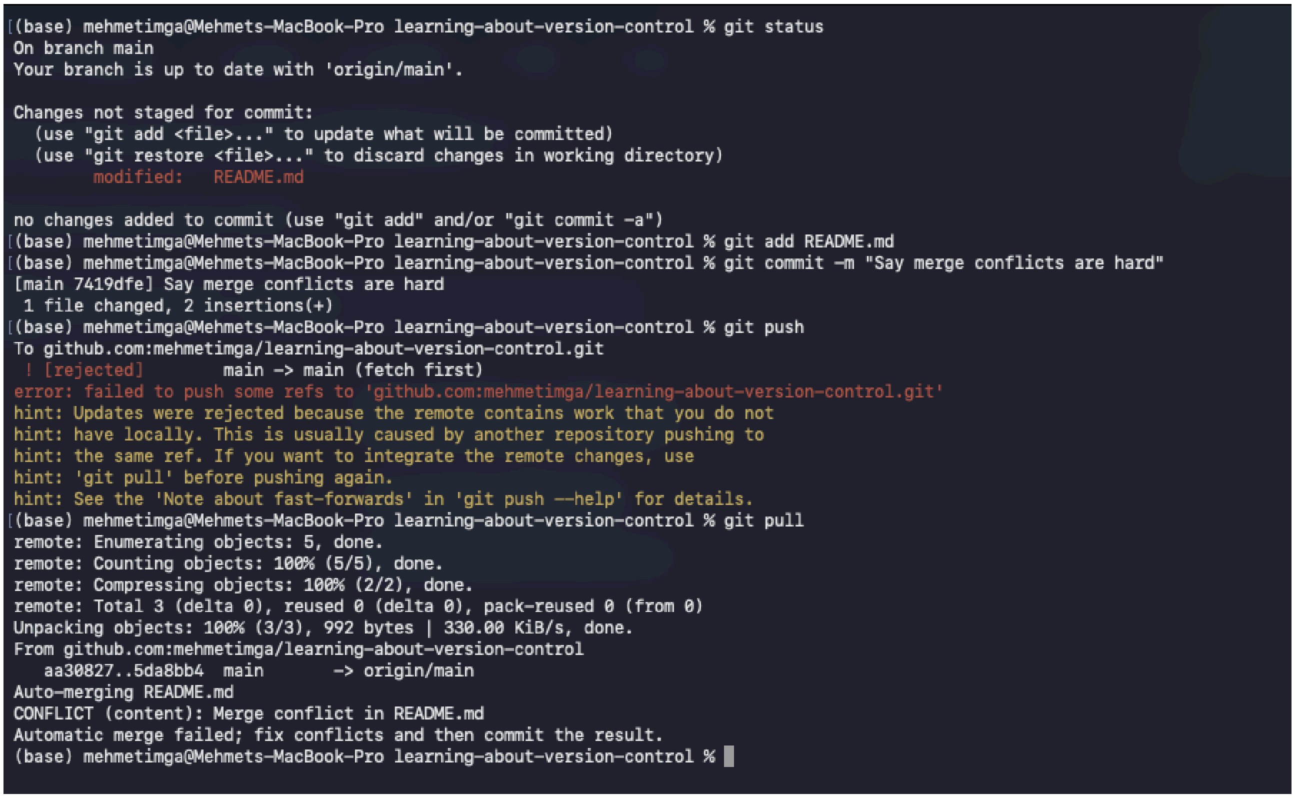
Commits on Nov 20, 2025

- conflift merge fixed — mehmetimga committed 2 days ago — aa30827
- conflift merge — mehmetimga committed 2 days ago — 2643592
- Update README with project description — mehmetimga authored 2 days ago — Verified 2ed68b5
- Initial commit — mehmetimga authored 2 days ago — Verified 31dc665

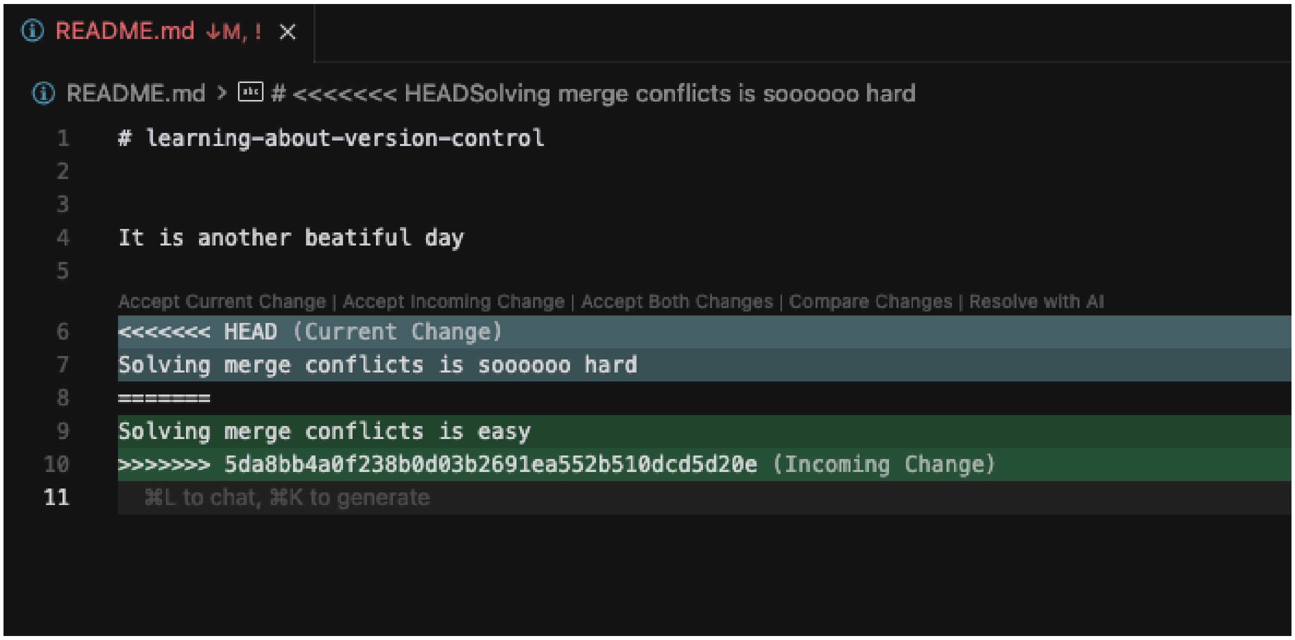
2. Creating and resolving a merge conflict

a. Merge conflict shown in editor

(This is the required screenshot of the merge conflict while resolving it.)

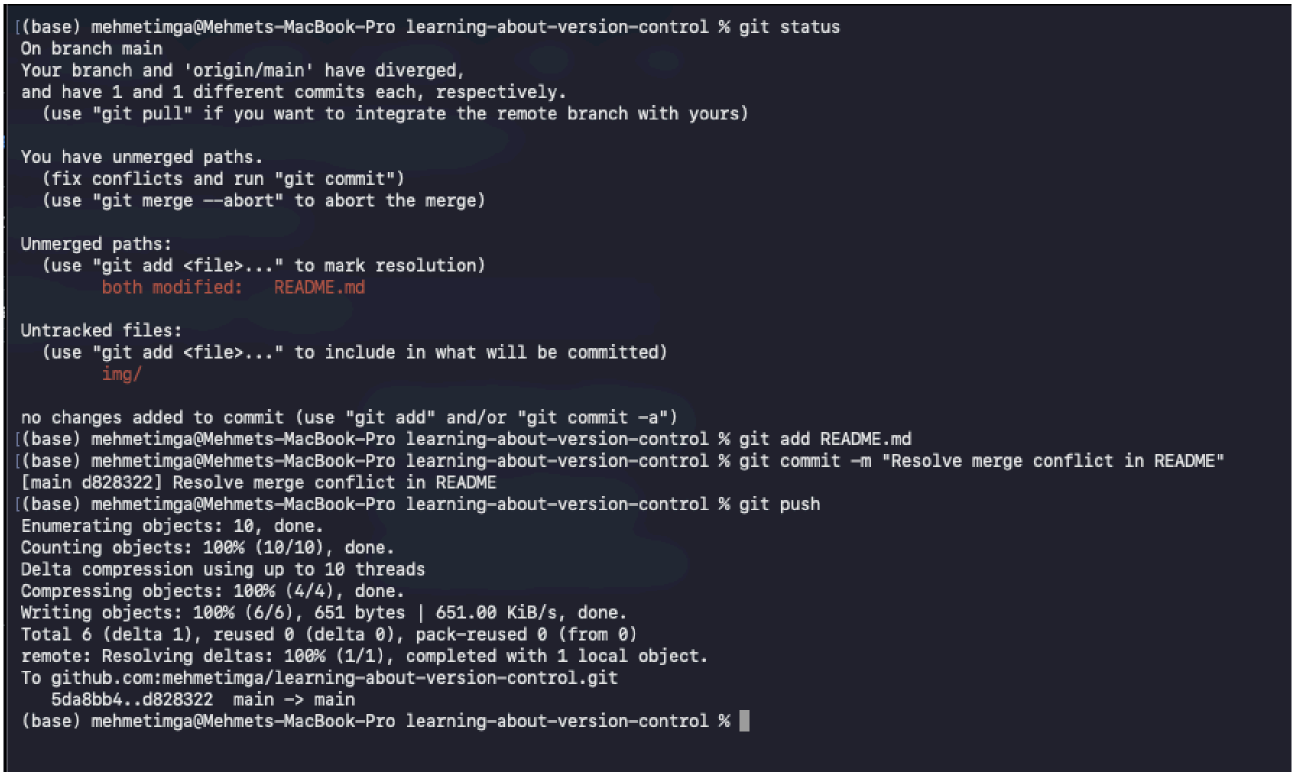


```
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git add README.md
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git commit -m "Say merge conflicts are hard"
[main 7419dfe] Say merge conflicts are hard
 1 file changed, 2 insertions(+)
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git push
To github.com:mehmetimga/learning-about-version-control.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'github.com:mehmetimga/learning-about-version-control.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 992 bytes | 330.00 KiB/s, done.
From github.com:mehmetimga/learning-about-version-control
   aa30827..5da8bb4  main       -> origin/main
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control %
```



README.md ↓M, ! ×
README.md > # <<<<<<< HEADSolving merge conflicts is soooooo hard
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes | Resolve with AI
⌘L to chat, ⌘K to generate

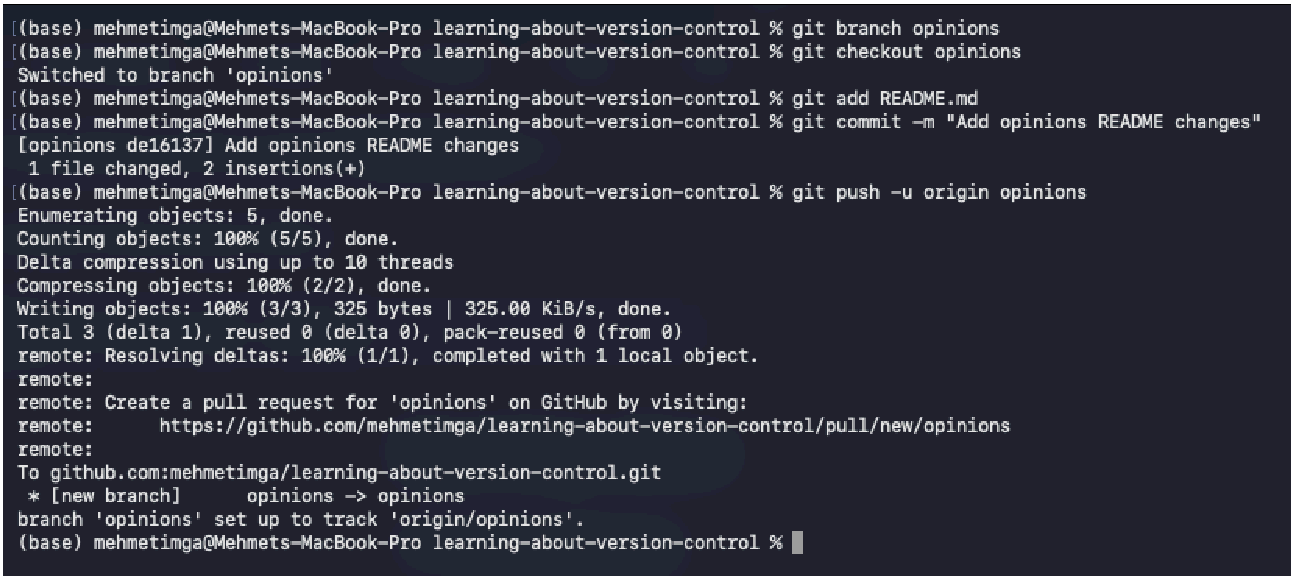
```
# learning-about-version-control


It is another beatiful day

<<<<<<< HEAD (Current Change)
Solving merge conflicts is soooooo hard
=======
Solving merge conflicts is easy
>>>>>>> 5da8bb4a0f238b0d03b2691ea552b510dcd5d20e (Incoming Change)

```



```
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git status
 On branch main
 Your branch and 'origin/main' have diverged,
 and have 1 and 1 different commits each, respectively.
   (use "git pull" if you want to integrate the remote branch with yours)

 You have unmerged paths.
   (fix conflicts and run "git commit")
   (use "git merge --abort" to abort the merge)

 Unmerged paths:
   (use "git add <file>..." to mark resolution)
         both modified:   README.md

 Untracked files:
   (use "git add <file>..." to include in what will be committed)
         img/

 no changes added to commit (use "git add" and/or "git commit -a")
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git add README.md
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git commit -m "Resolve merge conflict in README"
 [main d828322] Resolve merge conflict in README
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git push
 Enumerating objects: 10, done.
 Counting objects: 100% (10/10), done.
 Delta compression using up to 10 threads
 Compressing objects: 100% (4/4), done.
 Writing objects: 100% (6/6), 651 bytes | 651.00 KiB/s, done.
 Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
 remote: Resolving deltas: 100% (1/1), completed with 1 local object.
 To github.com:mehmetimga/learning-about-version-control.git
    5da8bb4..d828322  main -> main
 (base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % 
```

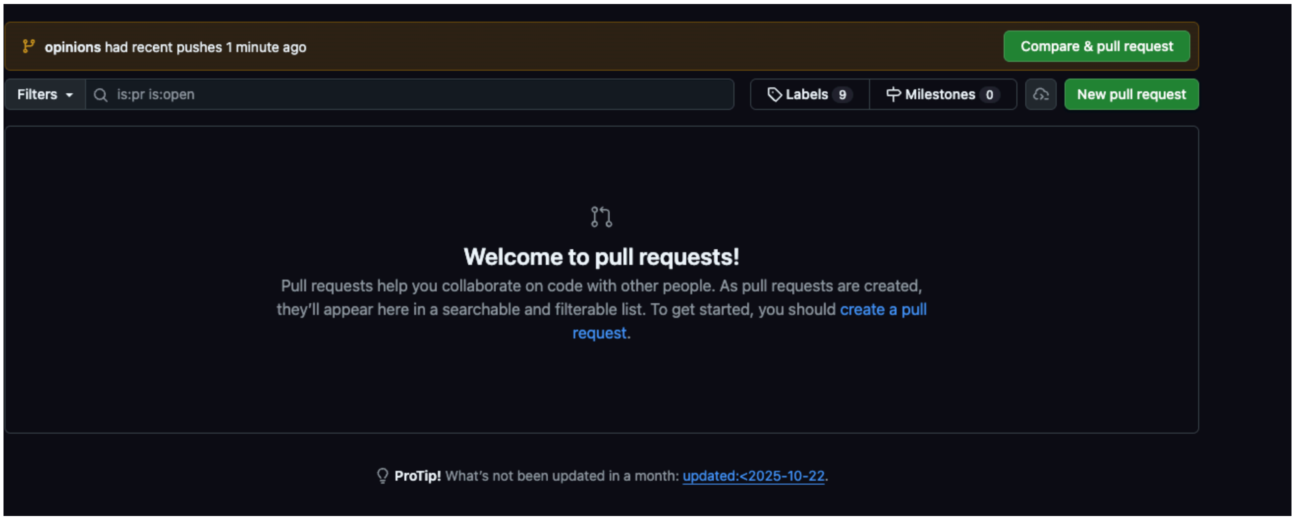
3. Working with branches and merging

a. Creating and working on the `opinions` branch



```
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git branch opinions
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git checkout opinions
 Switched to branch 'opinions'
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git add README.md
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git commit -m "Add opinions README changes"
 [opinions de16137] Add opinions README changes
  1 file changed, 2 insertions(+)
[(base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % git push -u origin opinions
 Enumerating objects: 5, done.
 Counting objects: 100% (5/5), done.
 Delta compression using up to 10 threads
 Compressing objects: 100% (2/2), done.
 Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
 Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
 remote: Resolving deltas: 100% (1/1), completed with 1 local object.
 remote:
 remote: Create a pull request for 'opinions' on GitHub by visiting:
 remote:      https://github.com/mehmetimga/learning-about-version-control/pull/new/opinions
 remote:
 To github.com:mehmetimga/learning-about-version-control.git
  * [new branch]      opinions -> opinions
 branch 'opinions' set up to track 'origin/opinions'.
 (base) mehmetimga@Mehmets-MacBook-Pro learning-about-version-control % 
```

b. Creating a pull request on GitHub

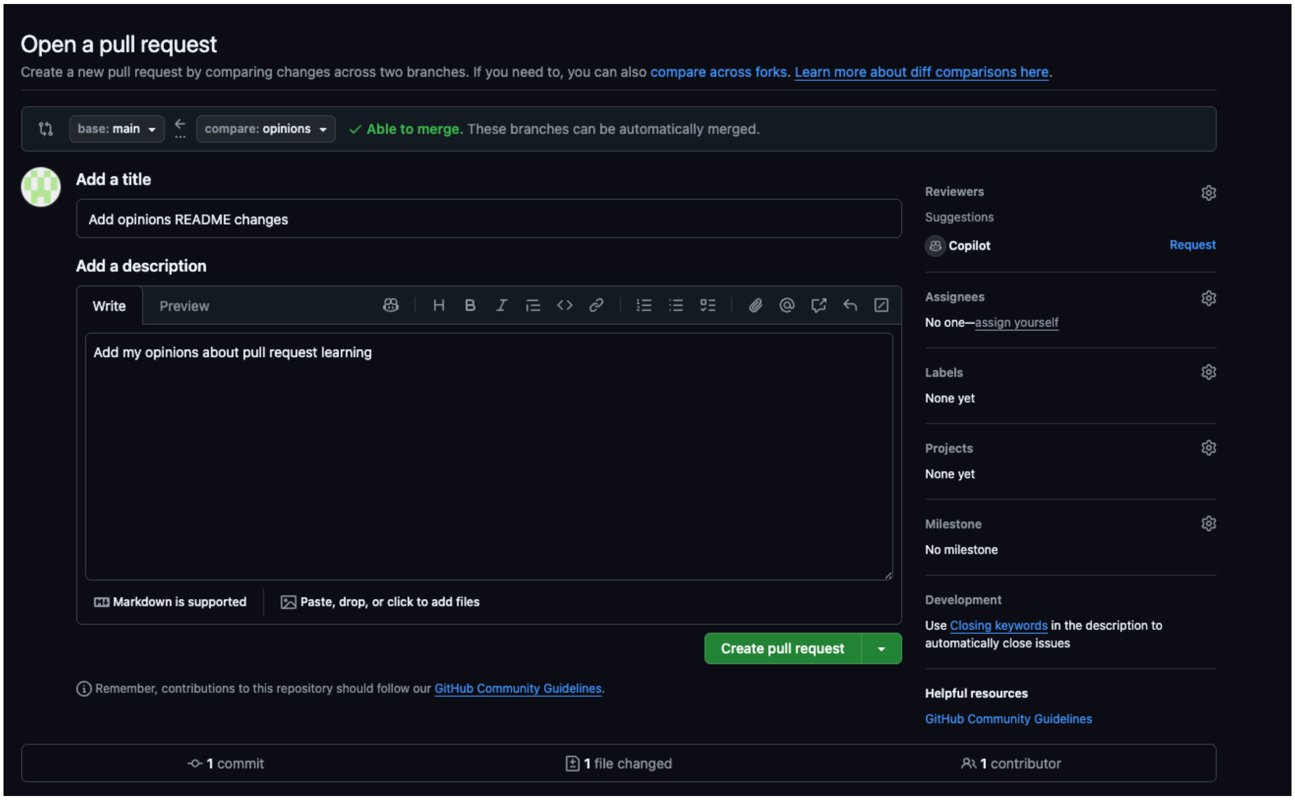


opinions had recent pushes 1 minute ago

Welcome to pull requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should create a pull request.

ProTip! What's not been updated in a month: updated:<2025-10-22.



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

base: main ← compare: opinions ✓ Able to merge. These branches can be automatically merged.

Add a title

Add opinions README changes

Add a description

Add my opinions about pull request learning

Remember, contributions to this repository should follow our GitHub Community Guidelines.

Reviewers
Suggestions
Copilot Request

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

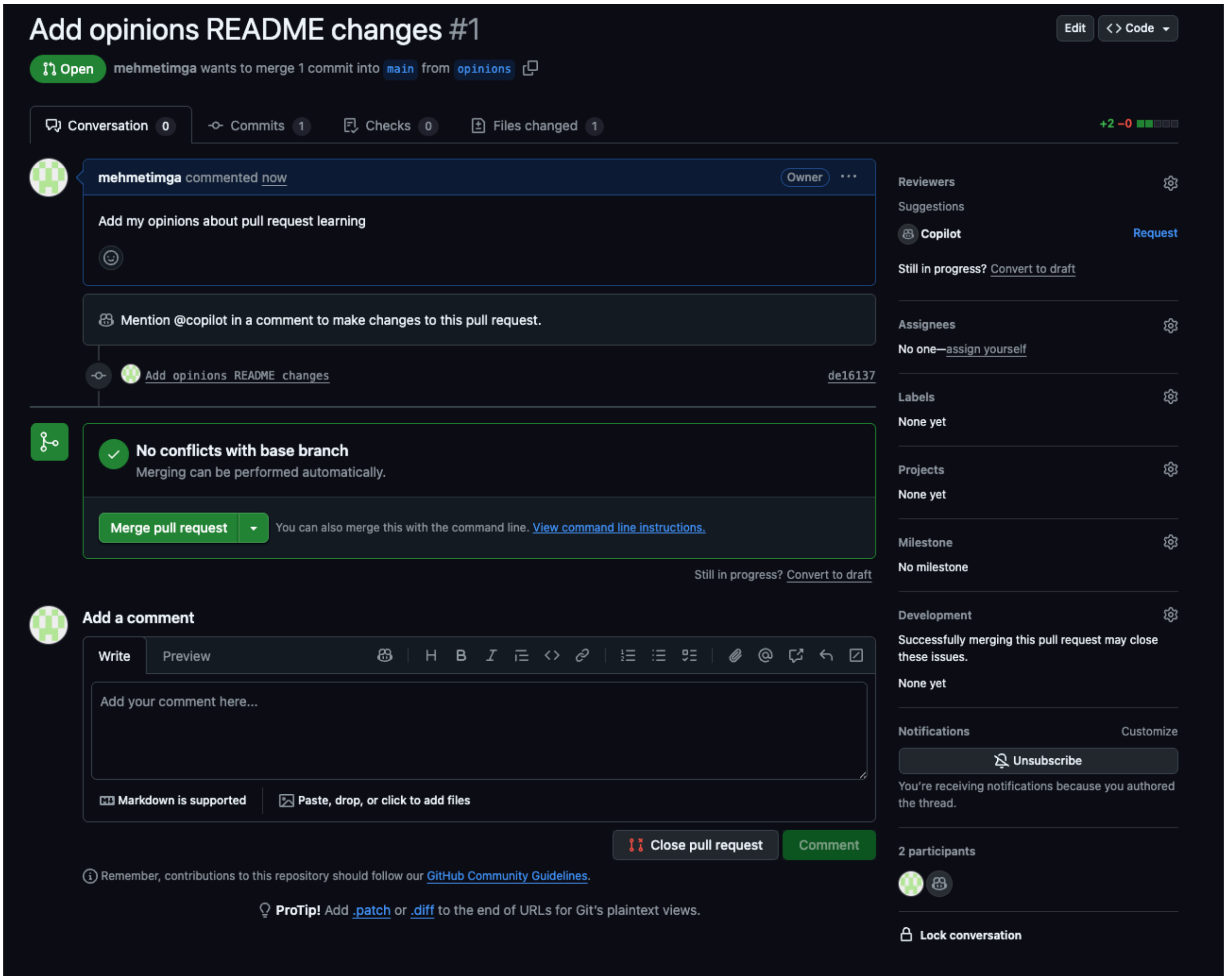
Milestone
No milestone

Development
Use Closing keywords in the description to automatically close issues

Helpful resources
GitHub Community Guidelines

1 commit · 1 file changed · 1 contributor

c. Reviewing and merging the pull request



Add opinions README changes #1

Open mehmetimga wants to merge 1 commit into main from opinions

Edit
Code

Conversation 0 · Commits 1 · Checks 0 · Files changed 1 · +2 −0

mehmetimga commented now · Owner

Add my opinions about pull request learning

Mention @copilot in a comment to make changes to this pull request.

Add opinions README changes de16137

No conflicts with base branch

Merging can be performed automatically.

Merge pull request · You can also merge this with the command line. View command line instructions.

Still in progress? Convert to draft

Add a comment

Write · Preview

Add your comment here...

Markdown is supported · Paste, drop, or click to add files

Close pull request · Comment

Remember, contributions to this repository should follow our GitHub Community Guidelines.

ProTip! Add .patch or .diff to the end of URLs for Git's plaintext views.

Reviewers
Suggestions
Copilot · Request
Still in progress? Convert to draft

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

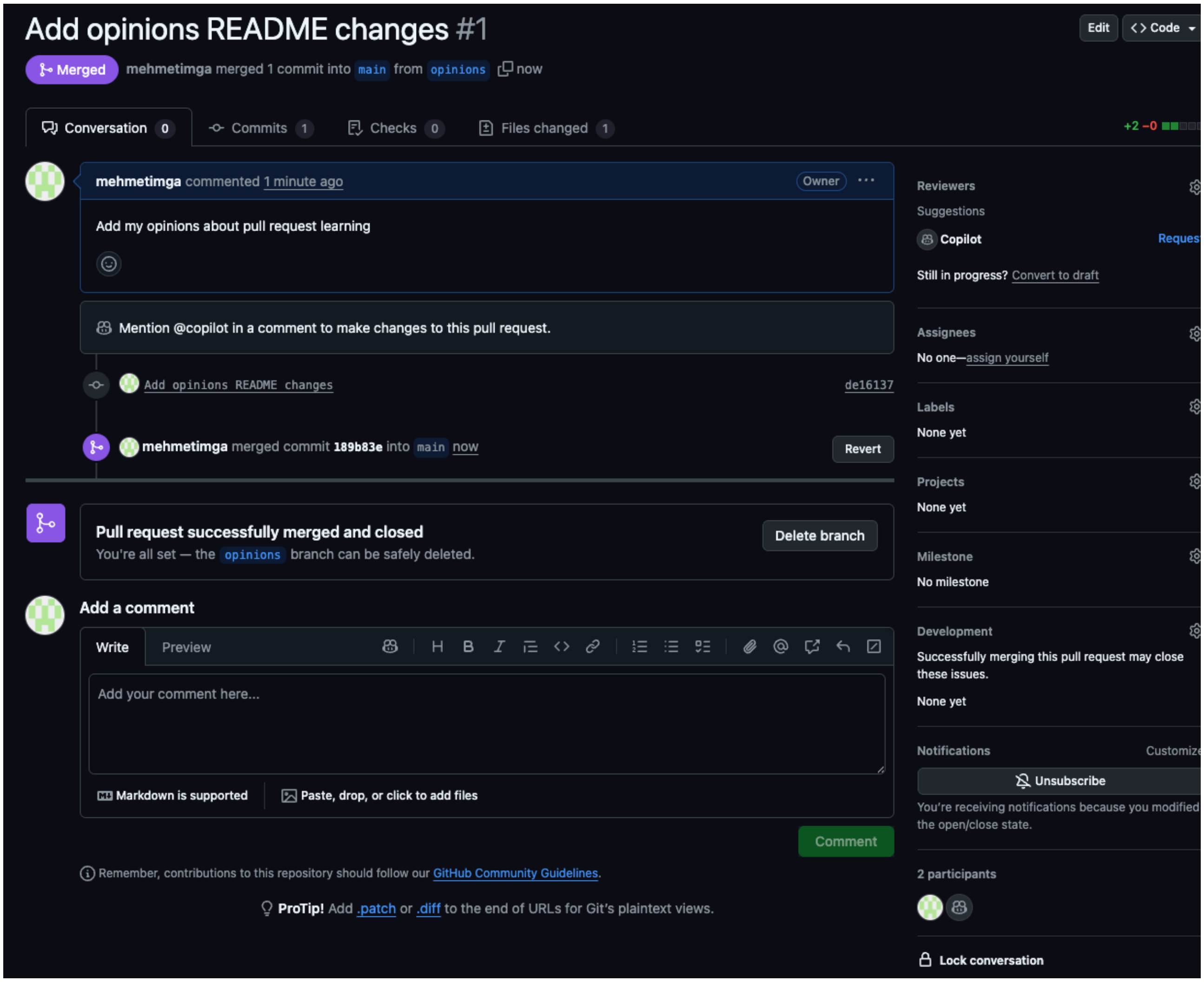
Milestone
No milestone

Development
Successfully merging this pull request may close these issues.
None yet

Notifications · Customize
Unsubscribe
You're receiving notifications because you authored the thread.

2 participants

Lock conversation



Add opinions README changes #1

Merged mehmetimga merged 1 commit into main from opinions now

Conversation 0 Commits 1 Checks 0 Files changed 1 +2 −0

mehmetimga commented 1 minute ago Owner

Add my opinions about pull request learning

Mention @copilot in a comment to make changes to this pull request.

Add opinions README changes de16137

mehmetimga merged commit 189b83e into main now

Pull request successfully merged and closed

You're all set — the opinions branch can be safely deleted.

Add a comment

Add your comment here...

Remember, contributions to this repository should follow our GitHub Community Guidelines.

ProTip! Add .patch or .diff to the end of URLs for Git's plaintext views.

Reviewers

Suggestions

Copilot

Still in progress? Convert to draft

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

You're receiving notifications because you modified the open/close state.

2 participants

Explanation: Why use a branch + pull request workflow?

Working in a branch–pull request workflow is useful because it keeps the `main` branch more stable: you can experiment and make changes in a separate branch without immediately affecting the production-ready code. Pull requests also create a clear place for code review and discussion, so teammates (or your future self) can check, comment on, and approve changes before they are merged. This workflow supports collaboration and helps catch mistakes early, which reduces the risk of breaking the main branch.