

# Software Evolution – Practical Session:

## Building a GitHub Bot

<https://github.com/florianilaurence/umons-bot-tutorial.git>

### 1. Say thanks when a pull request has been merged.

The screenshot displays a GitHub pull request interface. At the top, navigation tabs show 'Conversation' (0), 'Commits' (2), 'Checks' (0), and 'Files changed' (1). A status bar indicates '+1 -1' with a progress indicator.

The main content area shows a timeline of events:

- florianilaurence** commented 19 minutes ago: "No description provided."
- florianilaurence** added 2 commits 21 minutes ago:
  - Update hello.py (Verified, 2a9a69c)
  - Update hello.py (Verified, 4ef11c9)
- myfirstgithubbotlol** (bot) commented 19 minutes ago: "Thanks for opening this pull request, @florianilaurence! The repository maintainers will look into it ASAP! 🗨"
- myfirstgithubbotlol** (bot) added the **needs review** label 19 minutes ago.
- florianilaurence** merged commit **b8ab6c9** into **main** 19 minutes ago. A **Revert** button is visible.
- myfirstgithubbotlol** (bot) commented 19 minutes ago: "Thank you"

The right sidebar contains repository metadata:

- Reviewers:** No reviews
- Assignees:** No one—assign yourself
- Labels:** **needs review**
- Projects:** None yet
- Milestone:** No milestone
- Linked issues:** Successfully merging this pull request may close these issues. None yet.
- Notifications:** Customizable. An **Unsubscribe** button is present. A note states: "You're receiving notifications because you're watching this repository."

## 2. Automatically delete a merged branch.

The screenshot displays a GitHub pull request titled "Update newHello.py #9" by florianilaurence, merged into the main branch from the RERERERETest branch. The interface shows a timeline of events: a comment from myfirstgithubbotlol thanking the user, the addition of the "needs review" label, the merge of commit 7eefc07, a "Thank you" comment, and the deletion of the RERERERETest branch. On the right, there are sections for Labels (needs review), Projects (None yet), Milestone (No milestone), Linked issues, Notifications (Unsubscribe), and 1 participant. A "Lock conversation" button is at the bottom right.

**Merged** Update newHello.py #9  
florianilaurence merged 1 commit into `main` from `RERERERETest` 32 seconds ago

Update newHello.py Verified 2056c06 No one—assign yourself

myfirstgithubbotlol bot commented 36 seconds ago  
Thanks for opening this pull request, @florianilaurence! The repository maintainers will look into it ASAP!

myfirstgithubbotlol bot added the `needs review` label 35 seconds ago

florianilaurence merged commit 7eefc07 into `main` 32 seconds ago [Revert](#)

myfirstgithubbotlol bot commented 29 seconds ago  
Thank you

myfirstgithubbotlol bot commented 28 seconds ago  
Delete branch heads/RERERERETest

myfirstgithubbotlol bot deleted the `RERERERETest` branch 26 seconds ago [Restore branch](#)

**Labels**  
`needs review`

**Projects**  
None yet

**Milestone**  
No milestone

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

**Notifications** [Customize](#)  
[Unsubscribe](#)  
You're receiving notifications because you're watching this repository.

**1 participant**

[Lock conversation](#)

## 3. Prevent merging of pull requests with "WIP" in the title.

*Part 1:*

## Update README.md WIP #12

Edit <> Code

**Open** florianilaurence wants to merge 1 commit into `main` from `test1`

Conversation 0 Commits 1 Checks 0 Files changed 1

+2 -1



florianilaurence commented 6 minutes ago



No description provided.

Update README.md

Verified 00068a3



myfirstgithubbot bot commented 6 minutes ago



Your commit 00068a3 is pending

Add more commits by pushing to the `test1` branch on `florianilaurence/sandbox-my-first-bot`.



**Some checks haven't completed yet**  
1 pending check

[Hide all checks](#)

umons-bot-tutorial/WIP Pending

Reviewers



No reviews

Assignees



No one—assign yourself

Labels



None yet

Projects



None yet

Milestone




No milestone


Linked issues




Successfully merging this pull request may close these issues.


 **Open** Update README.md WIP #12  
florianilaurence wants to merge 1 commit into `main` from `test1`


Add more commits by pushing to the `test1` branch on [florianilaurence/sandbox-my-first-bot](#).




 **Some checks haven't completed yet** [Hide all checks](#)

1 pending check




 `umons-bot-tutorial/WIP` Pending












**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](#).




Write Preview


H B I         


Leave a comment

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

 Close pull request

Comment

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

 **ProTip!** Add comments to specific lines under [Files changed](#).

Milestone

No milestone


Linked issues

Successfully merging this pull request may close these issues.

None yet


Notifications


Customize

 Unsubscribe

You're receiving notifications because you're watching this repository.

1 participant



 Lock conversation

**Part 2:**

**Merged** Update README.md #12  
florianilaurence merged 1 commit into `main` from `test1` 5 minutes ago



**myfirstgithubbotlol** (bot) commented 5 minutes ago



Thank you for your contribution, florianilaurence  
Your pull request is now closed



**myfirstgithubbotlol** (bot) commented 5 minutes ago



Delete branch heads/test1



**myfirstgithubbotlol** (bot) deleted the `test1` branch 5 minutes ago

[Restore branch](#)



Write

Preview

H B I

Leave a comment

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



Comment

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

#### Linked issues



Successfully merging this pull request may close these issues.

None yet

#### Notifications

[Customize](#)

Unsubscribe

You're receiving notifications because you're watching this repository.

1 participant



Lock conversation