

Code Reviews

- Each team will perform the exercise (A) bellow.
- At the end, each group should make a short presentation (B) about the review performed.

In this class the students are going to use the GitHub system. About the source code, the teacher will explain.

- A.** Code Review exercise. The exercise should be repeated for at least two distinct team members.

Before starting the review:

- Create the required application code:
 - > mkdir projReview1
 - > cd projReview1
 - > projReview1> npm init -yes

Open *vscode* with project

> code .

Now follow the guidance given by the teacher (config and json files). Source code by you. Do not forget to run: > npm install

It is also possible to run commands in the *vscode* terminal.

- After the project have been finished, put the project under version control (git)
 - > git init
 - > . . .
-
- The team leader creates an organization on github and invites the other members, who must accept the invitation
- After that, the team leader creates a new repo at github and puts the chosen project (from all team members projects) project in it. All the other members should clone it

1. One student (called the author) introduces some change in the code.

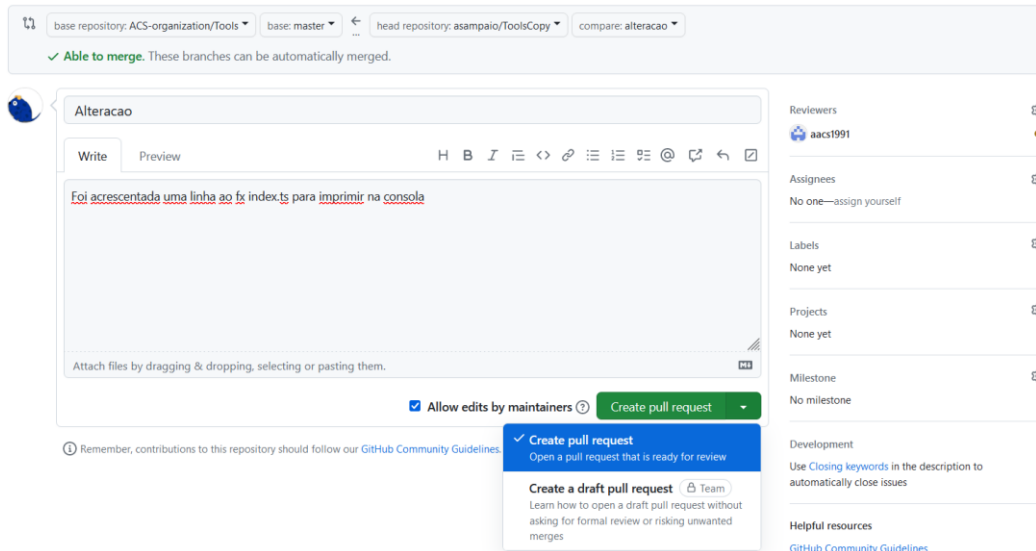
- Notes:
 - The code should include the respective(s) test(s)
 - Prepare the code for review
 - Who is going to review
 - See “Notes” in next steps

2. Create a “pull request”.

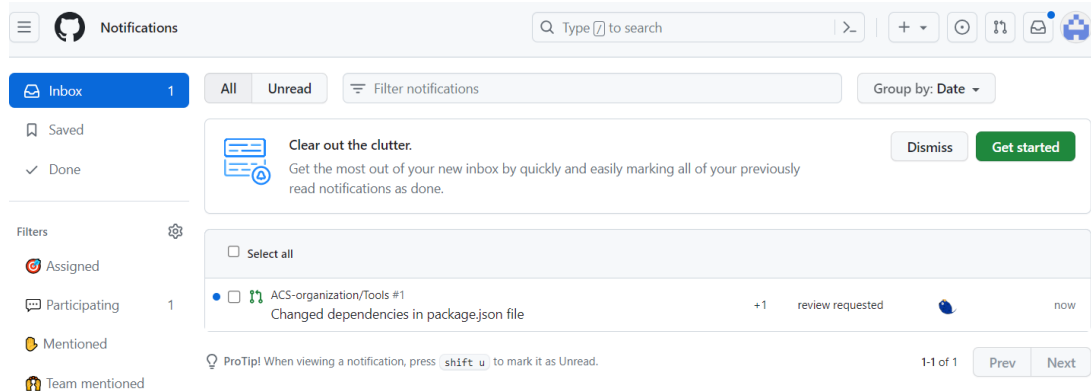
- Notes:
 - For this step and part of 1, you can follow:

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- <https://www.digitalocean.com/community/tutorials/how-to-create-a-pull-request-on-github> For now you can ignore the “update-local-repository” section
- Now it is time to move to the github site, where the author can create the required pull request. Before create the pull request, the author must invite other team members to review. In the example, another team member named aacs1991 is being invited to participate



aacs1991 member was invited to participate. So aacs1991 is notified. The second icon from the right at the top.

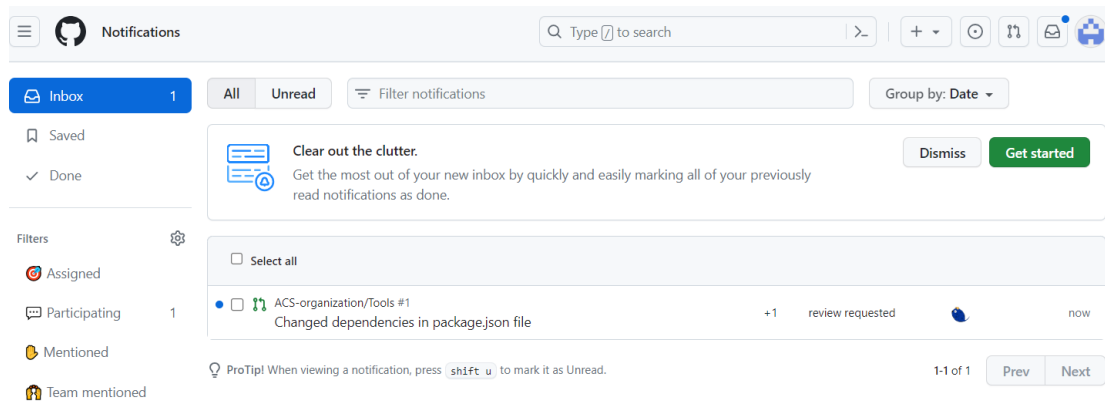


3. The reviewers review the changed code. Reviews should be made known to the author. Interaction with the author and among reviewers. If needed, author do some rework and return to step 1.

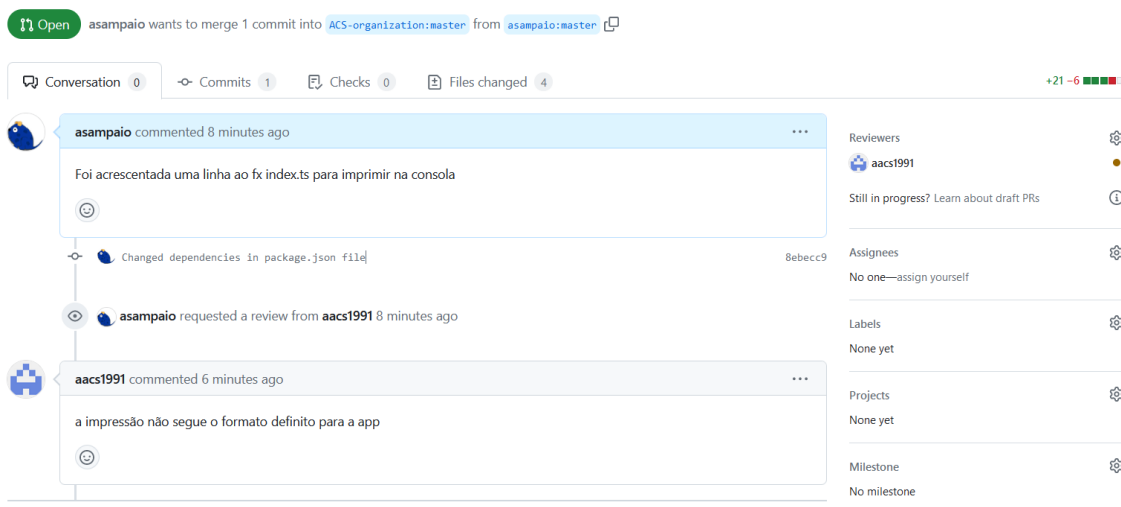
– Notes:

- Review should follow some guidelines (for example, a checklist)
- Each organization has its list of items to review. Here we will follow this: <https://google.github.io/eng-practices/review/reviewer/looking-for.html>

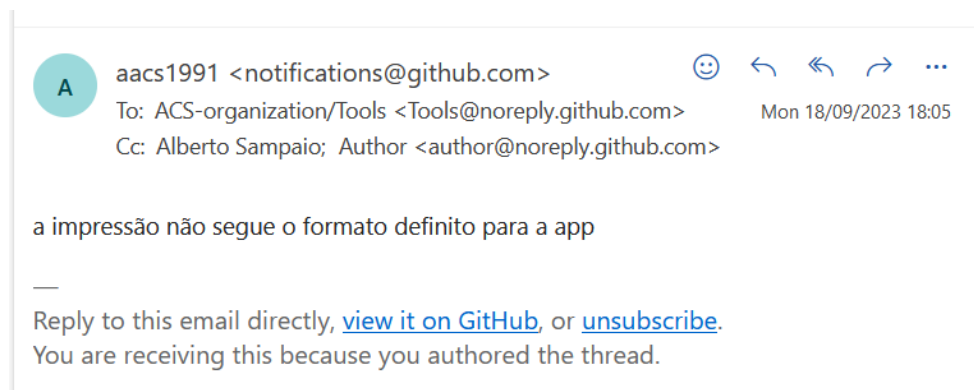
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aacs1991 made a comment. After that the comment will appear in asampaio's github page as can be seen.



Also, an e-mail message is sent to to asampaio.



The exchange of comments can continue...

4. Decision.

– Notes:

– Does the team know who decides?

5. After accept, return to the master (main) branch: `$ git checkout master`

Repeat the exercise using another team member as the author of changes.

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- B.** Time limit for each team presentation is 10 minutes.