

# Pull Requests

## What are Pull Requests?

The pull request is a fundamental component of collaborative development on GitHub. These tools smoothen up the process of proposing and integrating changes to a codebase in a structured manner. Pull requests are outlined in this document, along with their creation process and their role in facilitating code review and integration.

A pull request is a formal proposal to incorporate changes into a codebase. In this process, a branch is created from the main codebase, the desired changes are implemented on the branch, and the branch is subsequently merged back into the main codebase.

## 1.2 Creating a Pull Request

1. Navigate to the relevant repository.
2. Fork the repository. This will create a copy of that repository under your GitHub account. This can prevent the unwanted changes that developers might make in the main codebase.
3. Clone your fork to your local machine. Get the HTTPS link to your repository and run the git clone command in the terminal.
4. After cloning your fork to your local computer make a new branch so that the developer can start making changes to the code. Use the git checkout b command followed by the branch name.
5. Begin modifying files in your local repository. As the developer completes the changes, prepare them for commit. Stage them with the git add command followed by the names of the files that have been updated.
6. Once the changes are staged, commit those changes using the git commit command and add a message that describes the changes.
7. After the changes are stored locally, the developer can push them back to the main Git repository. This task requires running the git push command.
8. After the changes have been pushed to the GitHub repository, the developer can create a pull request. In the pull request form, the developer should select the branch you want to merge into (most probably the main branch of the original repository).

9. Once the branch is selected, the developer can click “Create pull request”. This will make your pull request open for other collaborators. They can review the pull request and decide whether or not to merge it into the main codebase.

## References

<https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/proposing-changes-to-your-work-with-pull-requests/about-pull-requests>

<https://docs.github.com/en/issues/planning-and-tracking-with-projects/learning-about-projects/about-projects>

<https://youtu.be/jRLGobWwA3Y?si=fB6LmNGoJ6jsinQV>

<https://youtu.be/lzpcyYlbHqE?si=ijZ6Zf1eOasbVt1h>

[https://youtu.be/yFQ-p6wMS\\_Y?si=0QZ4cXekFZkMrRu](https://youtu.be/yFQ-p6wMS_Y?si=0QZ4cXekFZkMrRu)