

TECHNOLOGY



Coding Bootcamp

TECHNOLOGY



Git

Pull Requests



Learning Objectives

By the end of this lesson, you will be able to:

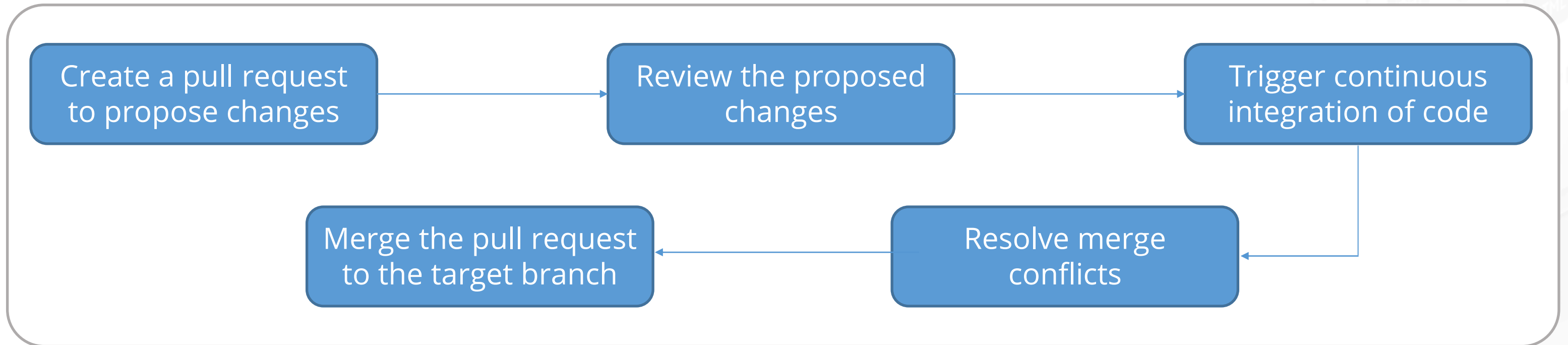
- 🕒 Create a pull request in Git for merging the local changes into a remote Git repository
- 🕒 Utilize Git tools and platforms like GitHub to review and manage pull requests effectively
- 🕒 Assess the criteria for accepting and rejecting pull requests to ensure code quality and maintain the project standards



Creating a Pull Request

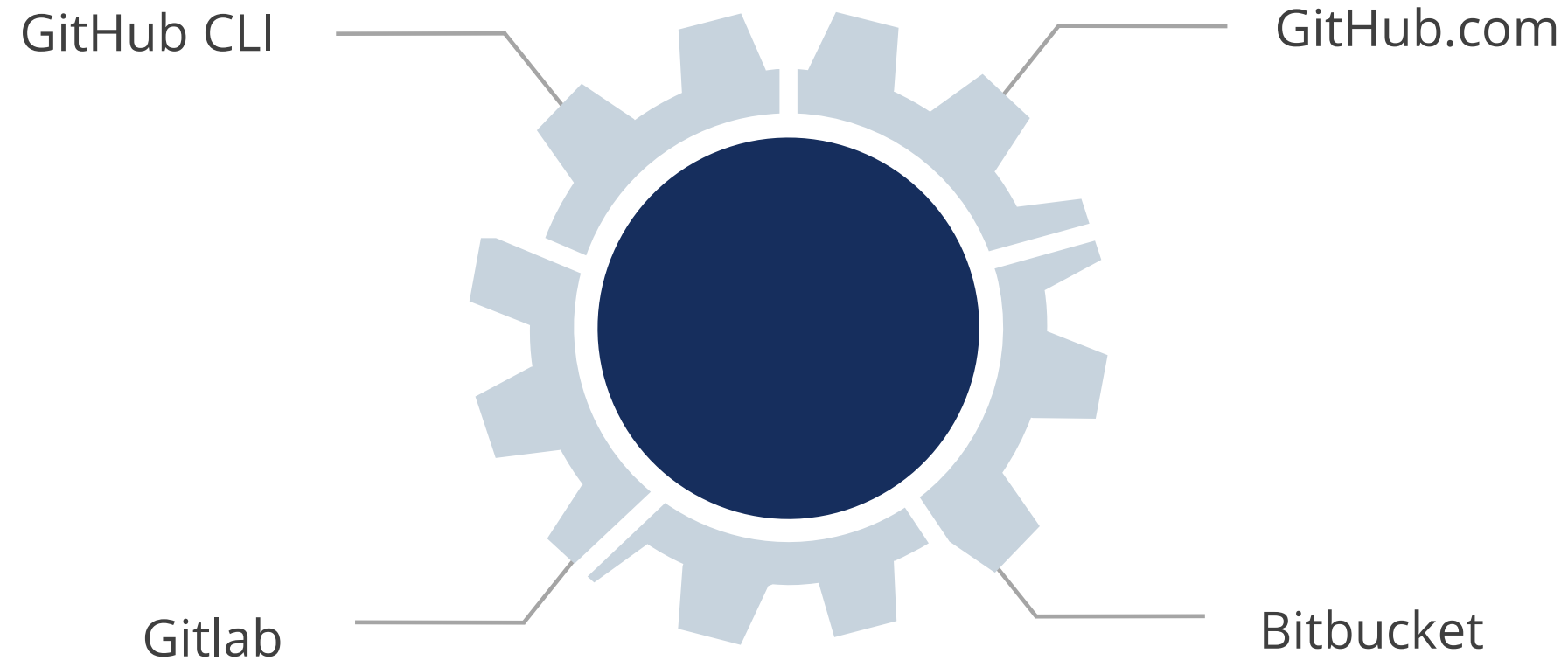
What Is a Pull Request?

A pull request in Git is a method used to propose changes made to a codebase and request that they be merged into another branch, typically the main or master branch.



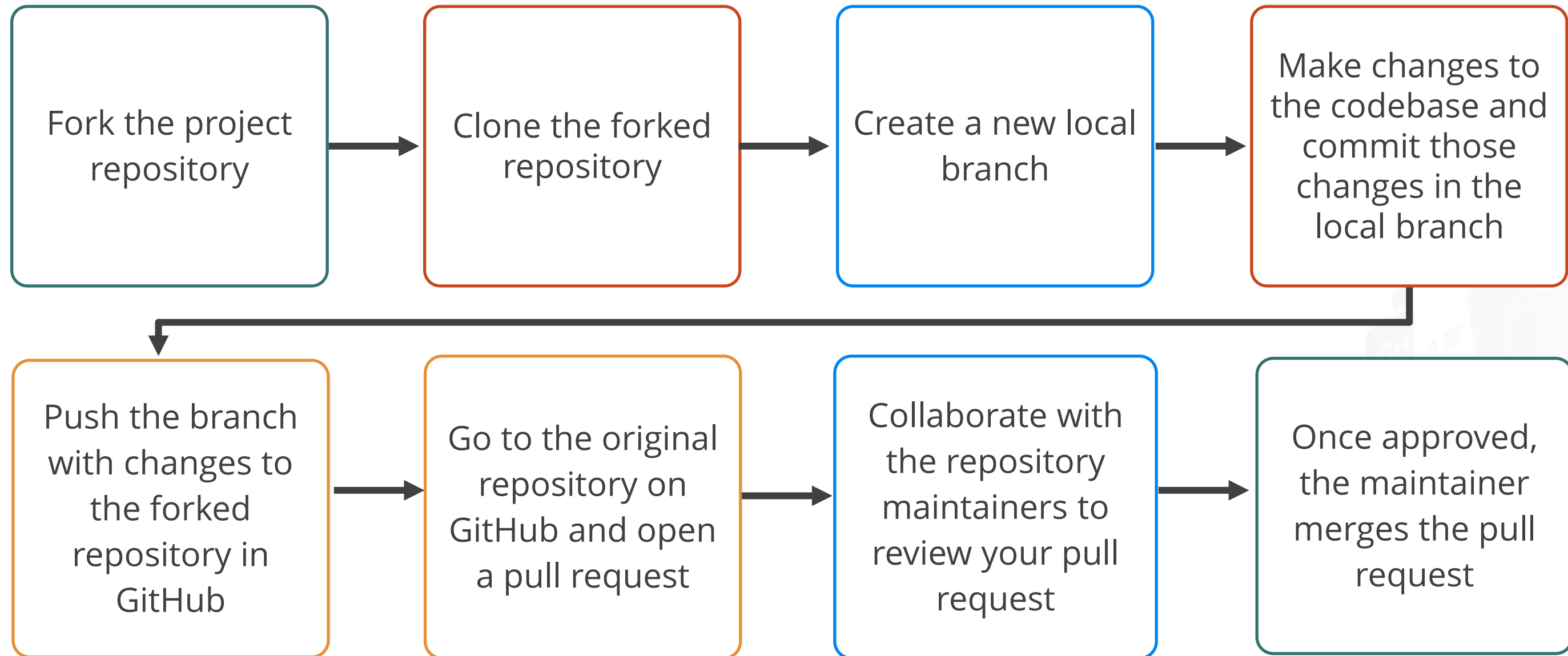
What Is a Pull Request?

Pull requests are commonly used in collaborative environments, particularly in platforms like:



Creating a Pull Request

The following are the steps to create a pull request:



Creating a Pull Request in Git



Duration: 15 Min.

Problem Statement:

You have been assigned a task to create a pull request for merging the local changes into a remote Git repository.

Outcome:

By completing this task, you will be able to create a pull request for merging local changes into a remote Git repository by creating a fork, cloning it, syncing with the original repository, pushing changes, and creating a pull request.

Note: Refer to the demo document for detailed steps:
01_Creating_a_Pull_Request_in_Git

ASSISTED PRACTICE

Assisted Practice: Guidelines

Steps to be followed:

1. Create a fork
2. Clone the fork
3. Sync the fork with the original repository
4. Push changes to the GitHub fork
5. Create a pull request

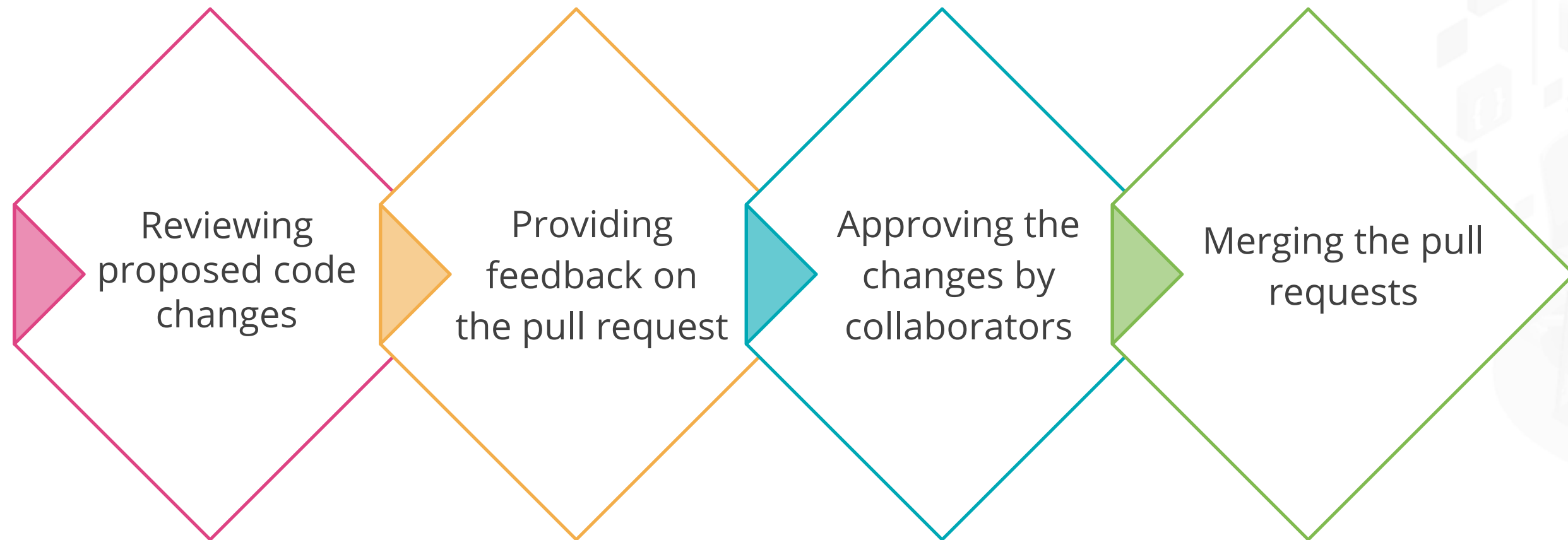


Accepting a Pull Request

Accepting a Pull Request

Accepting a pull request is the process by which proposed changes to a codebase are reviewed, discussed, and ultimately integrated into the main branch of the project.

This process typically involves several steps:



Rejecting a Pull Request

Rejecting a Pull Request

Rejecting a pull request means that the proposed changes to a codebase are not accepted for integration into the main branch of the project.

Reasons for rejecting a pull request:

Code quality issues

Incompatibility of changes with the existing one

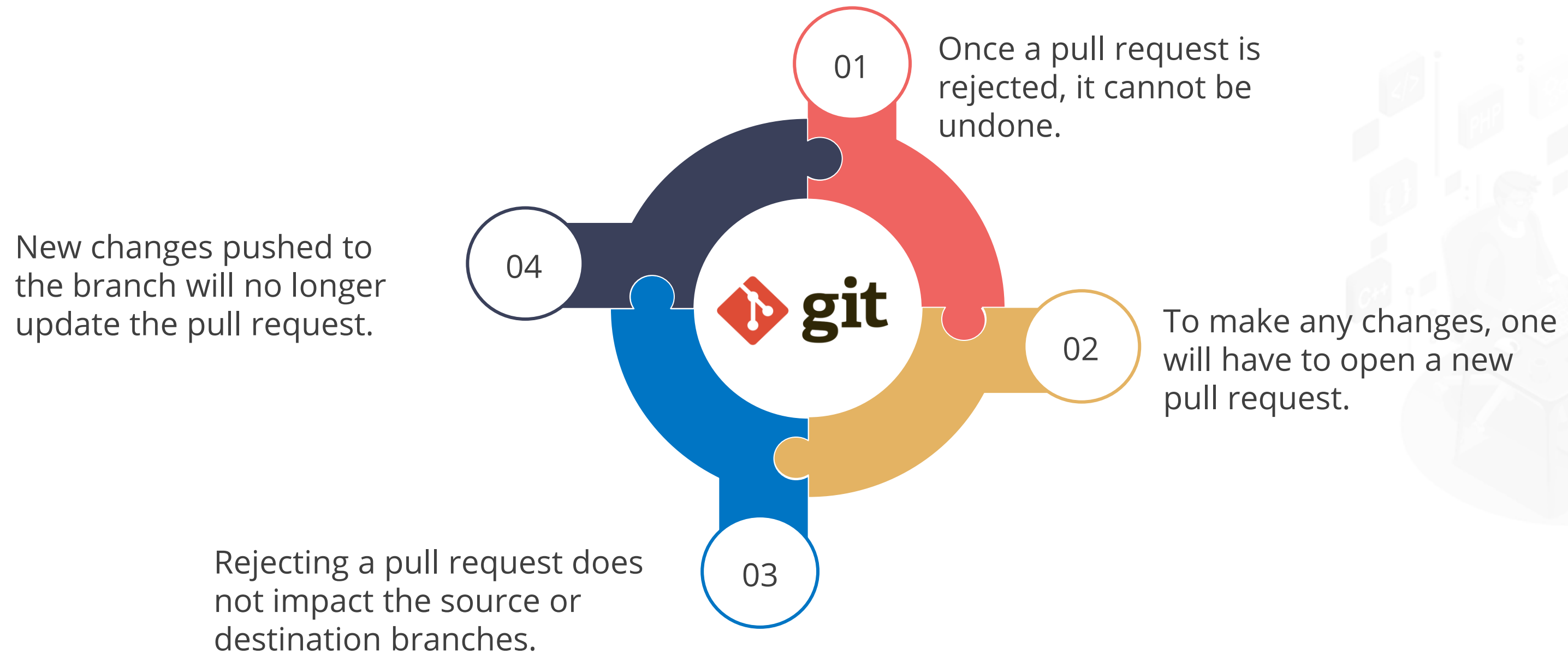
Unnecessary or out of scope changes

Insufficient testing or documentation

Incompatibility with the architecture

Rejecting a Pull Request

Below are the critical aspects and consequences of rejecting a pull request:



Key Takeaways

- A pull request in Git is a method used to propose changes made to a codebase and request that they be merged into another branch.
- Accepting a pull request is the process by which proposed changes to a codebase are reviewed, discussed, and ultimately integrated into the main branch of the project.
- Repository admins can demand that all pull requests be authorized before they are merged.
- Pull requests can be assigned to someone individually by repository owners and contributors.
- Once a pull request is rejected, it cannot be undone.



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Thank You