
Lanka Education and Research Network

LEARN

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Deepthi Gunasekara / LEARN

What is GitHub

- ❖ Open-source version control system, created by Linus Trovalds
- ❖ Version Control System
- ❖ Help to track of changes made on a file
- ❖ Major difference between Git and GitHub is that:
 - ✓ Git is the core technology that GitHub, the social and user interface, is built on top of
 - ✓ GitHub is a web GUI and a version control system service that works on a GIT technology to help achieve version control



Terminologies of Github

- ❖ Repository :
 - ✓ Usually abbreviated as “REPO”
 - ✓ A location where all the files for a particular project is stored

- ❖ Branch:
 - ✓ “Branch off” of the main project with their own versions of the changes

- ❖ Forking:
 - ✓ The creation of a new project based on another project that already exists

- ❖ Pull Request:
 - ✓ Refers to fetching “in” changes and merge them; once the pull request is sent, interested parties can review the set of changes made and even push to follow up commit

Terminologies of Github

❖ Push:

- ✓ Sending the committed changes to a remote repo . If changes are made locally, they need to be “push”ed so that others may access them

❖ Commit:

- ✓ Idea of taking a snapshot of the repository, giving a checkpoint to which can be re-evaluate or restore the projects to any previous state

❖ Clone:

- ✓ Process of creating a local copy of the code/project

❖ Merge:

- ✓ The commits are combined into one commit and merged into default branch

Terminologies of Github

❖ Contributor:

- ✓ Someone who contributed to a project by having a pull request merged but does not have collaborator access

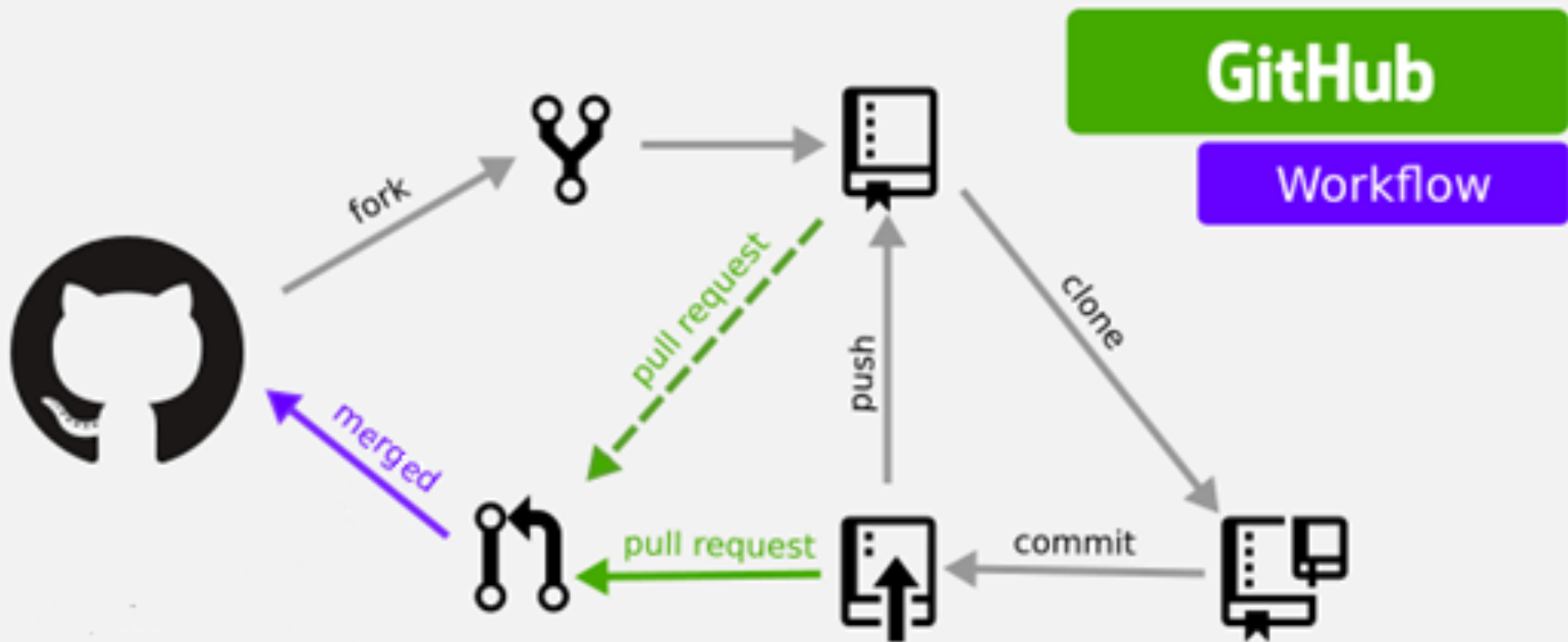
❖ User: users are personal GitHub accounts.

- ✓ Each user has a personal profile, and can own multiple repos, public or private.

❖ Changelogs:

- ✓ GitHub that keeps tracks of all changes that as been made on a project pushed to the repository

GitHub workflow....



Is GitHub only for code?

GitHub isn't just a place to share code. It's a chance to do something bigger. On GitHub, you can shape the future of software, work with the best developers in the world, and grow the skills and help others.

Why should we have a GitHub account?

With a personal account on GitHub, **you can import or create repositories, collaborate with others, and connect with the GitHub community.**

How to use Github – Hands-On exercises

- First, Let's create a Github account for you
- Then, Let's get familiar account “Git”

