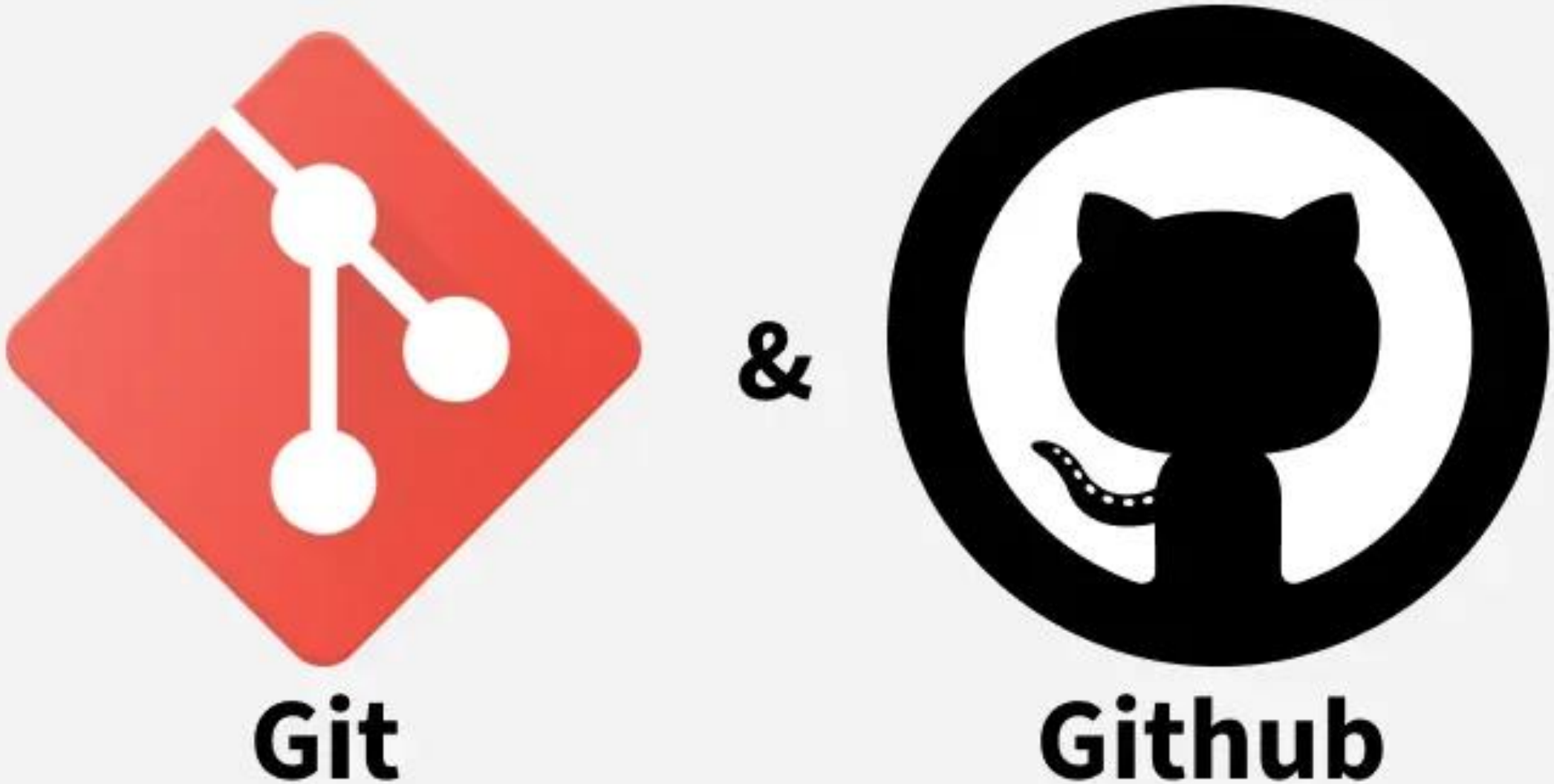
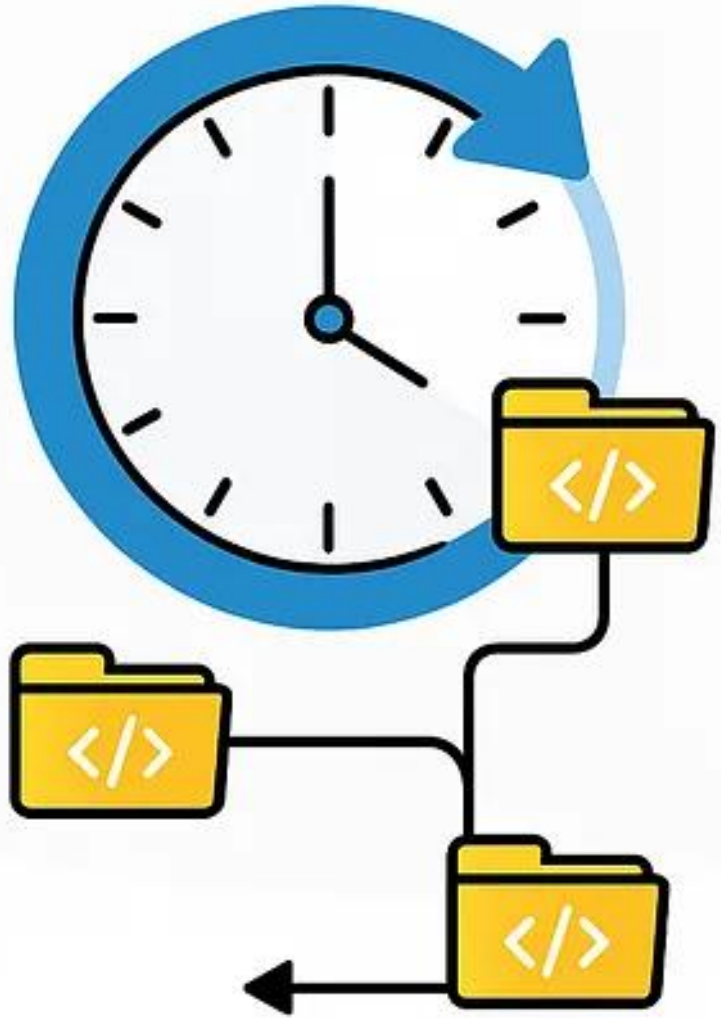

&
Git
Github



What is Git?

Git is a version control system – and that means it helps you track changes to your code over time.

Think of it like a time machine for your project. You can go back to previous versions, compare changes, or even create multiple versions of your code using branches.

But Git isn't just storing your files like a backup tool. It's keeping track of the differences – what changed, who changed it, and when.

Git is a **version control system** — a tool that helps you **track changes** in your code (or any files) over time.

- Think of Git as a **history tracker** for your projects:
- It records every change you make.
- It allows you to **go back** to an earlier version if something breaks.
- It helps multiple people **collaborate** on the same project without overwriting each other's work.

Example:

If you're building a website and accidentally break it while adding new features, Git lets you easily return to the last working version.

GitHub is a **platform (website)** that hosts Git repositories **online**.

- While Git works **on your computer**, GitHub allows you to:
- **Store** your Git projects in the cloud.
- **Share** them with others.
- **Collaborate** using tools like issues, pull requests, and branches.

Example:

You build a project on your laptop using Git, then upload (push) it to **GitHub** so your teammates can access, review, and contribute to it.

Git

First developed in 2005

Git is installed and maintained on your local system (rather than in the cloud)

One thing that really sets Git apart is its branching model

Git is a high quality version control system

VS.

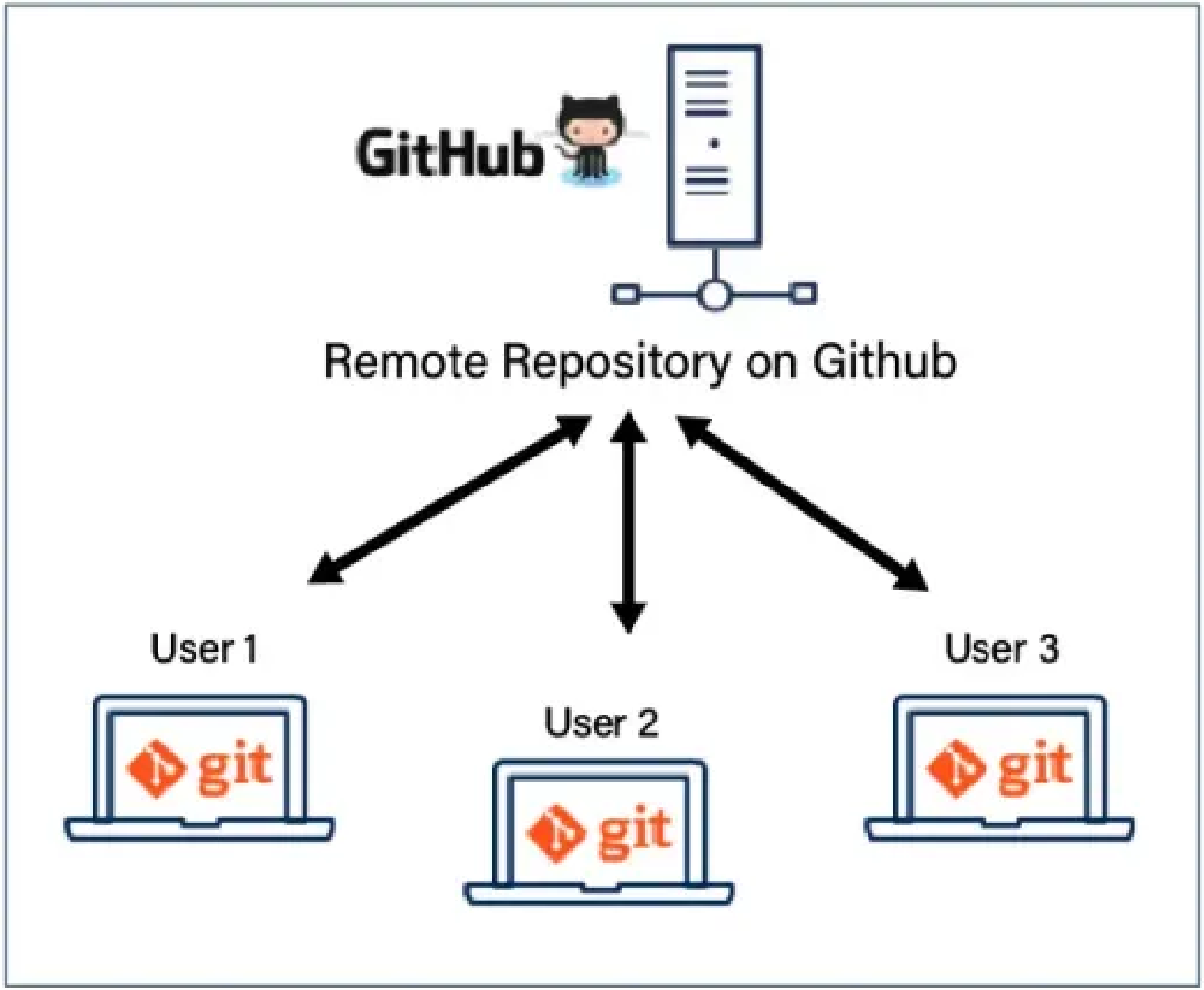
GitHub

GitHub is designed as a Git repository hosting service

GitHub is exclusively cloud-based

You can share your code with others, giving them the power to make revisions or edits

GitHub is a cloud-based hosting service


GitHub
Remote Repository on Github
User 1
User 2
User 3
git
git
git

	
1. It is a software	1. It is a service
2. It is installed locally on the system	2. It is hosted on Web
3. It is a command line tool	3. It provides a graphical interface
4. It is a tool to manage different versions of edits, made to files in a git repository	4. It is a space to upload a copy of the **Git** repository
5. It provides functionalities like Version Control System Source Code Management	5. It provides functionalities of Git like VCS, Source Code Management as well as adding few of its own features

What is GitHub Desktop?

GitHub Desktop is a free desktop application that makes it easier to use Git and GitHub — without typing any commands.

GitHub Desktop is a graphical version of Git.Instead of using the command line (like git commit, git push), you can click buttons to do the same actions.