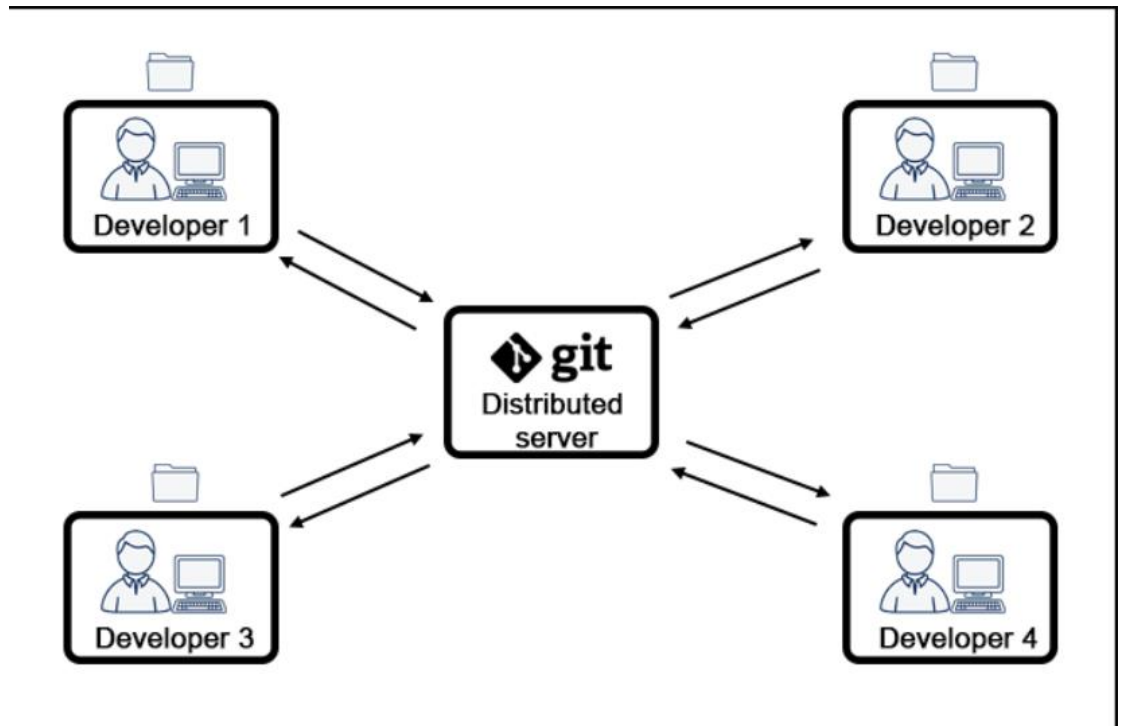


WHAT is GIT :-(“Global Information Tracker,”)

Git is a DevOps tool used for source code management. It is a free and open-source version control system used to handle small to very large projects efficiently.

WHY IT Used :-

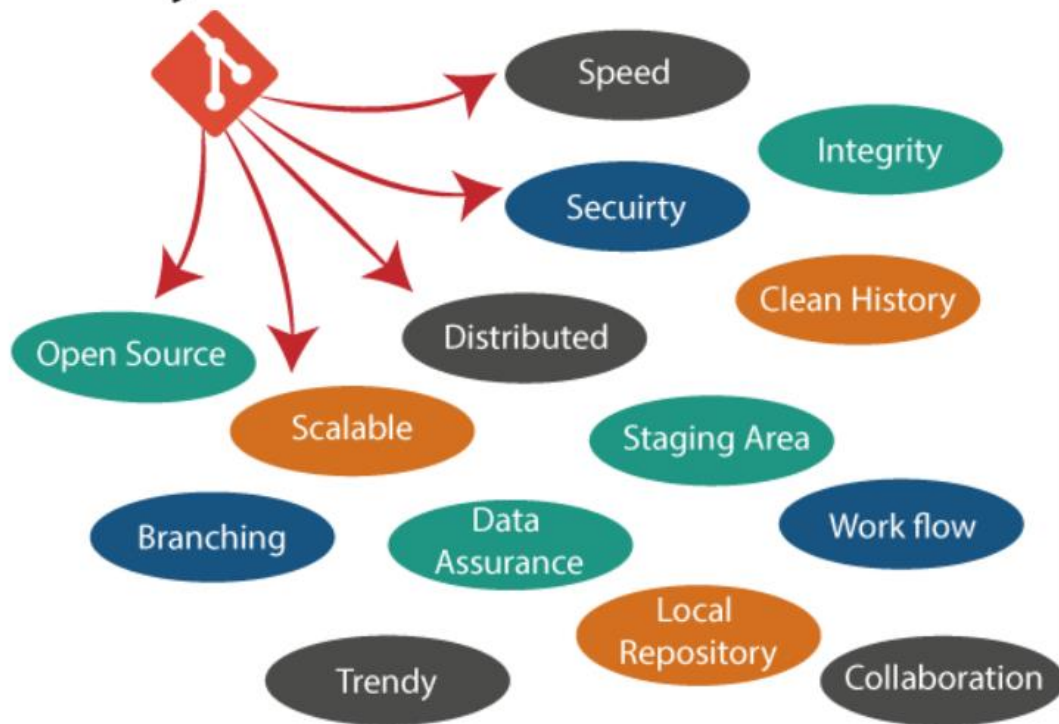
Git is used to tracking changes in the source code, enabling multiple developers to work together on non-linear development.



What is the main objective of Git?:-

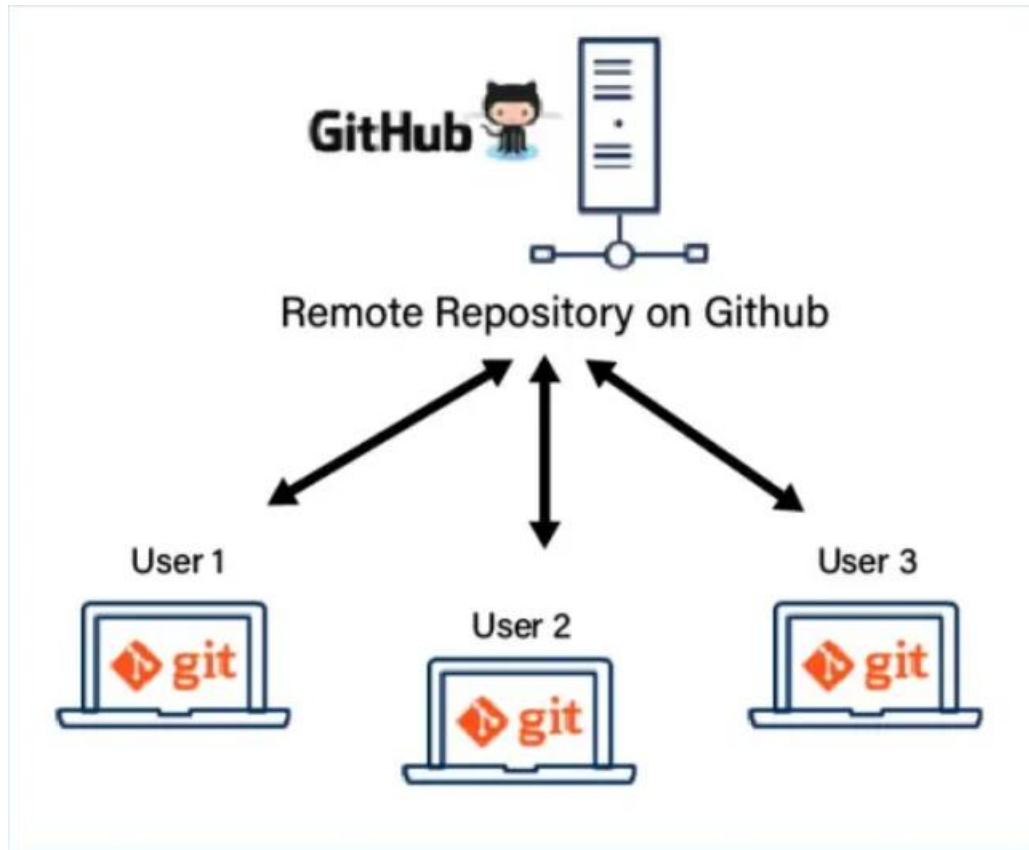
The main objectives of Git are speed, data integrity, and support for distributed, non-linear workflows. GitHub is a Git repository hosting service, plus it adds many of its own features.

Why Git?



What is GitHub ?



GitHub is an [online software development platform](#). It's used for storing, tracking, and collaborating on software projects



why it is used?

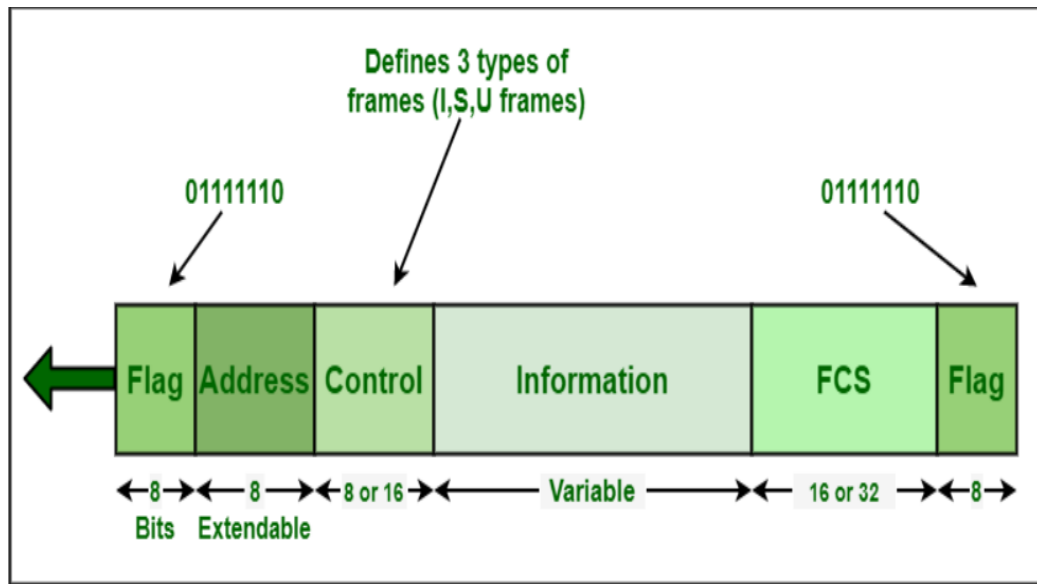
. It makes it easy for developers to share code files and collaborate with fellow developers on open-source projects

What is Git & Github

 GITHUB	VS	 GIT
1 GitHub is a service		1 Git is a software
2 GitHub is a graphical user interface		2 Git is a command-line tool
3 GitHub is hosted on the web		3 Git is installed locally on the system
4 GitHub is maintained by Microsoft		4 Git is maintained by linux
5 GitHub is focused on centralized source code hosting		5 Git is focused on version control and code sharing
6 GitHub is a hosting service for Git repositories		6 Git is a version control system to manage source code history

HDLC?

- HDLC stands for **High-level Data Link Control**, and it's a set of protocols that govern how data is transmitted between network points, also called nodes.
- HDLC is a bit-oriented protocol that's created by the International Organization for Standardization (ISO). I
- it's commonly used in computer networks to ensure data integrity, framing, flow management, and error detection.



Basic Frame Structure

what is Waterfall methodology ?

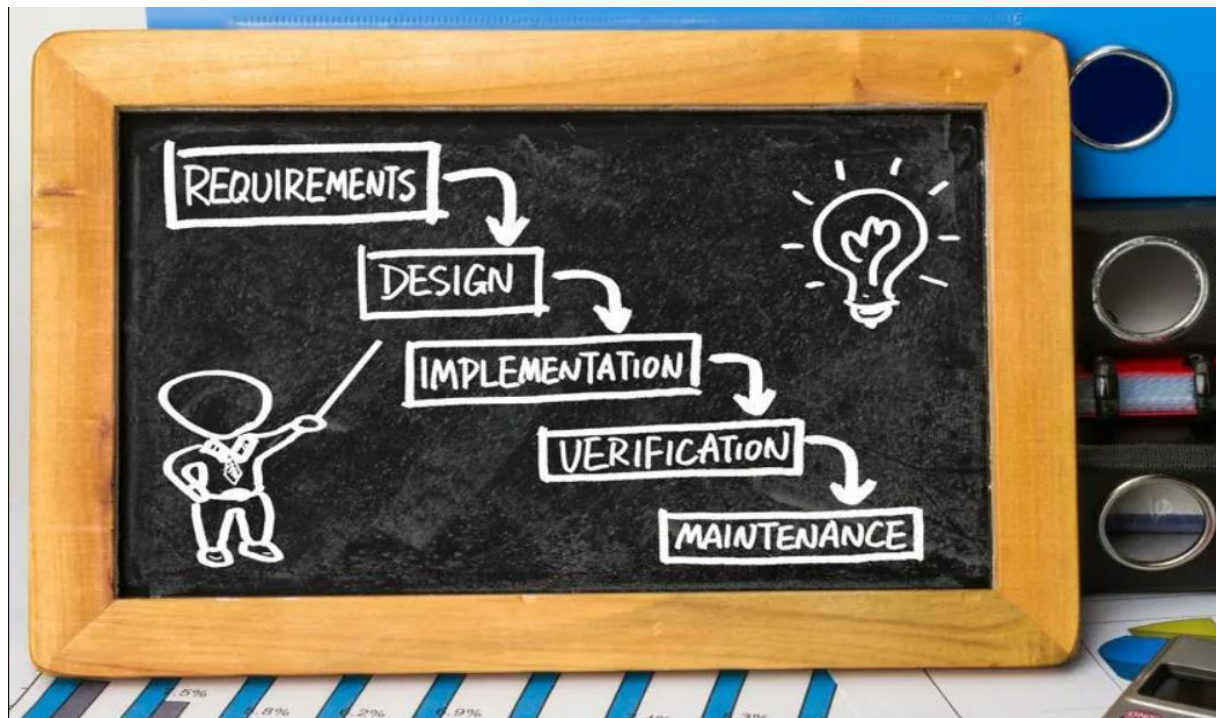
Waterfall methodology is a widely used project management method with a linear approach.

In Waterfall, each stage of the workflow needs to be completed before moving on to the next step.

While there are various types of project management methodologies,

Waterfall is well suited for projects where the objectives are clearly outlined from the beginning.

This article covers how Waterfall works, what projects the methodology is best suited for and how it compares with Agile, another project management method.



what is Agile methodology?

Agile methodology is a project management framework that breaks projects down into phases, called sprints.

It's an iterative approach that encourages collaboration and continuous improvement.

Agile methodology is often used in software development because software is constantly changing, and Agile teams can quickly shift strategies without disrupting the flow of the project

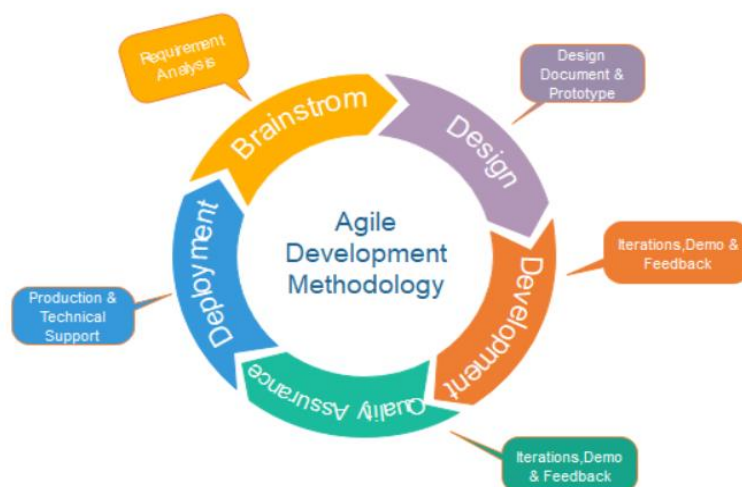


Fig. Agile Model

