

Git VS GitHub

What is Git?



Git is a version control system that means a way to track all the new changes that are being done in the project which is been placed in the central repository. Imagine you have replaced some piece of code and the new one is not working for any reason. There's the point when Git comes into the picture, using this version control you can roll back to your previous version.

But this isn't the only work of Git, it is more than that. Git allows multiple people to collaborate and contribute in the same project at the same time.

This makes the multiple developers work together in a team, which is very efficient way of working. It saves time, conflicts and keeps all the things bound together with great documentation of all the commits done by different developers.

Git takes a snapshot of all files whenever we create a new commit. Every developer contributing to a project always has a copy of the whole repository on their machine. So, we can commit to the Git file system also in offline mode.

In order to use Git, you will need to install GitBash on your computer. Once you have it, you can work with Git on the terminal.

```
C:\Users\GlobalLogic>git version
git version 2.37.0.windows.1

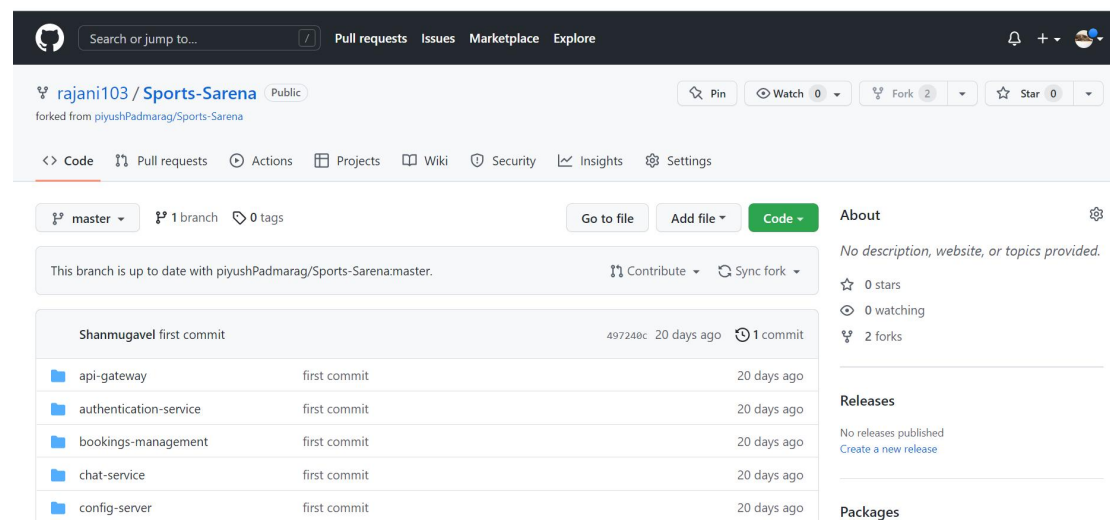
C:\Users\GlobalLogic>
```

What is GitHub

GitHub is a cloud-based Git repository hosting service, similar to Dropbox or Google Drive. It lets individuals and teams host their projects, work together on projects.

GitHub works with Git to add more functionality. For example, store these Git repositories on their servers.

GitHub gives a platform to use Git. It is a kind of source tree in a way that allows you to interact with Git in a more user-friendly way.



Difference between Git and GitHub

Git	GitHub
It is a software.	It is a service.
It is a distributed version-control system for tracking changes in source code during software development.	It provides hosting for software development and version control using Git.
It is installed locally on a system.	It is hosted in the cloud.
It is a high quality version control system.	It is a cloud based hosting service.
It is a command-line tool.	It comes with an easy to use intuitive UI.
Free and open source.	Free and pay for use.
First released in 2005.	Launched in the year 2018.
It focused on version control and code sharing.	It focused on centralized source code hosting.