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# 1-Why use Version Control System

Version control is a system that records changes to a file or set of files over time so that you can recal specific versions later. A VCS allows you to revert files back to a previous state, revert the entire project back to a previous state, review changes made over time, see who last modified something that might be causing a problem, who introduce an issue and when. Using VCS also means that if you screw things up or lose files, you can generally recover easly.

# 2-What are Git and GitHub

In computer programing, a distributed revision control (DRC) offers multiple developers to work on a given project without requiring them to share a common network. So, in simple words, Git is a distributed revision control.

Consider this example:your client asks you to remove a feature, let’s call it “Feature-X”. How will a developer remove the code of “Feature-X” from code base safely?

Using branches is the solution to the above mentioned common development problem. Although, Git wasn’t the first version control system (VCS) that introduce the concept of branching, it is the first that makes it user fiendly.

GitHub is a web-based Git repository hosting service, which offers all the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features. It provide access control and several collaboration features such as bug tracking, feature requests, task management, and wikis for every project.

# 3-Basic Git Commands