Version control is the task of keeping a software’s versions organized and consistent. A benefit of keeping an organized version log is to help track down errors that may arise during development, as well as keep the team focused and informed. A common way of ensuring good version control is by using a VCS. A VCS acts as a central place to keep track of file versions using a server. This allows the team to interact with the server, instead of trying to send and receive file versions from each team member individually. A VCS also acts as a public ledger, tracking when and who made a change. This has many advantages, including tracking down bugs and unnecessary code, or even reducing the risk of any unauthorized or malicious being included.

Git’s commit command is extremely common for good reason. It functions as both a confirmation check, to make sure the files are ready for upload, and as a way to force the user to input a message. Messages are extremely important in version control because they keep the file history organized. An example of this command would be: git commit -m “Fixed file save error.”