What is Version Control?

Version Control is a system that allows a developer or a team of developers be able to track the history of changes made to their project, when the changes were made, who made the changes and why the changes were made.

One major benefit of version control is that it gives every member a team a consistent view of the project and a transparency of changes in project history that helps team members stay aligned and focused while working independently from different locations across the world.

For example let’s say we have a team of developers that are already actively working together on a project and a new member were to join the team months into project development, with the use of version control, this new team member will be able to access old codes and see all the changes that have been made who made them, when they were made and know why these changes were made so as to be fully aware of how much progress has been made in the project development and will be able to follow up and work more in better sync with the team.

Git is the most common version control system in use today and to make and implement these changes specific commands are used to add new lines of code or remove old lines of code and to push the change to the central repository on Github so that every team member with access to the repository will be able to see what changes have been made. To use a Git command the word “git” must be used before giving the command in other for the command to be carried out and example is “git add”, this tracks the change that has been made to the developer’s code and is necessary to stage the changes in order to include them in the project history.