**What is Git and Why do we use it**

Git is a distributed version control system. This means that every developer working on a project has a complete copy of the project`s history in their own computer or even in some cases phone. With seeing a full history you can:

* Track changes, exactly who, when and how redacted a project
* Revert to previous versions, so if anything bad happens, you have an easy backup
* Collaborate effectively, multiple people can work in the same project without overwriting each other`s changes

**Key Git actions and commands are:**

* Git init : Initializes a new Git repository
* Git add <file> : Adds a file to the staging area
* Git commit -m “Commit message” : Commits the staged changes to the repository
* Git log : Shows the commit history
* Git branch : Creates a new branch
* Git checkout : Switches to the specified branch
* Git merge : Merges the specified branch into the current one
* Git push origin : Pushes the current branch to a remote repository named “origin”
* Git pull origin : Pulls changes from a remote repository named “origin” and merges them into the current branch