Master of Engineering in Internetworking

Lab # 6

Git

INWK 6312

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later.

What is Git? •
 Git is a distributed version control system, developed by Linus Torvalds (of Linux kernel fame).

– Version Control System: Something that keeps track of the changes made to files (commit)

– Distributed: Everyone has a copy (clone) of the git repository

 – So, a Distributed Version Control System allows you to have a copy of the complete development history of the project on your local workstation (i.e., all changes ever made in the history of the project are in on your computer!!).

• This means that at any moment you can go back to the state of the project as it existed at any other point in time. (reset)

 • Because of the distributed nature of git (i.e., everyone has a repository clone on their computer), they can develop locally and, when ready, send (push) those changes to the global repository (i.e., to the server).

What is GitHub?
GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

GitHub Tutorial
https://guides.github.com/activities/hello-world/

To complete this tutorial, you need a GitHub.com account and Internet access.