Git-github

important notes :

git :

-Distributed version control system

-free and open source

-u can use git with other options mngher github

-git has GUI=you can use it with the mouse without commandes (it’s better to use the commandes instead)

Github :

-source for project and sources

-it simplifies using git

Why should i use or learn git ?:

-DEVS(me and the grp) contribute to the same project

-you can revert changes

-you can collaborate to fix issues and to create new features

-you can solve conflicts

-you can organise features

Git workflow :

-Clone the repo

-create a new branch

-switch branch

-pull /push requests

-delete a branch

Git commands :

STAGE & SNAPSHOT

Working with snapshots and the Git staging area

git statusshow modified files in working directory, staged for your next commit

git add [file]add a file as it looks now to your next commit (stage)

git reset [file]unstage a file while retaining the changes in working directory

git diffdiff of what is changed but not staged

git diff --stageddiff of what is staged but not yet committed

git commit -m “[descriptive message]”commit your staged content as a new commit snapshot

SETUP

Configuring user information used across all local repositories

git config --global user.name “[firstname lastname]”set a name that is identifiable for credit when review version history

git config --global user.email “[valid-email]”set an email address that will be associated with each history marker

git config --global color.ui autoset automatic command line coloring for Git for easy reviewing

SETUP & INIT

Configuring user information, initializing and cloning repositories

git initinitialize an existing directory as a Git repository

git clone [url]retrieve an entire repository from a hosted location via

URLBRANCH & MERGE

Isolating work in branches, changing context, and integrating changes

git branchlist your branches. a \* will appear next to the currently active branch

git branch [branch-name]create a new branch at the current commit

git checkoutswitch to another branch and check it out into your working directory

git merge [branch]merge the specified branch’s history into the current one

git logshow all commits in the current branch’s history