Propulsion pre course work

SUE

# Unit 1 – Git

## Change directory, initialize repository

Changing a directory where there is a space in the file name:

* Either add quotes or escape the space
  + Cd “file name”
  + Cd file\ name

Steffi Uhlemann@Jan-THINK MINGW64 ~ (master)

$ cd "/c/Users/Steffi Uhlemann/Documents/git"

Steffi Uhlemann@Jan-THINK MINGW64 ~/Documents/git (master)

$ git init

Initialized empty Git repository in C:/Users/Steffi Uhlemann/Documents/git/.git/

ACHTUNG:

* Case sensitive!
* Full filename and extension needed

## Staging and Committing Files

Staging

git add is a multipurpose command — you use it to begin tracking new files, to stage files, and to do other things like marking merge-conflicted files as resolved. It may be helpful to think of it more as “add precisely this content to the next commit” rather than “add this file to the project”

## Committing

Need to understand this better.

When (what is good practice) do I stage and commit in a collaboration?

## Writing into a file

When echoing something to a file, >> appends to the file and > overwrites the file.

$ echo ‘string to be written’ >> Readme.txt # this will add the line to the end of the content in Readme

$ echo ‘string to be written’ > Readme.txt # this will overwrite all content in Readme

BUT: this only adds them one after the other with no line break! How to add specific location of the string?

## Deleting a repository (local, after init)

rm -rf .git

beware of being in the right directory when doing so!!!

## Open Questions

When I start, how do I find out if a certain directory is part of a git repository?

If I leave my work/modification of files without staging and committing them (but saving them and then shutting down), how will the files be seen at start of next working session (modified?)?

Do I need to „close “ a project at some point?

Is there any way to short cut the typing of file names and paths?

What happens when a file gets renamed by a user? Is git able to track it still to other versions with the original name?

Gitignore: couldn’t get \*~ and \*.tmp working. The latter produced a hugh output in the console; as if the system identified also files in the parent directory to the cd

Git diff - - cached seems to not be a valid command anymore; only - -staged works

What does - m in the commit command really mean?