

shared git instructions

Flo

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1 General Note

The git repository <https://github.com/cfuselli/Nikhef-Project-2021> will be used as our shared git repository for the project.

The working mode (so far, up for discussion of course!) is:
Always work in your own branch. Create a pull request to merge with the main branch if the code is ready to be used without **ANY** errors or bugs by everyone!
Any pull request will need to be reviewed but one other person before it can be merged.

If in doubt, ask. Dont press any buttons.
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2 How to git this git

1. go to your preferred working directory (maybe somethign which is not syncing with some cloud...
2. clone the git repo to your local machine:
`git clone https://github.com/cfuselli/Nikhef-Project-2021`

3 How to work (using branches)

The daily coding life then works as following:

1. move the folder `Nikhef-Project-2021`
2. ensure that you are on the main branch
`git status`
3. sync your local stuff with the main repo
`git pull`
4. create your own local branch
`git checkout -b <your_branch_name>`
5. publish your branch to the git project
(if you havent authenticated in your terminal it will ask you for your git username and password. eventually it will send you a reminder that git will switch to 2-factor verification)

but that another story...)
`git push -u origin <your_branch_name>`

6. do your work
for testing e.g. make a file and write something to it
`touch test.md`
`echo hello > test.md`
7. stage the file change(s)
`git add test.md`
8. write a meaningful commit message including your handle (e.g. handle for Enrico Fermi `-ef`)
`git commit -m "a meaningful commit message -yourhandle"`
9. push it
`git push`
10. open a pull request (easiest in the browser) and mention someone (@githandle eg. @haslbeck or @cfuselli) to review and eventually accept it for merge
11. merge

4 more fun with branches

- switch between branches
`git checkout <branch>`
- delete your local branch
`git branch -d <branchname>`
- delete the remote branch
`git push origin :<branchname>`

And last but not least the website where I stole the commands from:
<https://gist.github.com/cferdinandi/ef665330286fd5d7127d>