

Git

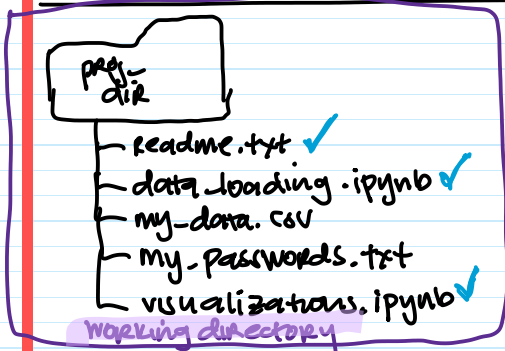
Thursday, August 17, 2023 9:11 AM

final presentation - 1.pdf
 final-pres - 2.pdf
 final-pres - final.pdf
 final-pres - final - credits.pdf

} git



git --version
 windows: git bash 4.3.



① Initialize the Repository

(git init)

① ADD files of interest
 (files that have changed)
 to the STAGING AREA

② COMMIT changes
 (does the versioning)

Initialize → git init if don't have a .git folder in WD
 → git clone } collaboration of Git

① start doing whatever work

→ visualizations.ipynb
 → data_loading.ipynb
 → readme.txt

② ADD files to staging area
 git add readme.txt

git add visualizations.ipynb data_loading.ipynb

③ COMMIT

git commit -m "updated Readme to reflect participants"

git commit -m "Refined visuals & data loading"

COMMIT } unit of work (part of an issue)

Issue = 1 - (3-4) commits

↑
 super small
 Readme

Graphical

working
 dir
 (files)

live
 changes

file 1
 file 2
 ...

STAGING
 AREA

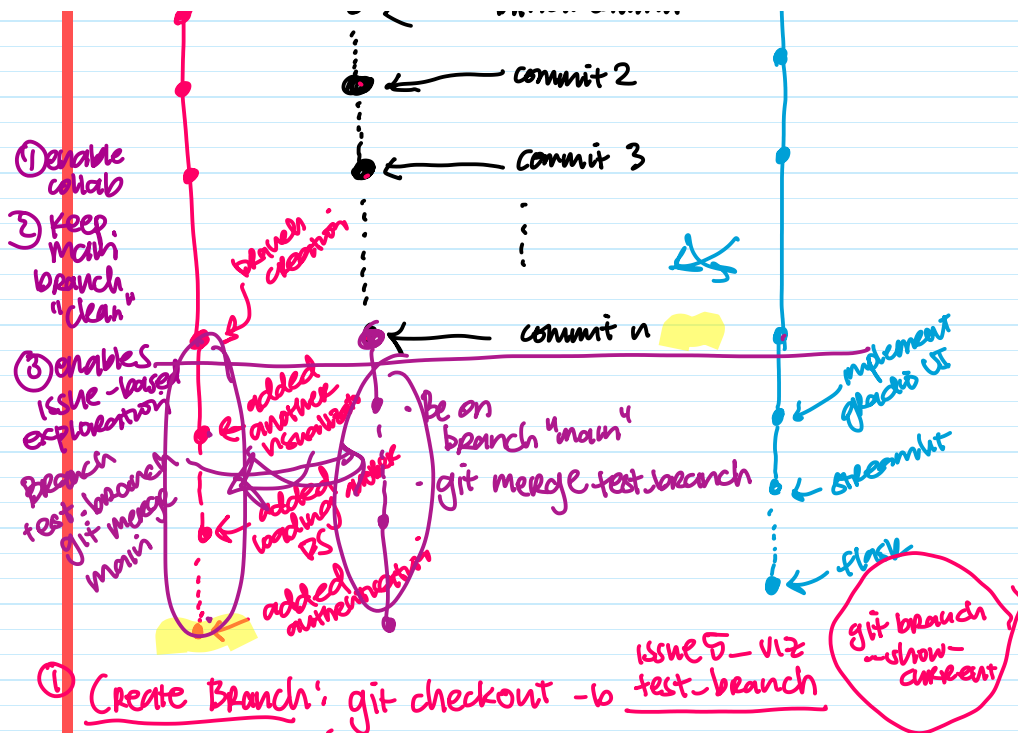
git commit -m
 "message reflecting changes"

Branching & Merging

test_branch main

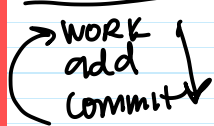
initial commit

vi_branch



① Create Branch: `git checkout -b test-branch`
 git status

② Back to same dir:



doing this on test-branch

③ get onto main (switch to main branch)

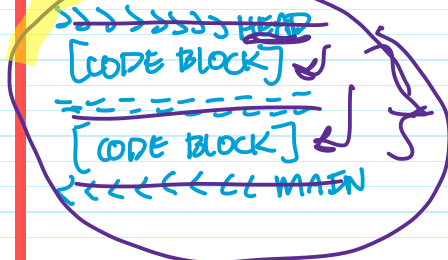
`git checkout main`

MUST BE ON MAIN BRANCH

④ merge desired branch into main

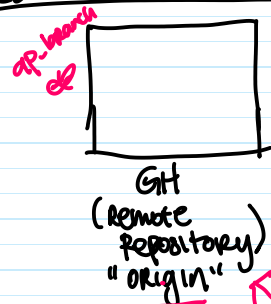
`git merge test-branch`
 branch name

test-branch still exists after you merge it.



CODE BLOCK

Collaboration with Git



AUTOMATICALLY



local Repository folder
 ↳ git
 ↳ files
 ↳ metadata

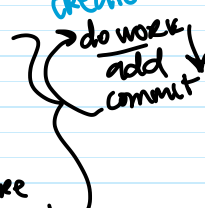
`git pull`
 up-branch

To get repository (one time)
`git clone`

Repo link

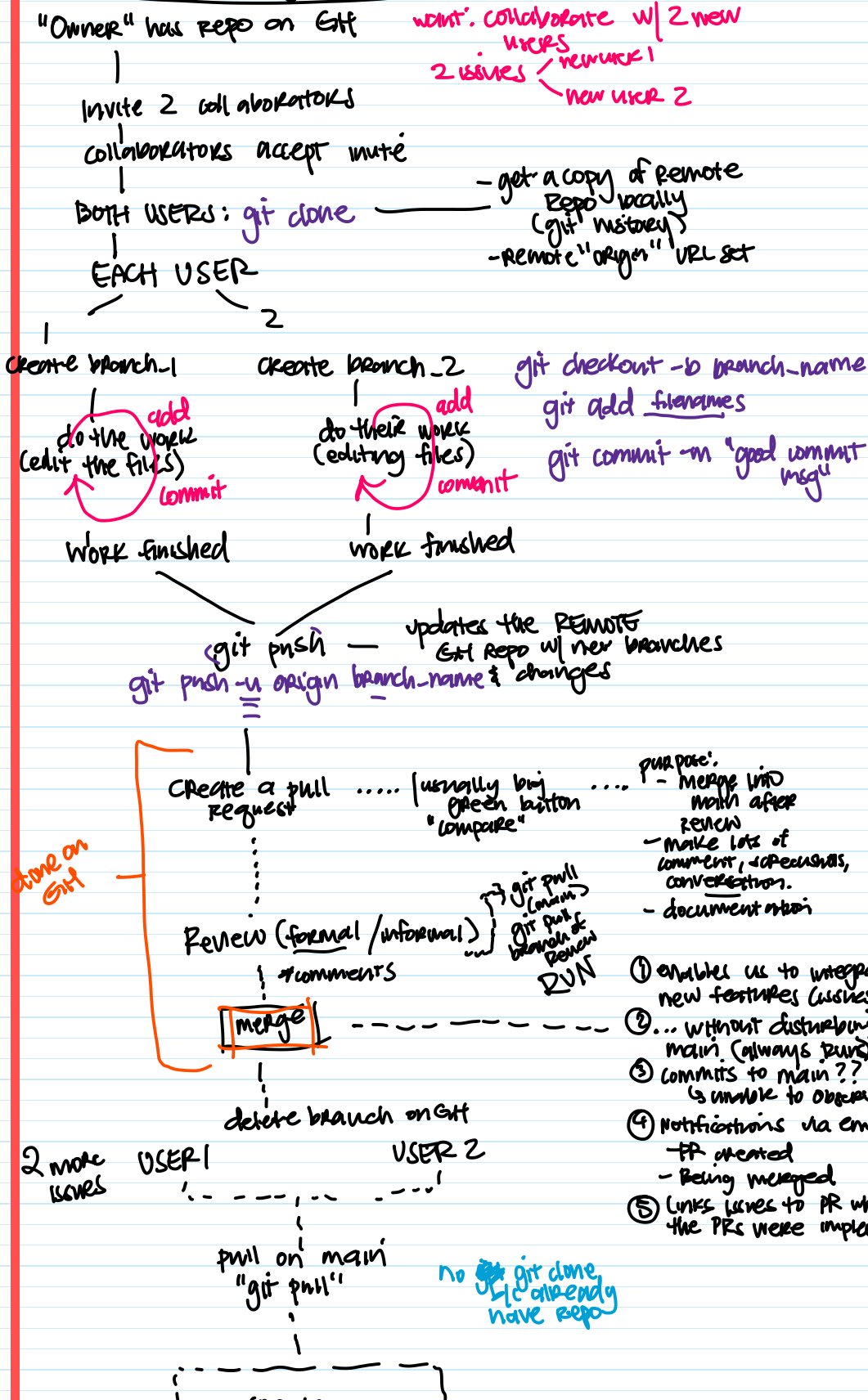
1 authentication method

create a branch



git push origin main
 → branch name
 → issue 5 - viz

Collaboration with git steps



i create branches ;
[cycle forever
until
completion