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Mo Tu We Th Fr Sa Su

Git (Harry)

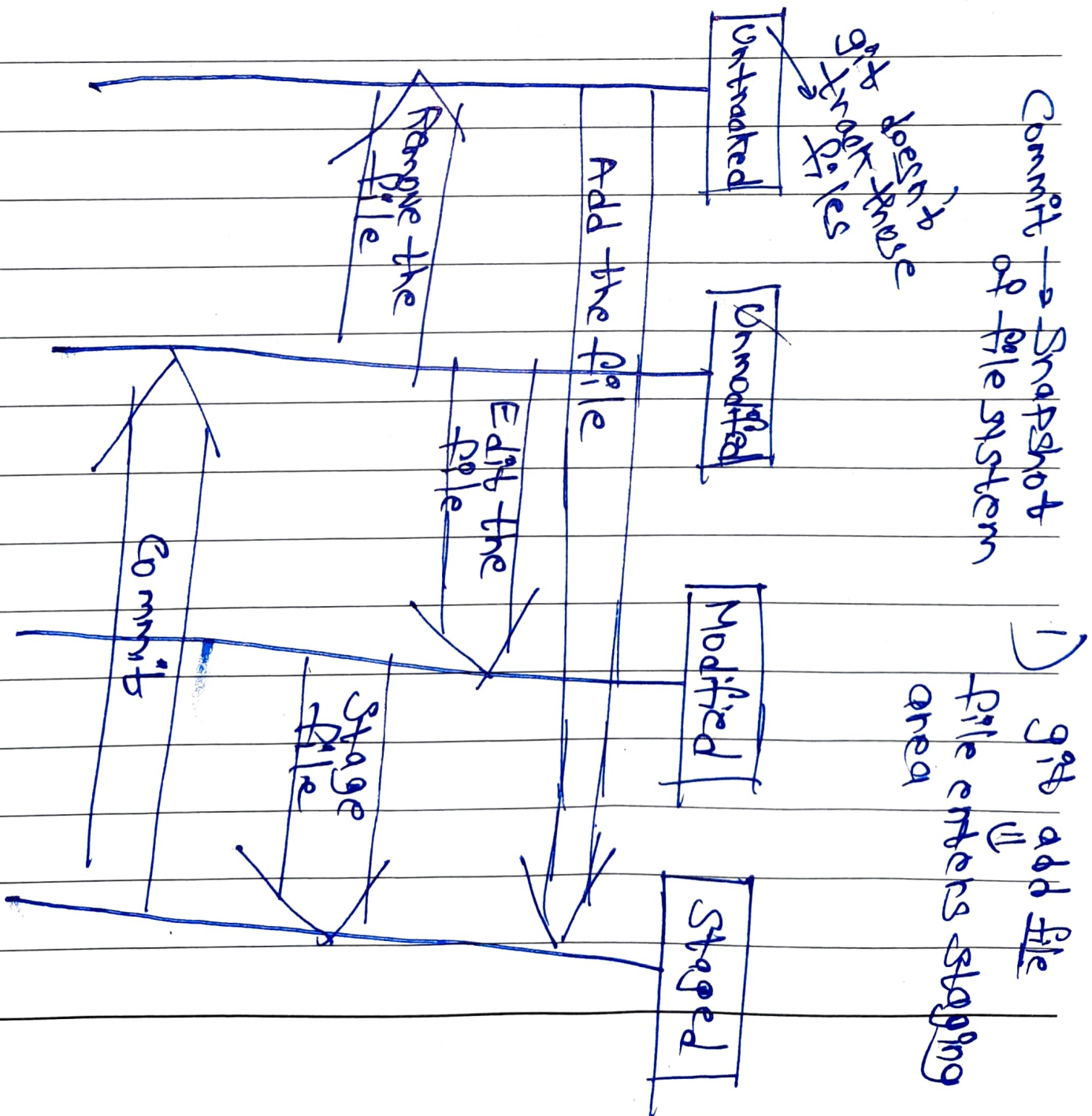
Memo No. _____

Date / /

1) Git is a distributed version control system
means everyone has a copy of that repo

2) git init → empty repo

3) ls -la → shows hidden folders → .git folder



→ To add all files to staging area, use
`git add -A`

→ This command stages all changes (new files, modifications, deletions) in ENTIRE repo

→ `git add` stages only new & modified files but NOT deletions, only in CURRENT directory & its subdirectories.

Eg / project → Cur Dir

└ index.js

└ styles) → /project/styles is sub Dir

→ If a file is modified, after being staged, staging area contains its old value before modifying

→ Say file → `contact.html`, is modified by unfriends, saved ⇒ To recover prev content use `git checkout contact.html` → matches working dir content with prev commit

→ git checkout -f matches all files with ^{commit} prev_A

→ git log mentions all commits

→ git log -p -① ^{shows commits u want to see} mentions all changes

→ git diff compares working dir with staging area

→ To compare staging area with last commit,
git diff --staged

→ If u are working on just specific files & separate
commit msg not req. for them & use git commit -a -m
"..." → use git log to verify

→ To remove a file from staging area,
git rm --cached file, so that it becomes
untracked, but is still present on harddisk

→ git rm file → file is removed from harddisk
as well

→ git status -s 1st box → staging area
 2nd box → working dir

→ used for summarized status

1) 3 files were already committed

2) All 3 modified & saved in editor now

3) git status -s = 2nd M ✓

4) git add contact.html → M contact.html

Curr copy added to staging area

→ Now working dir unmodified, but since
staging area & commit don't match, Modified

M

M

index

monuments

5) Again change contact.html

6) Now it is modified in working dir + staging ^{area}

7) git add contact.html

8) Now only staging area is modified.

4) .gitignore → make it using terminal only or
else windows → confuser