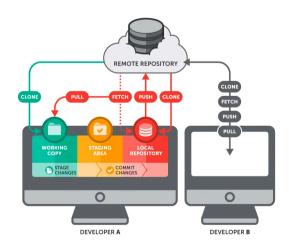
#### vocab

- git remote -> A remote in Git is a common repository that all team members use to exchange their changes.
- git local -> store data(and code) on your local machine







1. How to create new branch
git checkout -b <br/>branchname>
(this will be only on your local not remote)
if you want to push it on your remote repository
git push -u origin <br/>branchname>

- you need to ensure that you are in branch main (generally we don't create branch in branch)
- this will take you to the branch you created (it will copy everything from main to the branch)
- (you can ensure that you are in the branch by using git status, you will see the branch you are at the top)
- if you don't setup something when you go back to main branch the new code you write in branch will not be copied to branch main even on your local machine (but it is not lost your code is still the same when you access your branch. So, when you create the new branch make change on that branch not main to avoid confusion.

When you go back to main it will be sth like this if you make any change on git branch don't change anything on main to avoid mismatch until you want to merge branch and main



How to access branch you created.

git checkout <br/>branchname><br/>git checkout main / git checkout master -> go back to main/master

### 3 See What Branch You're On

- · Run this command:
  - git status



#### 4 List All Branches

**NOTE:** The current local branch will be marked with an asterisk (\*).

- To see local branches, run this command:
  - git branch
- To see remote branches, run this command:
  - git branch -r
- To see all local and remote branches, run this command:
  - git branch -a

5. When you want to push any branches to your github you can

git add

git add
git commit -m
git push

it vill he put in only local not remake
cif that branch isn't on remake yot)

warning make sure that you are in the branch not main

remark use git push -u origin <br/>branchname> to push the branch to remote-git

6.git merge -> Copy from a branch to another firstly, go to main branch then (Example of copy from 9-create-clip-evaluation-2 to 9-create-clip-evaluation-4)



6.2 when you want to merge branch to main

(pull request)

- crake new branch - test by adding a new file o. preparation

- your - a origin test-broach main



pull requisit







\*\* แต่เวลาทำงานจริง เราแค่ Pr ไปให้คนอื่น เป็นคน merge (คนที่มี permission) ถ้าเราชำนาญแล้วเรามี permission ก็ merge เองได้ หรือจะให้ คนอื่น review ก่อนก็ได้ โดยเราเลือกได้ว่าจะ pr ไปให้ใคร







7. Git pull : if you work as a team project you can pull the most recent code from remote repository using git pull command.

We should remember, a git pull is a combination of git fetch and a git merge.

There are different variations of 'git pull' which is discussed below:

- 'git pull origin master' fetches commits from the master branch of the origin remote (into the local origin/master branch), and then it merges origin/master into the branch you currently have checked out.
- 'git pull' only works if the branch you have checked out is tracking an upstream branch. For example, if the branch you have checked out tracks origin/master, 'git pull' is equivalent to 'git pull origin master'
- `git pull origin/master` is invalid unless you have a remote called "origin/master". However, `git merge origin/master` is valid. (It is the second step of `git pull origin master` as described above.)

## 8. Git fetch -> git fetch origin



9. To undo git add and commit you can use

git reset HEAD~1

- 10. Working as a team, if you want to delete files from remote repository or you want to rename files or folders you can do it by
- 1. Git pull to your local
- 2. checkout new branch
- 3. remove or/and rename



cose example

- believe trash file

- believe annecessary or broken file

method

1. cd to that directory

2. git rm

for example git rm. DS\_Stake othis will also believe trash file

on your local)

3. git add commit push



- 4.1 Git add commit push
- 4.2 Git push -u origin <branch name>
- 5. Now, you can pull requst and merge to main branch



## 11. Conflict of git merge

# 12. การผูก issue