Step 1: make the repository in github and clone it to the local device

1) Clone: clone your github repository in to you folder

2) Git status: get the status of the files condition in your project like modified or tracked or deleted ones.

3) Git add. : is for adding adding and updating all the written files to the git

4) Git commit -m "Title" -m "Description": commit the project changes to the local device

5) Git push: send the file to the GitHub live repository

Step 2: initial git in local device and for pushing it you will use git remote

Git init: Initial a git repository locally in your computer then you create and edit files then you can use the git status and git add and git commit

Git remote add origin http.repositoryLinkFromGithub.git: connect to the github repository

Git remote -v: shows the repository that you are connected to

To make github Understand you are the owner of the project, you need to use SSH keys

* Generate key: ssh-keygen -t rsa –b 4096 -C "[benjaminjerban@gmail.com](mailto:benjaminjerban@gmail.com)"
* List of public and private keys: ls | grep keyFolder
* Get the hash SSH key: cat keyFolder.pub

Branch:

Git branch: check what branch you are on

Git branch -d testBranch: delete the testBranch

Git checkout: switch between branches

Git checkout -b: create a new branch

When you switch to the branch you want you can use git add, git status, git commit to edit and commit the file on only this current branch

Git diff testBranch: shows the differen between the files In current branch and testBranch

Git push -u origin testBranch: push only on the testBranch on github

-u: its for upstreaming that you don't write the "orgin Branchname" everytime you want to push

Git merge: you will merge all the changes that you compared on github pull request

Git pull origin main: to bring the merged date on your github to your local device

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When you have some files and package that you don’t want them to be tracked by git:

Create the .gitignore file, and write the file names which you don’t want them to be tracked by git in this file

If you want to edit project from another account first you must logout from the git account from controlpanel -> user accounts -> manage your credentials -> windows credentials

Then you run this prompt on project terminal:

Git config --global user.name BenjaminJerban

Git config --global user.email [email@gmail.com](mailto:email@gmail.com)

Then anytime you edited and commited the project, while you want to push it in to the github repository, you need to login to the github account

Team project:

Git fork: when you are attracted to somones repository and want to make changes on it you have to fork It to your github account and then make changes on then commit.

After commit process you must send a pull request to the owner of that project, if he confirmed the changes then the new edition will merge into his repository.