- https://stackoverflow.com/questions/47465644/github-remote-permission-denied

Đường dẫn cấu hình git: C:\Users\<name>\.gitconfig

Cấu hình cho window: git config --list

Git config --global user.name "<name>"

Git config --global user.email "<email>"

_ Dùng đường dẫn cho Notepad++: Environment variables -> Path -> C:\Program Files\Notepad++edit

Git config --edit --global

Notepad++

_ Tạo phiên bản mới notepad (-multiInst), và bảng blank(-nosession)

Git config core.editor "notepad++ -multiInst -nosession"

```
# Doesn't actually remove anything, just shows what would be done
$ git clean -n
# Removes Untracked directories and files
$ git clean –df
# view log oneline, graph
$ git log –-oneline --graph
```

Tạo local git:

1. Create repository: git init DemoApp
2. Chuyển thư mục: cd DemoApp/
3. Xem tập tin trong folder: ls –la
4. Xem trạng thái repository: git status
5. Mở notepad tạo file: Notepad++ README.md (# syntax của markdown)
6. Thêm file vào repository: git add README.md or git add . (git status)
7. Commit repository: git commit –m "initial commit"
8. Điều khiển remote: git remote -v
9. Git remote add origin https://github.com/<name>/<name-repository>
10. Git remote -v
11. Git push –u origin master

```
# create git local, remote to github
$ git init <name>
$ git remote add origin https://github.com/<name>/<name-repository>
```

Tạo SSH giao tiếp với github

https://help.github.com/en/articles/connecting-to-github-with-ssh

Adding a new SSH key to your GitHub account (local) -> Setting SSH for github.com -> Testing your SSH connection (local).

```
$ ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
```

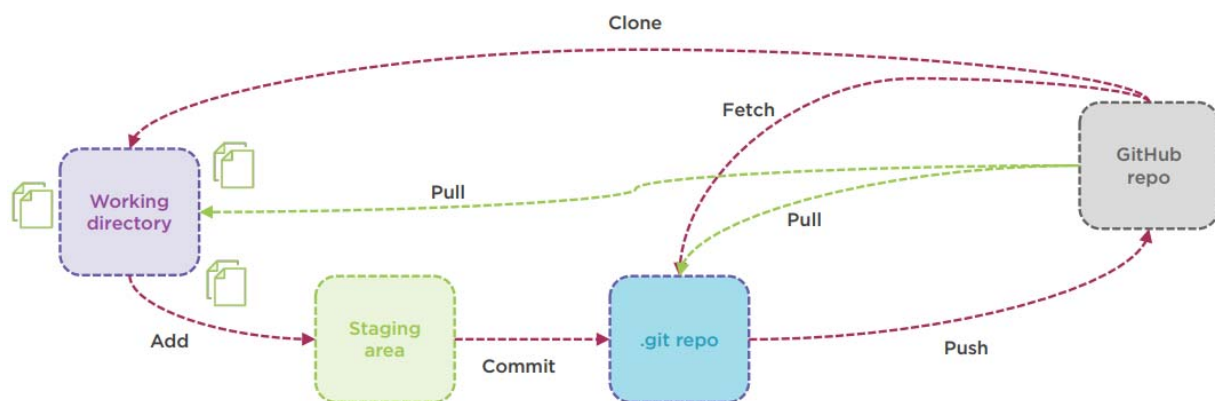This creates a new ssh key, using the provided email as a label.

> Generating public/private rsa key pair.
```
> Enter a file in which to save the key (/c/Users/you/.ssh/id_rsa)
```

After you've set up your SSH key and added it to your GitHub account, you can test your connection.

```
$ ssh -T git@github.com
# Attempts to ssh to GitHub
```

Using Git Commands with GitHub

Problem 01: "please enter a commit message to explain why this merge is necessary, especially if it merges an updated upstream into a topic branch."

To solve this:

1. press "i"

2. write your merge message

3. press "esc"

4. write ":wq"

5. then press enter

```
$ git pull
Ex: $ git ls -la
Problem 02: error: bad index file sha1 signature
fatal: index file corrupt
```

To solve this:

```
rm .git/index
git reset
```

Repository features:

1. Issue: title, write (markdown)
2. Pull requests:
3. Projects: project board contain các nhiệm vụ, vấn đề, giả sử cho dự án. Bạn có thể quản lý và ưu tiên cho công việc.
4. Wiki: sử dụng cho tài liệu
5. Insights: ai là người đóng góp quan trọng hoặc tích cực nhất: contributors, traffic, commits, code frequency, fork
6. Setting: làm việc với repository

Bringing in more people:

1. Collaborators: Settings -> Collaborators
2. Contributors

Summary:

It all evolves around repositories

GitHub is our remote area