

# HOW TO USE GIT FOR BEGINNERS

The background features a light blue gradient with a pattern of semi-transparent blue squares of varying sizes. On the right side, there is a network diagram consisting of blue lines connecting circular nodes, some of which are highlighted in a darker blue.

# Agenda

- ❑ Introduce GIT
- ❑ How GIT works
- ❑ Setup GIT
- ❑ Using GIT
- ❑ Assignment

# Actual demands

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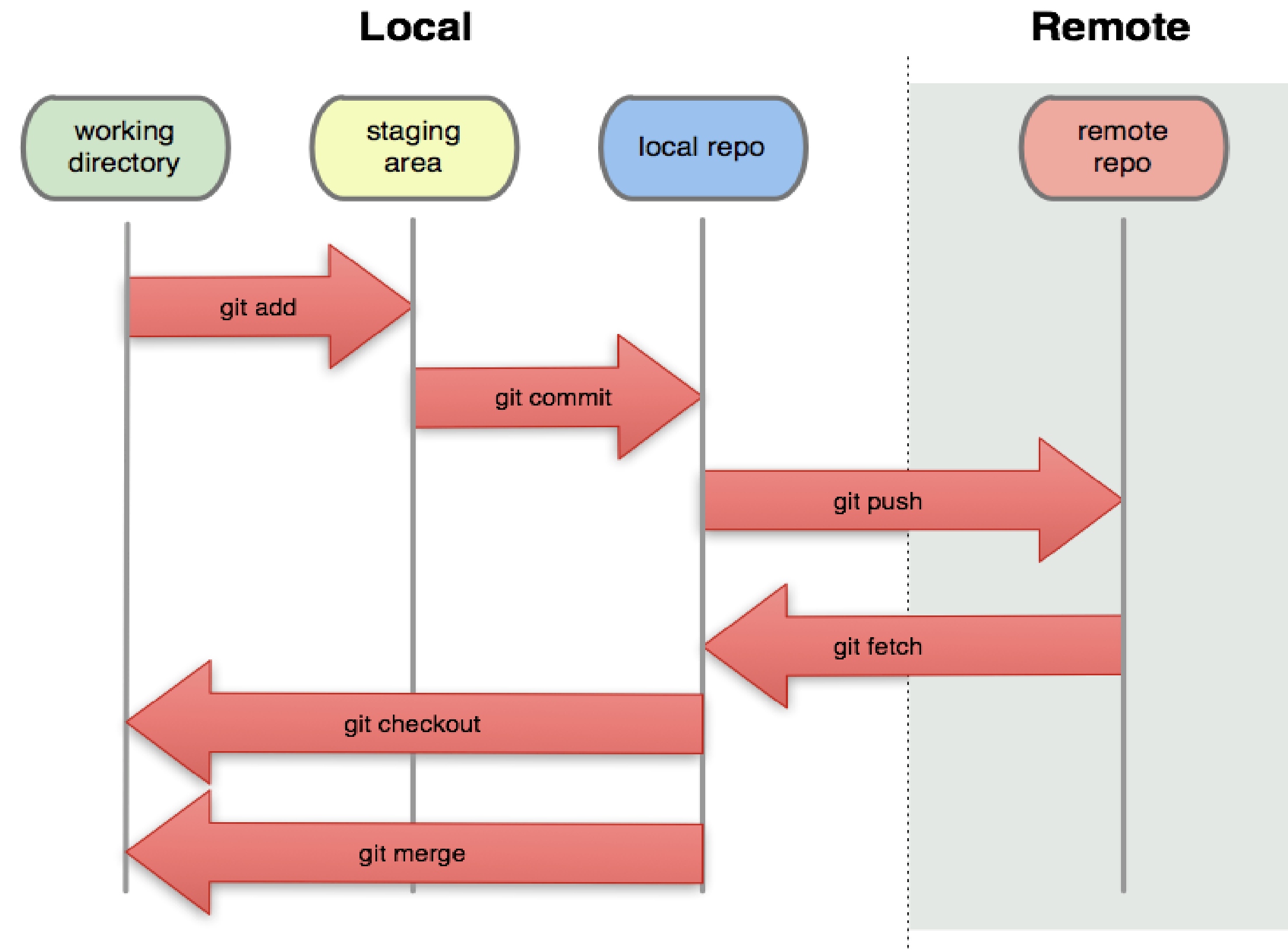
- Need a system to store all changes in code daily, after that we can restore.
- The rest of the team knows exactly what each one did, changed.

# Introduce GIT

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- Super fast speed
- The architecture is very simple.
- Tested & used in most companies.
- Synchronize source code among members.

# How GIT works



# Setup GIT

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- Step 1: Download GIT
- Step 2: Create GIT Account
- Step 3: Create Remote repository
- Step 4: Create Local Repository
- Step 5: Setting User
- Step 6: Clone Remote Repository

# Download

➤ Step 1: <https://git-scm.com/download>



# Create GIT Account

➤ Step 2: <https://github.com>

Sign in

Username or email address

Password

Forgot password?

or

Sign in using your browser

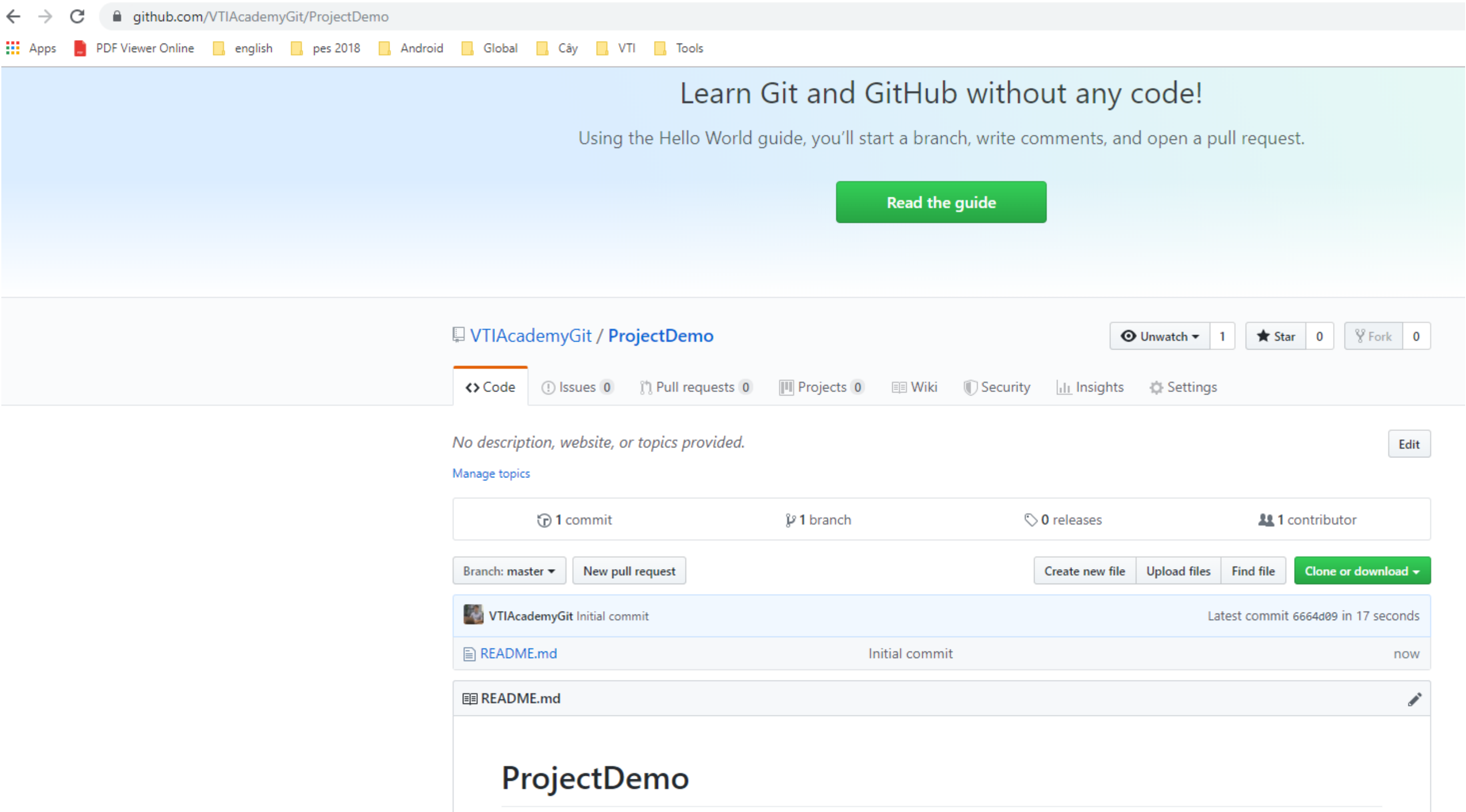
Sign in

Cancel




# Create Remote Repository

## ➤ Step 3: Create Remote repository



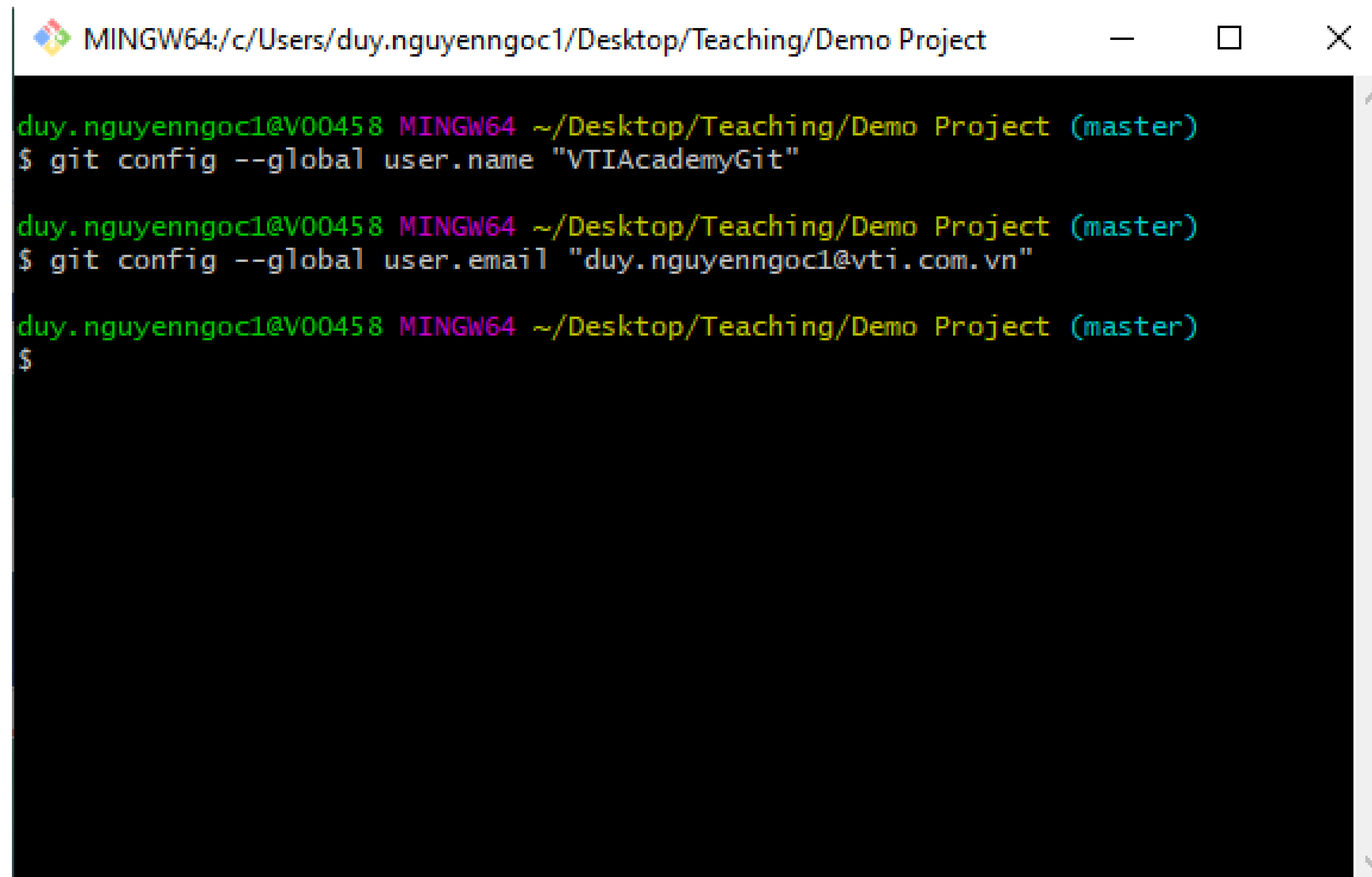
# Create Local Repository

➤ Step 4: Create "Project demo" folder

Teaching				
: Share View				
. > This PC > Desktop > Teaching >				
ess	Name	Date modified	Type	Size
	 Demo Project	10/14/2019 4:58 PM	File folder	

# Setting User

## ➤ Step 5: Setting User GIT



```
MINGW64:/c/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project

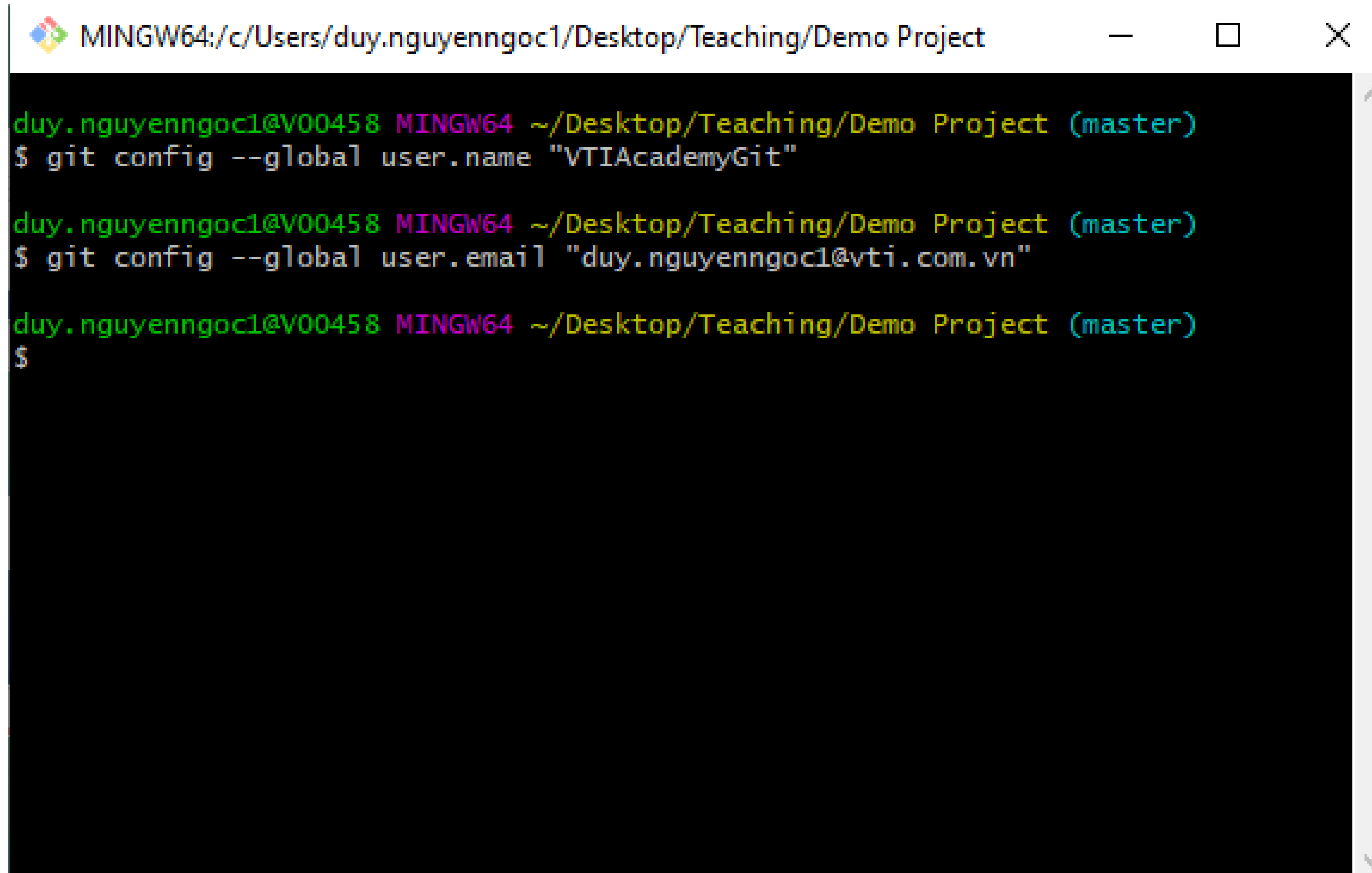
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$ git config --global user.name "VTIAcademyGit"

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$ git config --global user.email "duy.nguyenngoc1@vti.com.vn"

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$
```

# Clone Remote Repository

- Step 6: `git clone https://github.com/VTIAcademyGit/ProjectDemo.git`

A screenshot of a Windows command prompt window. The title bar shows the path "MINGW64:/c/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project" and standard window controls. The terminal text shows three lines of commands and their prompts:

```
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$ git config --global user.name "VTIAcademyGit"

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$ git config --global user.email "duy.nguyenngoc1@vti.com.vn"

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$
```

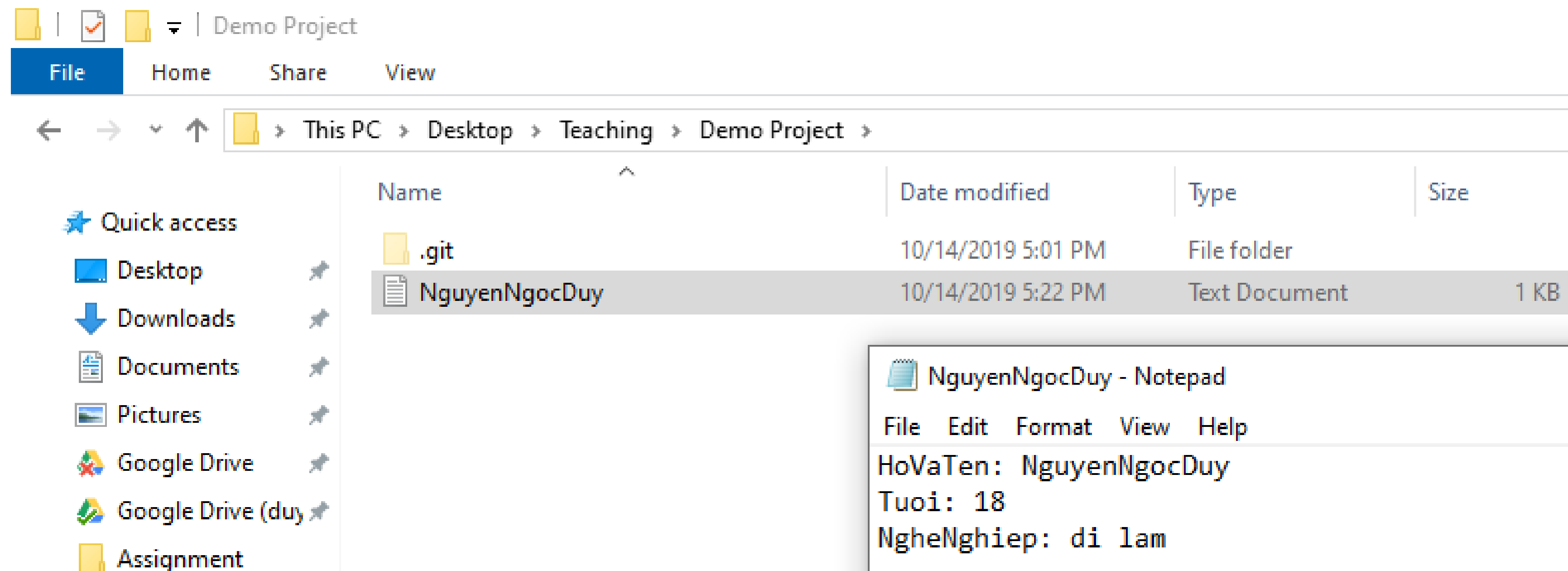
# Using GIT

➤ Step 7: Create a txt file whose file name is the student's name and fill out the following personal information

○ Fullname: Nguyen Van ....

○ Age: 18

○ career: Student / Staff



# Clone Remote Repository

MINGW64:/c/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project

```
git c
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project
$ git clone https://github.com/VTIAcademyGit/ProjectDemo.git
Cloning into 'ProjectDemo'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project
$
```

Demo Project

Home Share View

→ This PC > Desktop > Teaching > Demo Project >

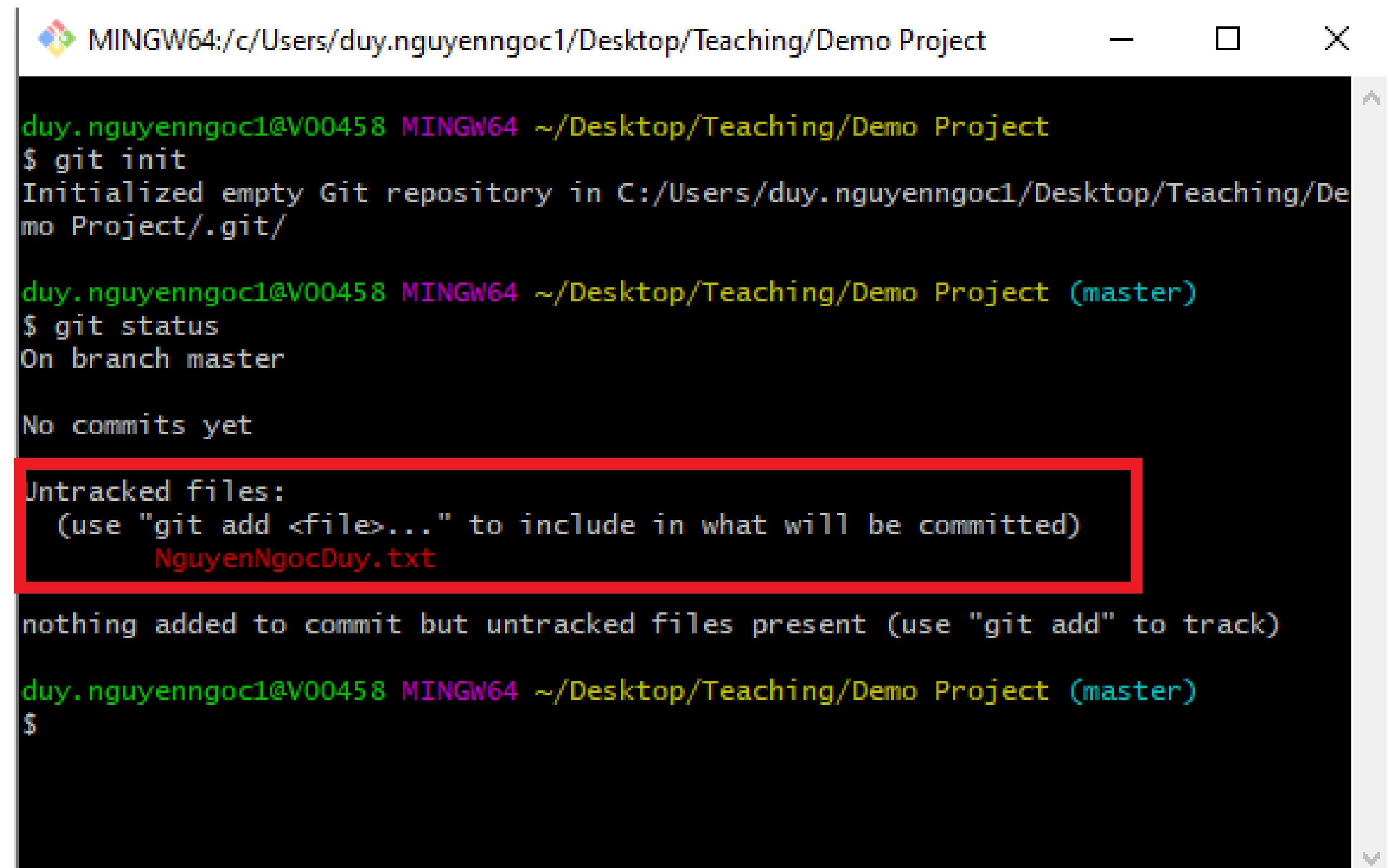
Name	Date modified	Type
ProjectDemo	10/14/2019 6:19 PM	File folder

# Using GIT

## ➤ Step 1: View the changed files

git status

Note: Execute git inside the project



```
MINGW64:/c/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project
$ git init
Initialized empty Git repository in C:/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project/.git/

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    NguyenNgocDuy.txt

nothing added to commit but untracked files present (use "git add" to track)

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project (master)
$
```

# Using GIT

## ➤ Step 2: Push the changed files to the Remote Repository

git add .

git commit -m "content"

git push

```
MINGW64:/c/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project/Pro...
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        NguyenNgocDuy.txt

nothing added to commit but untracked files present (use "git add" to track)
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project/ProjectDemo (master)
$ git add -A
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project/ProjectDemo (master)
$ git commit -m "push file thong tin ca nhan"
[master 3e1a718] push file thong tin ca nhan
1 file changed, 3 insertions(+)
create mode 100644 NguyenNgocDuy.txt
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project/ProjectDemo (master)
$ git push -u origin master
```

```
MINGW64:/c/Users/duy.nguyenngoc1/Desktop/Teaching/Demo Project/Pro...
duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project/ProjectDemo (master)
$ git push -u origin master
Logon failed, use ctrl+c to cancel basic credential prompt.
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/VTIAcademyGit/ProjectDemo.git/'

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project/ProjectDemo (master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 6 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 357 bytes | 357.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/VTIAcademyGit/ProjectDemo.git
   6664d09..3e1a718  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

duy.nguyenngoc1@V00458 MINGW64 ~/Desktop/Teaching/Demo Project/ProjectDemo (master)
$ |
```



# Using GIT

←

→

↻

github.com/VTIAcademyGit/ProjectDemo

Apps

PDF Viewer Online

english

pes 2018

Android

Global

Cây

VTI

Tools

Learn Git and GitHub without any code.

Using the Hello World guide, you'll start a branch, write comments, and open a pull request.

Read the guide

VTIAcademyGit / ProjectDemo

Unwatch

1

Star

0

Fork

0

Code

Issues 0

Pull requests 0

Projects 0

Wiki

Security

Insights

Settings

No description, website, or topics provided.

Edit

Manage topics

2 commits

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

VTIAcademyGit

push file thông tin cá nhân

Latest commit 3e1a718 5 minutes ago

NguyenNgocDuy.txt

push file thông tin cá nhân

5 minutes ago

README.md

Initial commit

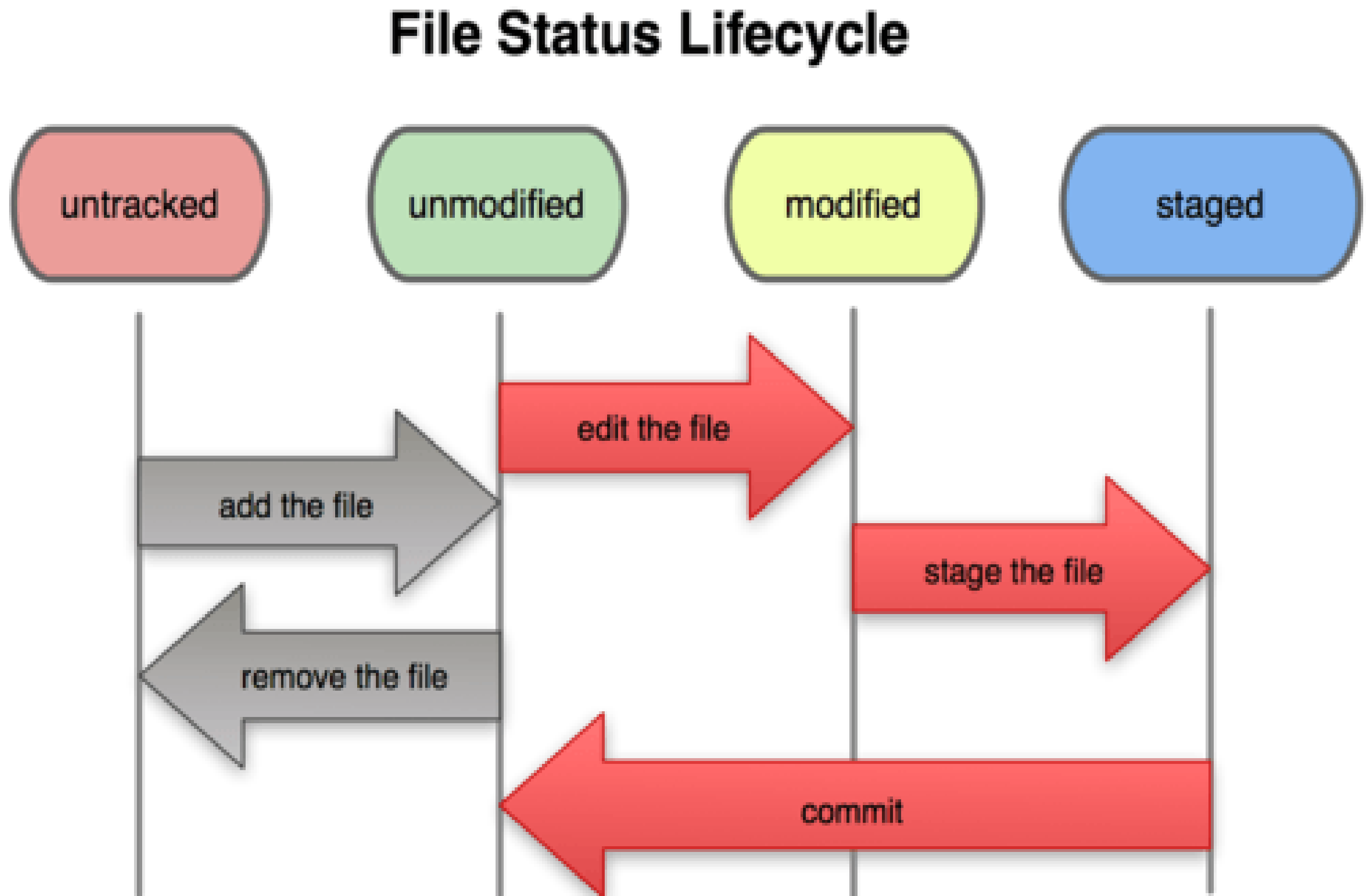
12 minutes ago

README.md

ProjectDemo

# File's status

- Committed
- Modified
- Staged



# Explain the commands

---

- git add: Add a file (modified or untracked status) on the next commit
- git commit: Save the changes just created (by git add command) to local repository
- git push: Synchronize local repository & remote repository (Github)

# The next section

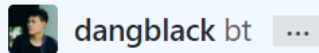
---

- Git pull
- Branch
- git merge
- .GITIGNORE

# Assignment

➤ Create the following folder:

Branch: master ▾ New pull request



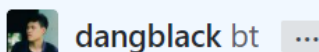
Java	bt
SQL	bt
README.md	Create README.md

README.md

## BT\_VTI\_Accademy

Folder trả bài tập trên VTI Accademy


Branch: master ▾ BT\_VTI\_Accademy / SQL /



..

Assignment 2	bt
Assignment 3	Bài tập
Assignment 4	bt
Assignment 5	bt
Assignment 6	bt
Assignment 7	Up bài 7 lên ko A Duy cho 0
Exam	Nộp bài Exam

Branch: master ▾ BT\_VTI\_Accademy / SQL / Assignment 2 /



..

Extra Assignment
Testing System

dangblack / BT\_VTI\_Accademy

<> Code

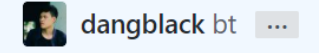
Issues 0

Pull requests 0

Actions

Projects 0

Branch: master ▾ BT\_VTI\_Accademy / SQL / Assignment 2 / Testing System /



..

DB_2_3.sql	bt
DB_3_2.sql	Nộp bt buổi 3

# Q & A