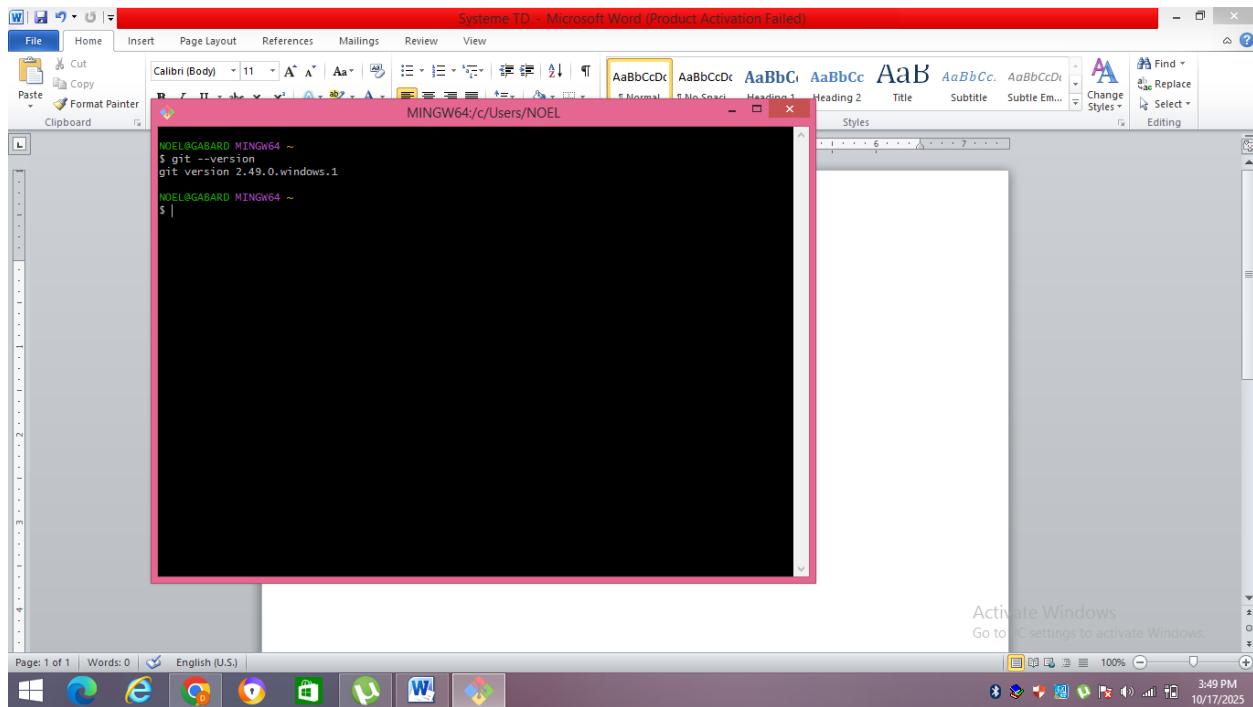
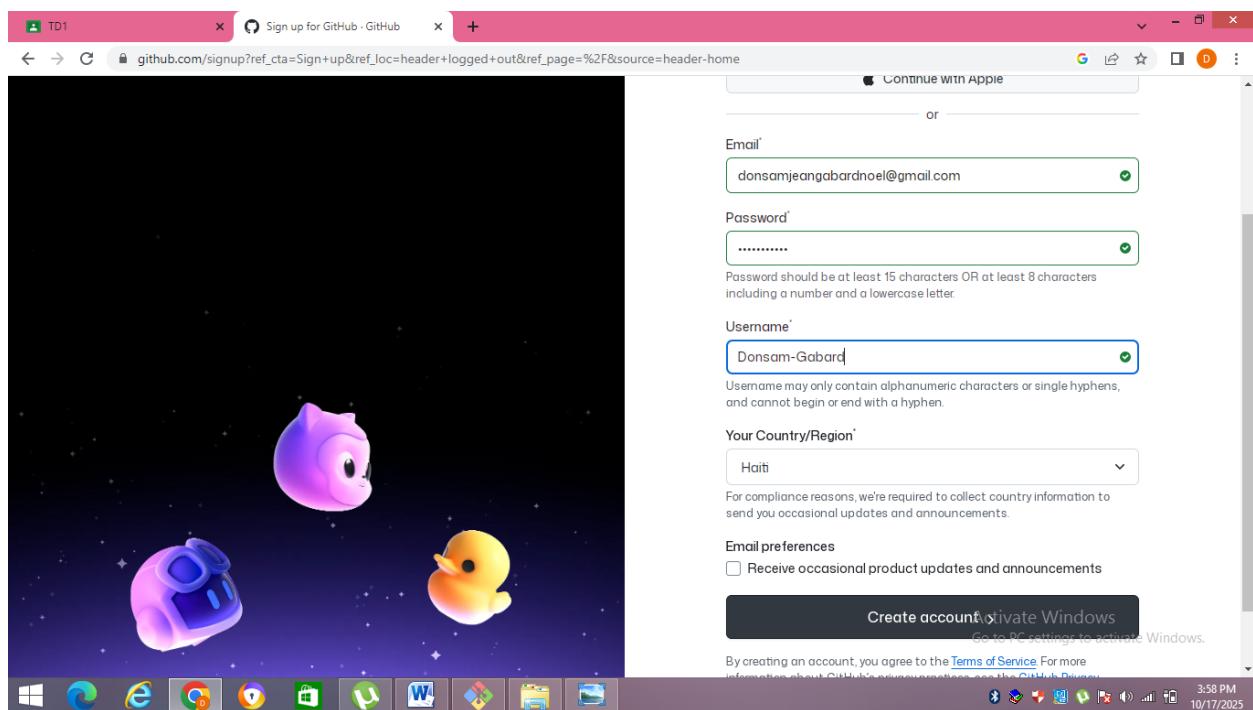


Exercice 1

❖ Vérification de l'installation de Git sur Windows :



❖ Crédit de mon compte GitHub :



TD1 GitHub Dashboard

github.com/dashboard

Dashboard

Type to search

Create your first project

Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

Create repository Import repository

Home

Ask Copilot

Get started with GitHub Learn to code Create a web app

Playlist GitHub for beginners on YouTube

Designed to help you master the basics of GitHub, whether you're new to coding or looking to enhance your version control skills.

Start playlist

Getting started 0/3 complete

Activate Windows Go to PC settings to activate Windows.

Windows taskbar: 4:01 PM 10/17/2025

TD1 Donsam-Gabard

github.com/Donsam-Gabard

Donsam-Gabard

Overview Repositories Projects Packages Stars

Popular repositories

You don't have any public repositories yet.

Customize your pins

1 contribution in the last year

Contribution settings 2025

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct

Mon Wed Fri

Learn how we count contributions Less More

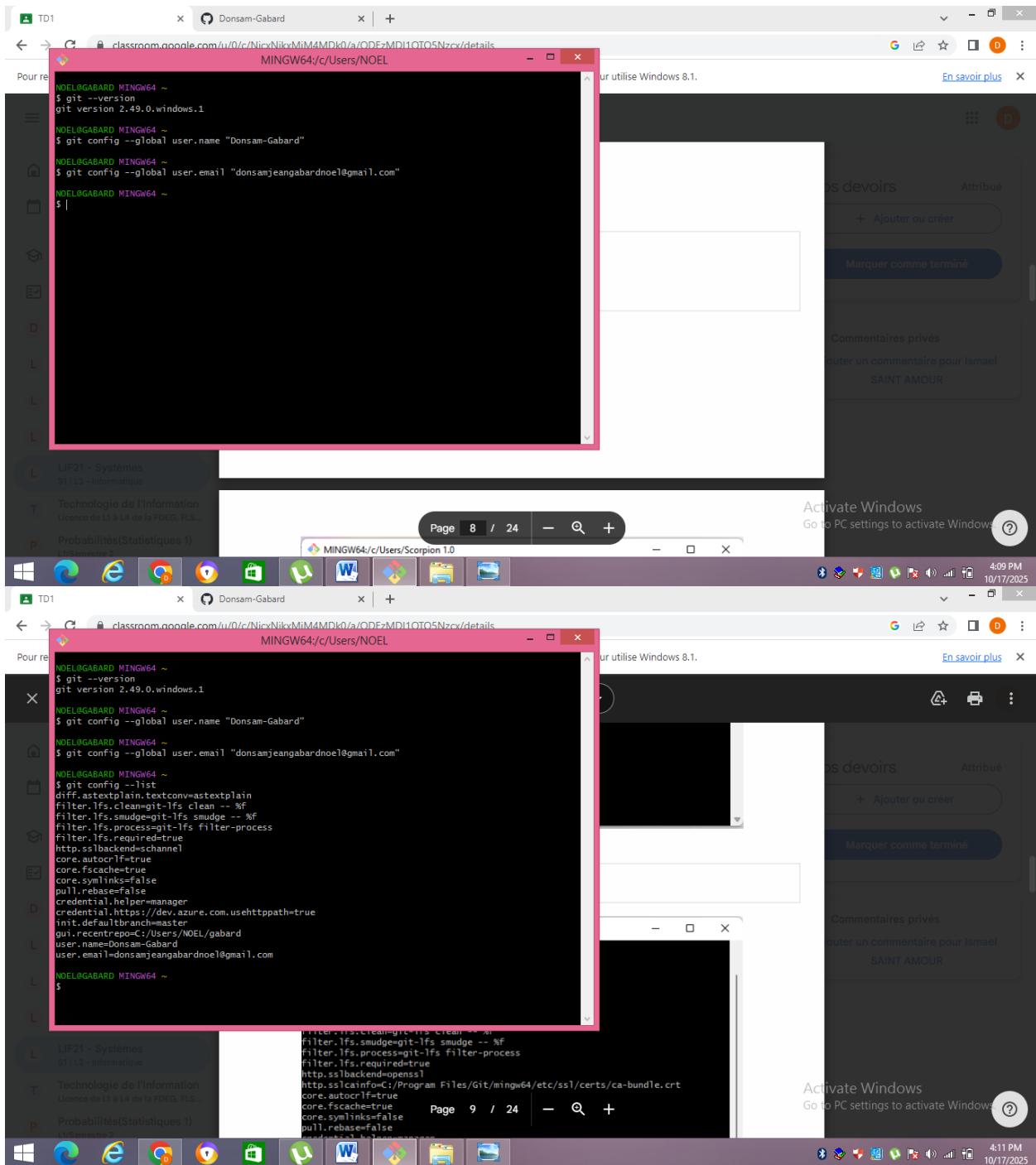
This is your **contribution graph**. Your first square is for joining GitHub and you'll earn more as you make [additional contributions](#). More contributions means a higher contrast square color for that day. Over time, your chart might start looking [something like this](#).

We have a quick guide that will show you how to create your first repository and earn more green squares! Go to PC settings to activate Windows.

Read the Hello World guide

Windows taskbar: 4:03 PM 10/17/2025

❖ Configuration de Git



```
NOEL@GABARD MINGW64 ~
$ git --version
git version 2.49.0.windows.1

NOEL@GABARD MINGW64 ~
$ git config --global user.name "Donsam-Gabard"

NOEL@GABARD MINGW64 ~
$ git config --global user.email "donsamjeangabardnoel@gmail.com"

NOEL@GABARD MINGW64 ~
$ |
```



```
NOEL@GABARD MINGW64 ~
$ git --version
git version 2.49.0.windows.1

NOEL@GABARD MINGW64 ~
$ git config --global user.name "Donsam-Gabard"

NOEL@GABARD MINGW64 ~
$ git config --global user.email "donsamjeangabardnoel@gmail.com"

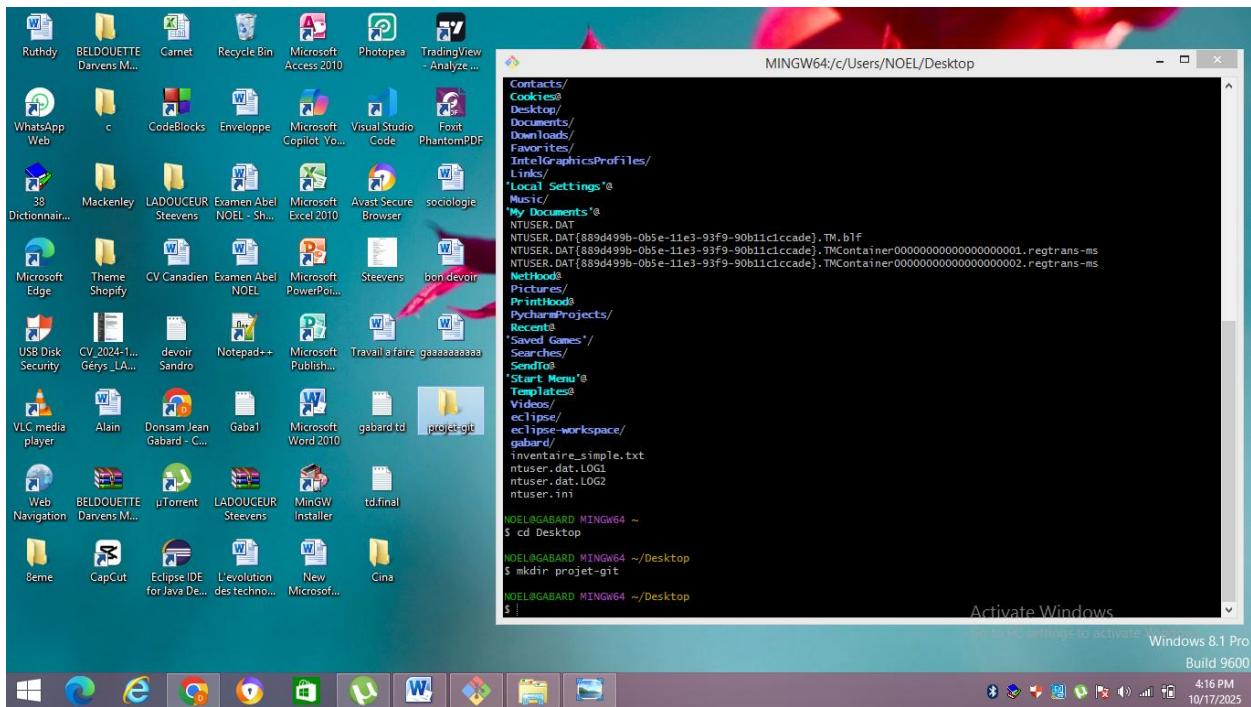
NOEL@GABARD MINGW64 ~
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.ignorecase=true
pull.rebase=false
credential.helper=manager
credential.azure=https://dev.azure.com/usehttppath=true
init.defaultbranch=master
gui.recentrepo=c:/Users/NOEL/gabard
user.name=Donsam-Gabard
user.email=donsamjeangabardnoel@gmail.com

NOEL@GABARD MINGW64 ~
```

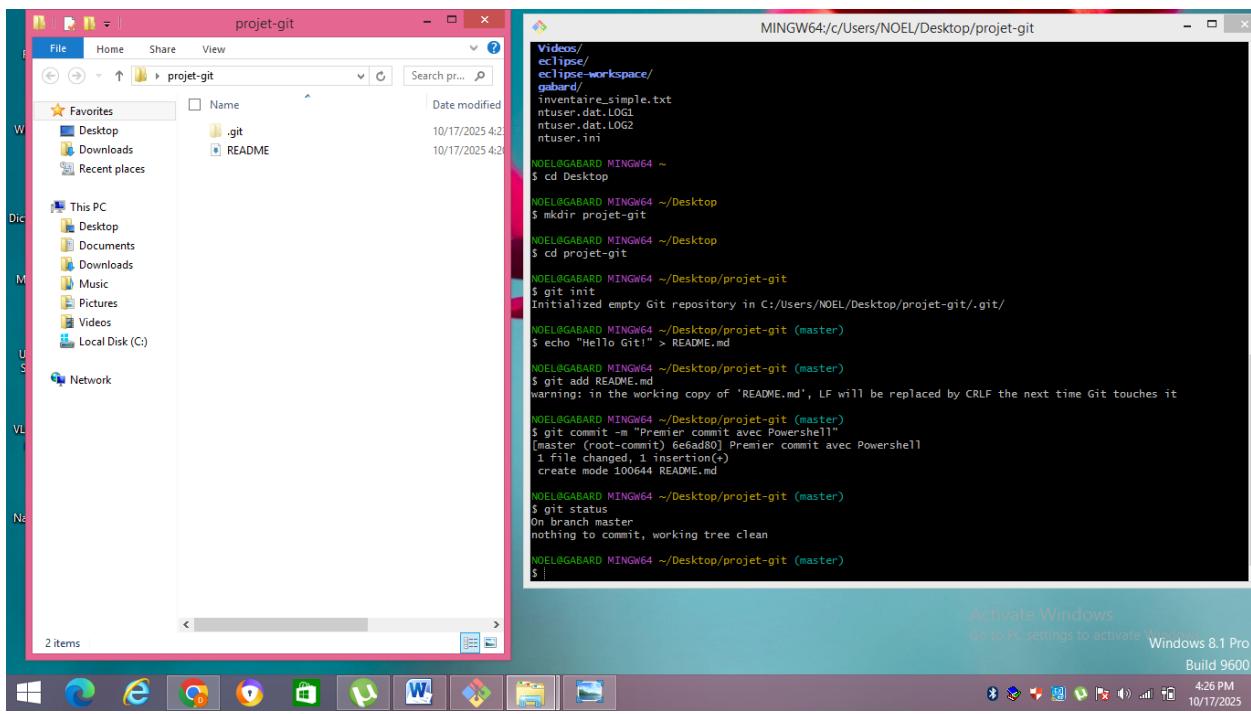
❖ Testons Git avec PowerShell :

- *Créons un dossier de test :*

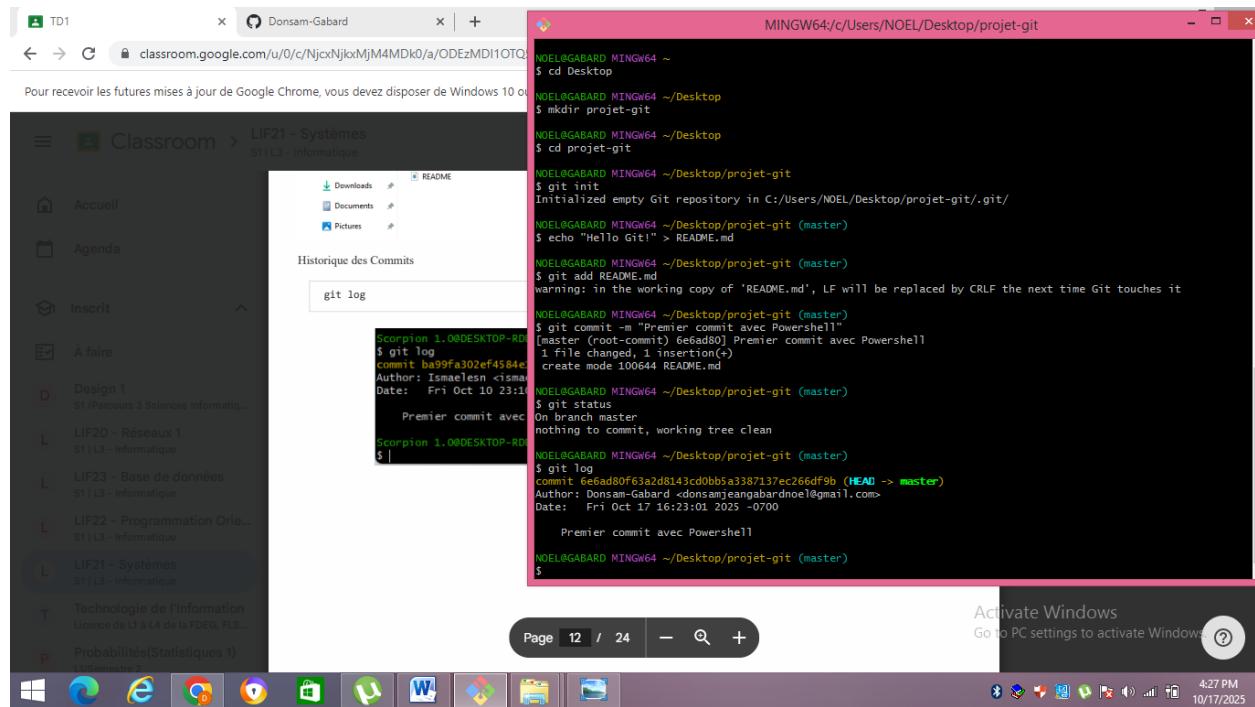
A screenshot of a Windows desktop environment. At the top, there are two browser windows side-by-side. The left window shows a command-line interface (CMD) with the user's path as NOEL@GABARD MINGW64 ~. It lists various system folders like AppData, Application Data, Contacts, Cookies, Desktop, Documents, Downloads, Favorites, IntelGraphicsProfiles, Links, Local Settings, Music, and My Documents. The right window shows a Google Classroom assignment titled "is devoirs" with a due date of "Attribué 10/17/2025". Below the windows is a standard Windows taskbar with icons for Start, File Explorer, Task View, Search, Task View, and several pinned apps including Microsoft Edge, File Explorer, and a file manager. The system tray shows the date and time as 10/17/2025 at 4:14 PM.



- Initialisons un dépôt et créons un fichier :



- Historique des commits :



❖ Générons une nouvelle clé SSH :

The screenshot shows a Windows desktop environment. On the left, there is a Google Classroom assignment titled "LIF21 - Systèmes". The assignment content includes a text block with instructions for generating an SSH key, a list of points for generating a key pair, and a step-by-step guide for using the ssh-keygen command. On the right, a terminal window titled "MINGW64:/c/Users/NOEL/Desktop/projet-git" is open, displaying the command-line process of generating an RSA key pair. The terminal output shows the creation of a new file "README.md", the status of the branch "master" (nothing to commit), and the execution of the ssh-keygen command with options "-t ed25519" and "-C "ton.email". The terminal also displays the generated key fingerprint and the saved public key path. The taskbar at the bottom shows various icons for Microsoft Office applications like Word, Excel, and PowerPoint.

```
1 file changed, 1 insertion(+)
create mode 100644 README.md

NOEL@GABARD MINGW64 ~/Desktop/projet-git (master)
$ git status
On branch master
nothing to commit, working tree clean

NOEL@GABARD MINGW64 ~/Desktop/projet-git (master)
$ git log
commit 6e6ad80f63a2d8143cd0bb5a3387137ec266df9b (HEAD -> master)
Author: Donsam-Gabard <donsanjeangabardnoel@gmail.com>
Date:   Fri Oct 17 16:23:01 2025 -0700

    Premier commit avec PowerShell

NOEL@GABARD MINGW64 ~/Desktop/projet-git (master)
$ ssh-keygen -t rsa -b 4096 -C "donsanjeangabardnoel@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/NOEL/.ssh/id_rsa):
Enter passphrase for "/c/Users/NOEL/.ssh/id_rsa" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/NOEL/.ssh/id_rsa
Your public key has been saved in /c/Users/NOEL/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:RXmlfBCEu91whDn05/uf9c8T4r6v6vDNJ5B6MNKUD0 donsanjeangabardnoel@gmail.com
The key's randomart image is:
+---[RSA 4096]----+
| .oB0 |
| ..E+ |
| ..B..o |
| .+ +o+ |
| S + +..o |
| . .o.. |
| . .+o |
| .++=X |
+---[SHA256]----+
NOEL@GABARD MINGW64 ~/Desktop/projet-git (master)
$ |
```

Pour recevoir les futures mises à jour de Google Chrome, vous devez disposer de Windows

Accueil

Agenda

Inscrit

À faire

Design 1

LIF20 - Réseaux 1

LIF23 - Base de données

LIF22 - Programmation Orientée Objet

LIF21 - Systèmes

Technologie de l'Information

Probabilités (Statistiques 1)

Classroom > LIF21 - Systèmes S1 | L3 - Informatique

Affichez la clé publique générée

```
cat ~/.ssh/id_ed25519
# Ou
cat ~/.ssh/id_rsa
```

[MINGW64/c/Users/NOEL]

```
cat /etc/ssh/ssh_host_ed25519_key
cat /etc/ssh/ssh_host_rsa_key
```

Scorpion 1.0@DESKTOP-RDMFWE1 MINGW64 ~

```
cat /etc/ssh/ssh_host_ed25519_key
cat /etc/ssh/ssh_host_rsa_key
```

MINGW64/c/Users/NOEL/Desktop/projet-git

MINGW64/c/Users/NOEL/Desktop/projet-git (master)

```
cat /etc/ssh/ssh_host_ed25519_key
cat /etc/ssh/ssh_host_rsa_key
```

MINGW64/c/Users/NOEL/Desktop/projet-git (master)

```
cat /etc/ssh/ssh_host_ed25519_key
cat /etc/ssh/ssh_host_rsa_key
```

MINGW64/c/Users/NOEL/Desktop/projet-git (master)

```
cat /etc/ssh/ssh_host_ed25519_key
cat /etc/ssh/ssh_host_rsa_key
```

Activate Windows
Go to PC settings to activate Windows.

4:36 PM
10/17/2023

- *Copions la clé affichée dans le terminal :*

TD1 Add new SSH key

github.com/settings/ssh/new

Settings Donsam-Gabard (Donsam-Gabard) Your personal account Go to your personal profile

Public profile Account Appearance Accessibility Notifications Access Billing and licensing Emails Password and authentication Sessions SSH and GPG keys Organizations Enterprises Moderation

Add new SSH Key

Title Clé Windows

Key type Authentication Key

Key

```
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQADojt+bEMbUuEDAKaYYsjxIK3QL3yRuBRuyBX6fFspY4eDMHjCkC8eDbI9RmAUA/yjeYBwanu0ZpQm0HQZ-bj9CdFgpAYCJD3bhsCvkh3hkYHw/IzrBaAlqboeH9+NEm5XEPH/p90RJpsfMzOnfmnfBuypkBlodhr/7tgWaB25yMq46COIAzTHPLLGxtCorndRMxxNVjsyKKM8QXDlilu412msyUIVQzMDM/4wgB/tzdDGFO99jvcPjVLtnQhvuPk/JE3CMaFTjATK+i+2WBpZnG13Xe+o k4/VnP7XuG4ja49RPfdovG6s5VOgQOId7u43ul/QnaTU5vMwUDmpjklpnlt+ndOpvax8r93ImfaAijcQ2jri/tvLBFPQchSSng3U8jmOgLsj/LajFaSemta3E+j7Gvg4x/Nyg4meL9kVTCntWv1EIC5LyPiWOxN94tTuhN43LYPSINoYe80B+AFOAvDOLBVFRv1DgLEH0Lrr3cAleh1RRYmxvrlzHMI5a35BuQjsPDDKMy9EYGT3bc9hh6UD5VxZskhdAyh4cRGihzr/pZwgBjZ0nsjD8lrpH//ecUtDbm6K/T8lvbmLagbyN7M2+XdYc8AT7g6Q6fxHx8x1903M4KzXqw6w2BvIzWw== dongsam-gabardnoel@gmail.com
```

Add SSH key

Activate Windows Go to PC settings to activate Windows.

TD1 SSH and GPG keys

github.com/settings/keys

Settings Donsam-Gabard (Donsam-Gabard) Your personal account Go to your personal profile

You have successfully added the key 'Clé Windows'.

Public profile Account Appearance Accessibility Notifications Access Billing and licensing Emails Password and authentication Sessions SSH and GPG keys Organizations Enterprises Moderation

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

 Cle Windows	SSH	SH256:RXuufBCEu91whDn05/u9c8T4r6vbVDN35B6WllKUD0	Added on Oct 17, 2025	Never used — Read/write	Delete
---	-----	--	-----------------------	-------------------------	------------------------

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

New GPG key

Activate Windows Go to PC settings to activate Windows.

En attente de api.github.com... Generate a GPG key and add it to your account.

TD1 SSH and GPG keys

github.com/settings/keys

Settings

You have successfully added the key 'Clé Windows'.

Donsam-Gabard (Donsam-Gabard)
Your personal account

Public profile Account Appearance Accessibility Notifications

Access Billing and licensing Emails Password and authentication Sessions

SSH and GPG keys

SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

Clé Windows
SHA256: RXmUFBCEu91whDn05/uf9c8T4r6vbVDN35B6MWWKUD0
Added on Oct 17, 2025
Never used — Read/write

Delete

New SSH key

GPG keys

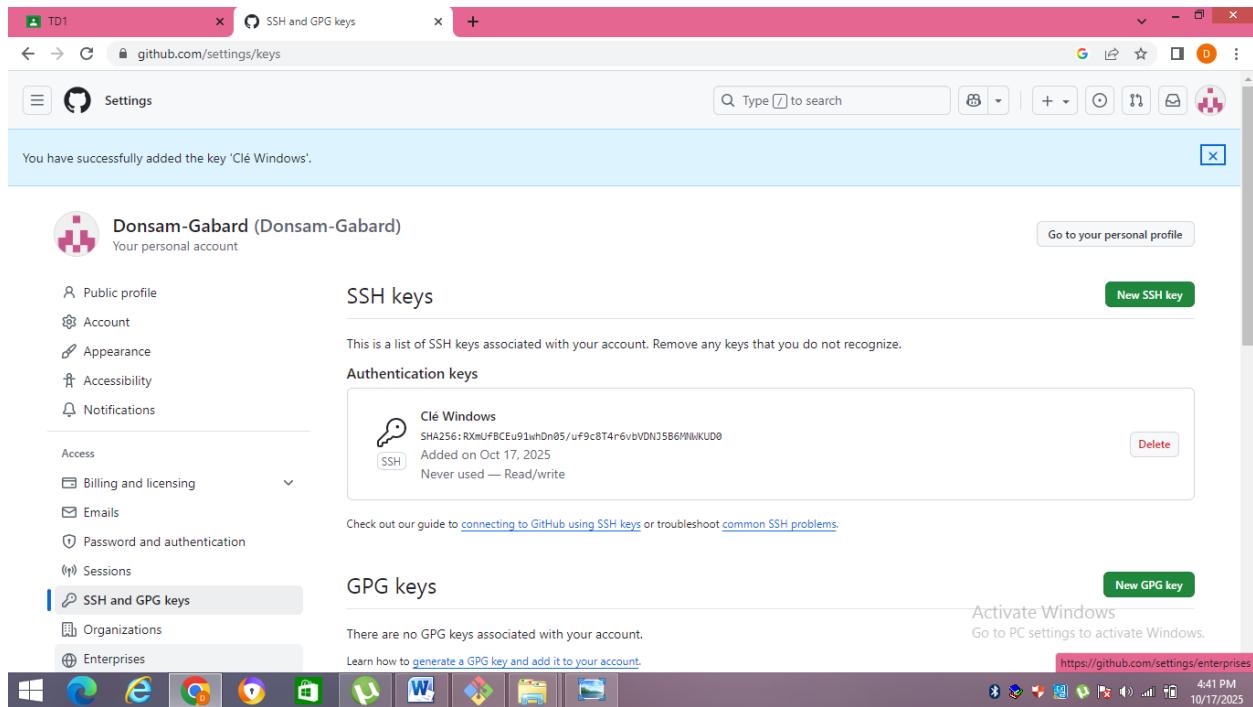
There are no GPG keys associated with your account.

Learn how to [generate a GPG key and add it to your account](#).

New GPG key

Activate Windows
Go to PC settings to activate Windows.
<https://github.com/settings/enterprises>

4:41 PM
10/17/2025



❖ Créons un dépôt GitHub :

Create a new repository

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#).
Required fields are marked with an asterisk (*).

1 General

Owner and name **Donsam-Gabard** / **Repository name *** **mon-projet**

Great repository names are short and memorable. How about [bookish-octo-succotash](#)?

Description

0 / 350 characters

2 Configuration

Choose visibility * **Public**

Add README **Off**

READMEs can be used as longer descriptions. [About READMEs](#)

Add .gitignore **No .gitignore**

Activate Windows
Go to PC settings to activate Windows.

4:43 PM 10/17/2025

TD1 New repository

github.com/new

Repository name *
Owner: Donsam-Gabard / Mon-premier-projet
Mon-premier-projet is available.

Great repository names are short and memorable. How about [bookish-octo-succotash?](#)

Description
Laboratoire systèmes 1
22 / 350 characters

Configuration

Choose visibility *
Choose who can see and commit to this repository
Public

Add README
READMEs can be used as longer descriptions. [About READMEs](#)
Off

Add .gitignore
.gitignore tells git which files not to track. [About ignoring files](#)
No .gitignore

Add license
Licenses explain how others can use your code. [About licenses](#)
MIT License

Create repository

Activate Windows
Go to PC settings to activate Windows.

TD1 Donsam-Gabard/Mon-premier-projet

github.com/Donsam-Gabard/Mon-premier-projet

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Mon-premier-projet Public

main 1 Branch 0 Tags Go to file Add file Code About

Donsam-Gabard Initial commit f133532 · 1 minute ago 1 Commit

LICENSE Initial commit 1 minute ago

README MIT license

Add a README Help people interested in this repository understand your project by adding a README.
Add a README

About Laboratoire systèmes 1

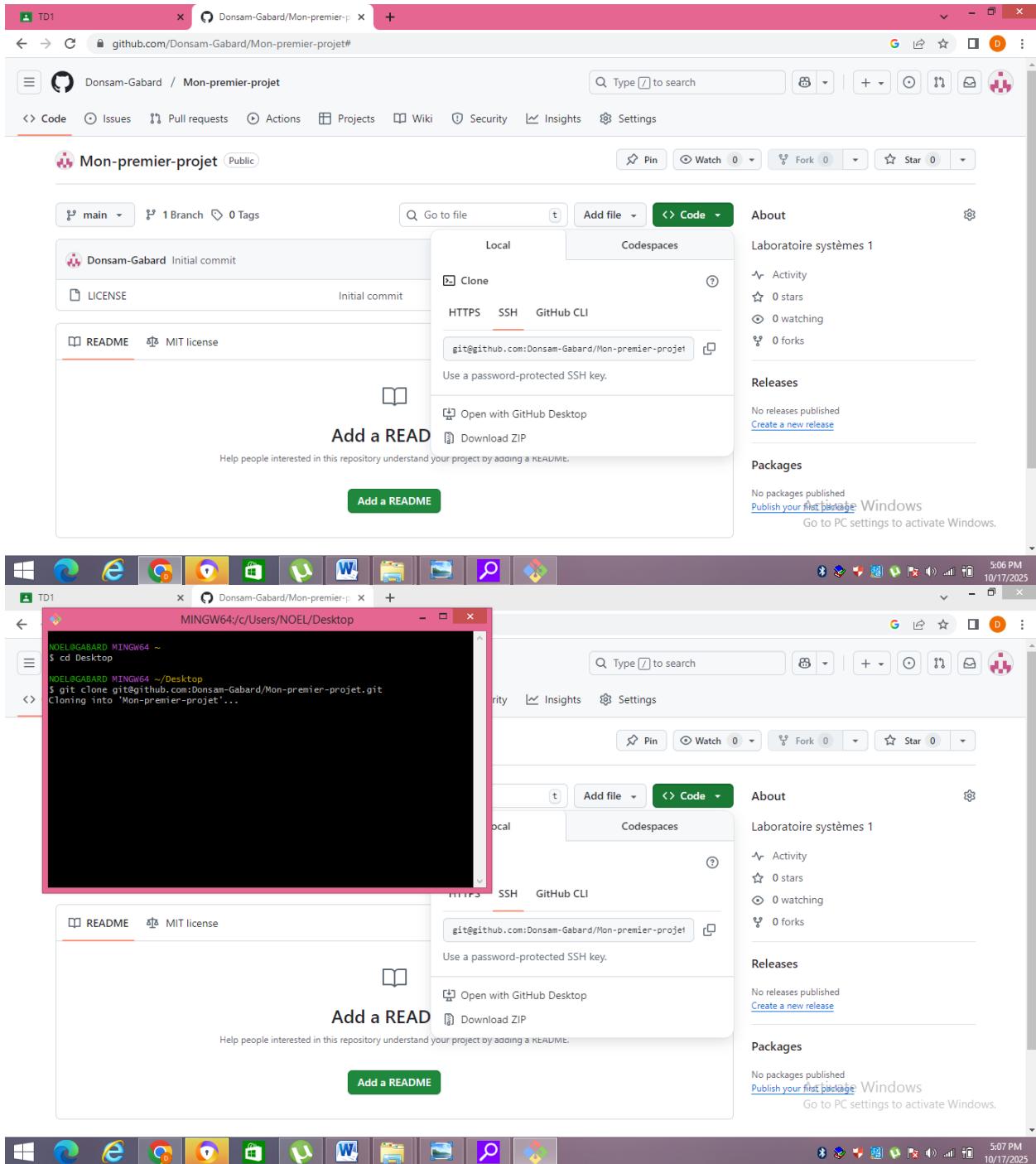
Activity 0 stars 0 watching 0 forks

Releases No releases published Create a new release

Packages No packages published Publish your first package

Activate Windows Go to PC settings to activate Windows.

❖ Clonons un dépôt GitHub via SSH :



A screenshot of a Windows desktop environment. In the foreground, a terminal window titled 'MINGW64' is open, showing the command line and a git clone error message. In the background, a GitHub repository page for 'Donsam-Gabard/Mon-premier-projet' is displayed, showing basic repository statistics like 'About', 'Releases', and 'Packages'.

```
NOEL@GABARD MINGW64 ~  
$ cd Desktop  
NOEL@GABARD MINGW64 ~/Desktop  
$ git clone git@github.com:Donsam-Gabard/Mon-premier-projet.git  
Cloning into 'Mon-premier-projet'...  
The authenticity of host 'github.com (140.82.113.4)' can't be established.  
ED25519 key fingerprint is SHA256:+DIYswvV6tUJhbhpzisF/zLDAOzPMsvHdkr4UvC0qU.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])?  
Host key verification failed.  
fatal: Could not read from remote repository.  
  
Please make sure you have the correct access rights  
and the repository exists.  
NOEL@GABARD MINGW64 ~/Desktop
```

Donsam-Gabard/Mon-premier-projet

Type / to search

Insights Settings

Pin Watch Fork Star

About Laboratoire systèmes 1

Activity 0 stars 0 watching 0 forks

Releases No releases published Create a new release

Packages No packages published Publish your first package Windows Go to PC settings to activate Windows.

A second screenshot of a Windows desktop environment, identical to the first one, showing the same terminal output and GitHub repository page.

```
NOEL@GABARD MINGW64 ~  
$ cd Desktop  
NOEL@GABARD MINGW64 ~/Desktop  
$ git clone git@github.com:Donsam-Gabard/Mon-premier-projet.git  
Cloning into 'Mon-premier-projet'...  
The authenticity of host 'github.com (140.82.113.4)' can't be established.  
ED25519 key fingerprint is SHA256:+DIYswvV6tUJhbhpzisF/zLDAOzPMsvHdkr4UvC0qU.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])?  
Host key verification failed.  
fatal: Could not read from remote repository.  
  
Please make sure you have the correct access rights  
and the repository exists.  
NOEL@GABARD MINGW64 ~/Desktop
```

Donsam-Gabard/Mon-premier-projet

Type / to search

Insights Settings

Pin Watch Fork Star

About Laboratoire systèmes 1

Activity 0 stars 0 watching 0 forks

Releases No releases published Create a new release

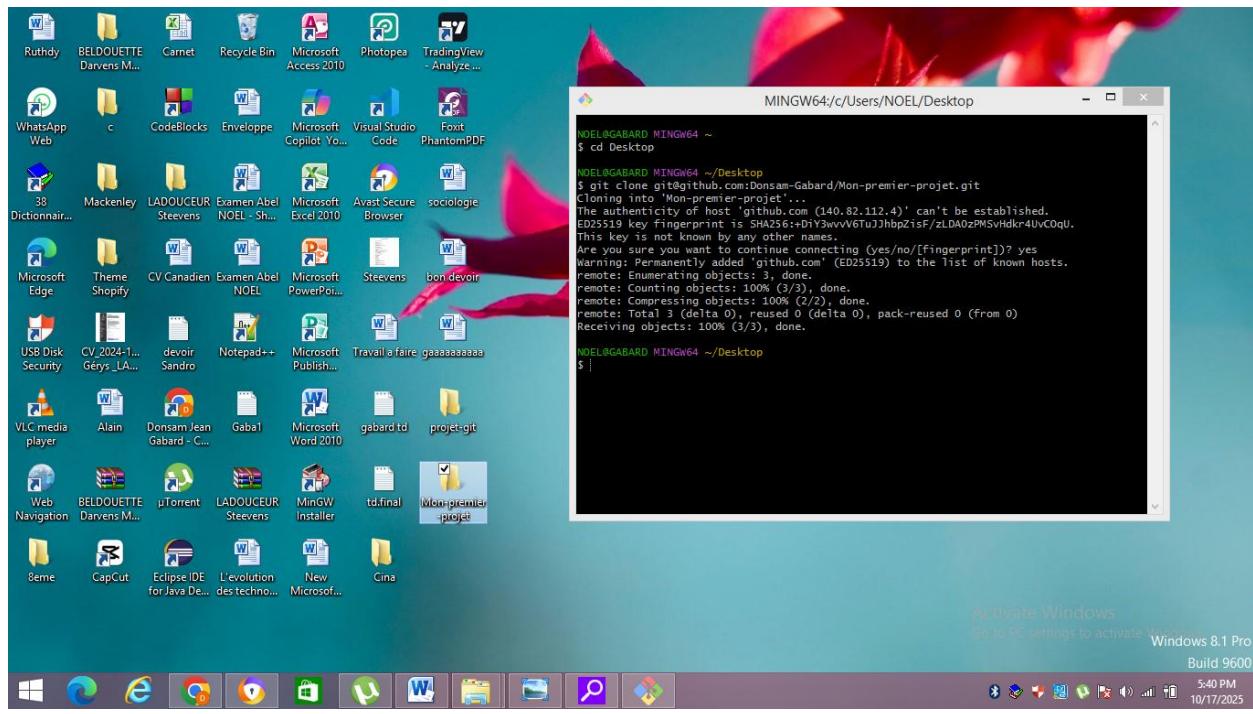
Packages No packages published Publish your first package Windows Go to PC settings to activate Windows.



A screenshot of a GitHub repository page for 'Donsam-Gabard/Mon-premier-projet'. The page includes a sidebar with project details like 'Mon-premier-projet', 'main', 'Dots', 'LIC', and 'README'. A terminal window is open in the center, showing the command \$ git clone git@github.com:Donsam-Gabard/Mon-premier-projet.git and its output. The right side of the screen shows repository statistics: 1 star, 0 forks, and 0 releases. There is also a 'Add a README' button.

A second screenshot of the same GitHub repository page, showing the terminal window with the same git clone command and its output. The repository statistics and 'Add a README' button are also present.





Exercice 2

❖ Créons un nouveau dépôt GitHub, « TD » :

TD1 New repository

github.com/new

General

Owner and name
Donsam-Gabard / TD
TD is available.

Repository name * TD

Great repository names are short and memorable. How about [bookish-octo-couscous?](#)

Description

0 / 350 characters

2 Configuration

Choose visibility * Public

Add README On

READMEs can be used as longer descriptions. [About READMEs](#)

Add .gitignore No .gitignore

.gitignore tells git which files not to track. [About ignoring files](#)

Add license MIT License

Licenses explain how others can use your code. [About licenses](#)

Create repository

Activate Windows
Go to PC settings to activate Windows.

D1 Donsam-Gabard / TD

github.com/Donsam-Gabard/TD

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

TD Public

main 1 Branch 0 Tags

Go file Add file Code

Donsam-Gabard Initial commit 1499aa9 · now 1 Commit

LICENSE Initial commit now

README.md Initial commit now

README MIT license

TD

About

No description, website, or topics provided.

Readme Activity 0 stars 0 watching 0 forks

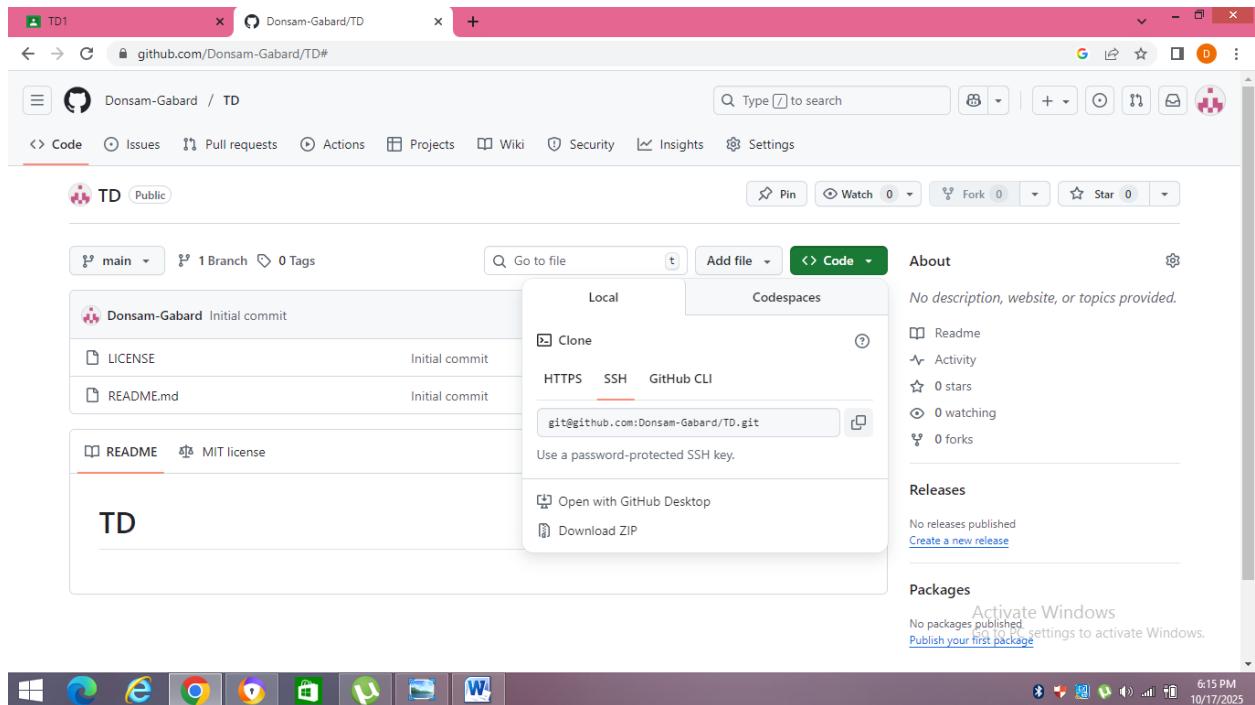
Releases

No releases published Create a new release

Packages

Activate Windows
No packages published Go to PC settings to activate Windows.
Publish your first package

6:14 PM 10/17/2025



- Clonons-le sur le bureau.....

A screenshot of a Windows desktop environment. In the foreground, a terminal window titled 'TD1' is open, showing the command line:

```
NOEL@GABARD MINGW64 ~  
$ cd Desktop  
NOEL@GABARD MINGW64 ~/Desktop  
$ git clone git@github.com:Donsam-Gabard/Mon-premier-projet.git  
Cloning into 'Mon-premier-projet'...
```

The terminal window has a pink border. To the right of the terminal is a GitHub repository page for 'Donsam-Gabard/Mon-premier-projet'. The repository page includes sections for 'About', 'Releases', and 'Packages'. At the bottom of the repository page, there is a note: 'No packages published Publish your first package Windows Go to PC settings to activate Windows.'

A screenshot of a Windows desktop environment. In the foreground, a terminal window titled 'TD1' is open, showing the command line:

```
NOEL@GABARD MINGW64 ~  
$ cd Desktop  
NOEL@GABARD MINGW64 ~/Desktop  
$ git clone git@github.com:Donsam-Gabard/Mon-premier-projet.git  
Cloning into 'Mon-premier-projet'...  
The authenticity of host 'github.com (140.82.113.4)' can't be established.  
ED25519 key fingerprint is SHA256:+DIYswvV6UJhbzpzisF/zLDAOzMSVHdkr4UVCoqu.  
This key is not known by other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])?  
Host key verification failed  
fatal: Could not read from remote repository.
```

The terminal window has a pink border. To the right of the terminal is a GitHub repository page for 'Donsam-Gabard/Mon-premier-projet'. The repository page includes sections for 'About', 'Releases', and 'Packages'. At the bottom of the repository page, there is a note: 'No packages published Publish your first package Windows Go to PC settings to activate Windows.'



The screenshot shows a GitHub repository page for 'Mon-premier-projet'. The repository has 0 stars and 0 forks. It features a 'Code' tab, a 'Codespaces' section, an 'About' section with 'Laboratoire systèmes 1' and 'MIT license', and a 'Releases' section with a note about activating Windows. A terminal window on the left shows the command \$ git clone git@github.com:Donsam-Gabard/Mon-premier-projet.git being run in a MINGW64 environment.

GitHub repository page for 'Mon-premier-projet'.

Codepaces

About

Laboratoire systèmes 1

MIT license

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

Activate Windows

No packages published

Go to PC settings to activate Windows.

Publish your first package

Add a README

Download ZIP

Help people interested in this repository understand your project by adding a README.

Add a README

