



University of Antwerp
| Faculty of Science

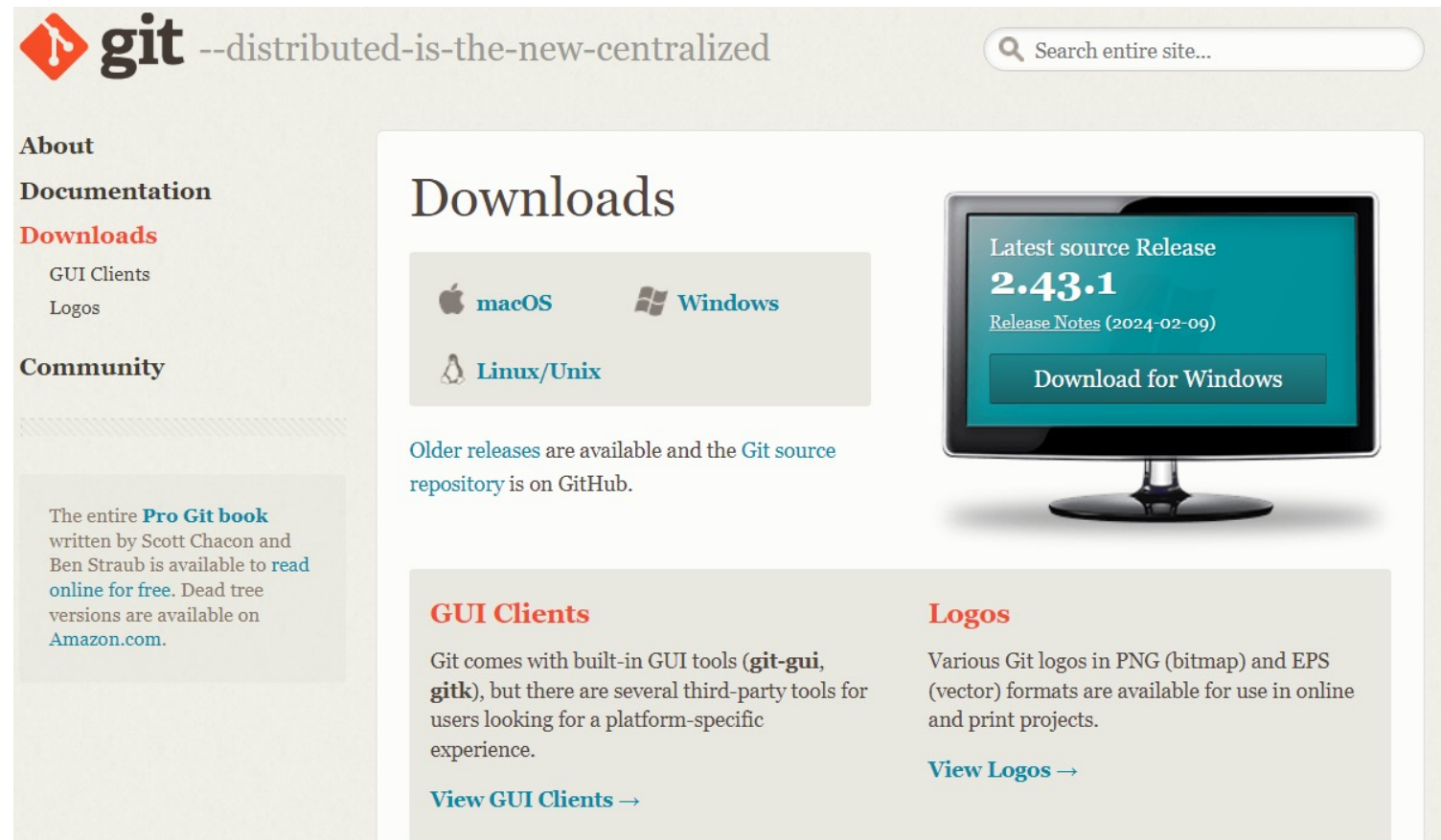
GIT

Project Software Engineering

Installatie van benodigde dependencies

- Installeer Git

- <https://git-scm.com/downloads>

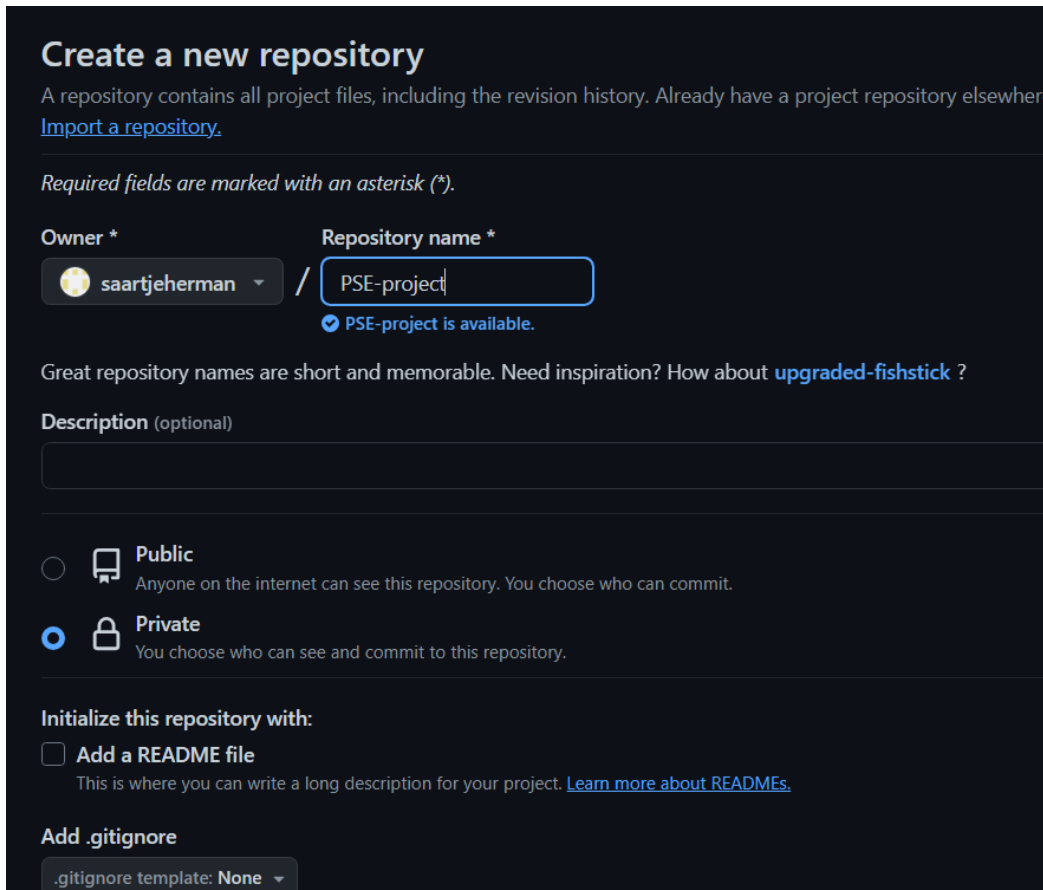


The screenshot shows the Git website's Downloads page. At the top left is the Git logo and the tagline "--distributed-is-the-new-centralized". A search bar is in the top right. The left sidebar contains navigation links: "About", "Documentation", "Downloads" (highlighted in red), "GUI Clients", "Logos", and "Community". Below the sidebar, a text block mentions the "Pro Git book" by Scott Chacon and Ben Straub. The main content area features a "Downloads" heading, followed by three platform-specific download buttons: "macOS" (with an Apple logo), "Windows" (with a Windows logo), and "Linux/Unix" (with a Linux logo). To the right of these buttons is a large monitor graphic displaying the "Latest source Release 2.43.1" and a "Download for Windows" button. Below the download buttons, a note states that older releases are available on GitHub. At the bottom, there are two sections: "GUI Clients" with a link to "View GUI Clients" and "Logos" with a link to "View Logos".

Hoe kan je een project naar GitHub pushen?

Project aanmaken

- Ga naar jouw GitHub account en maak een nieuwe repository aan



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner * / Repository name *

PSE-project is available.

Great repository names are short and memorable. Need inspiration? How about [upgraded-fishstick](#) ?

Description (optional)

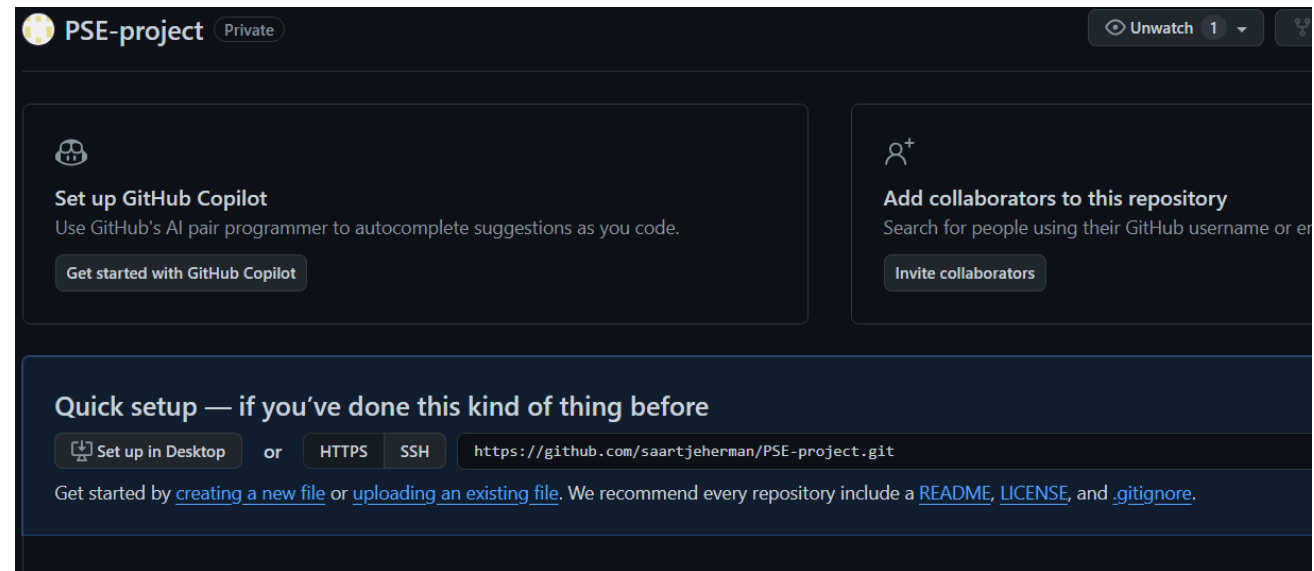
Public
Anyone on the internet can see this repository. You choose who can commit.

Private
You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add **.gitignore**



PSE-project Private Unwatch 1

Set up GitHub Copilot
Use GitHub's AI pair programmer to autocomplete suggestions as you code.
[Get started with GitHub Copilot](#)

Add collaborators to this repository
Search for people using their GitHub username or email.
[Invite collaborators](#)

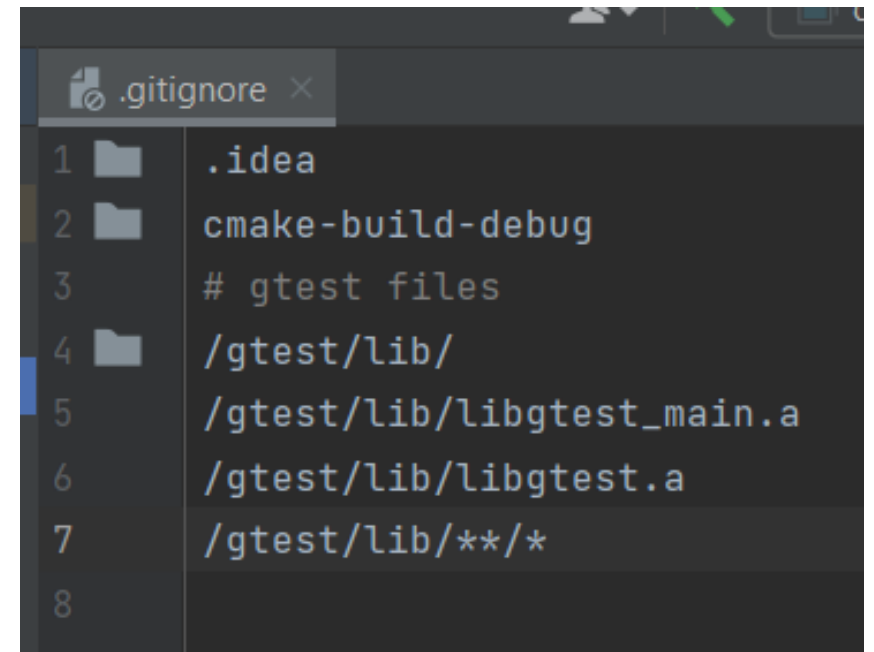
Quick setup — if you've done this kind of thing before

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) `https://github.com/saartjeherman/PSE-project.git`

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

.gitignore aanpassen!!

- Maak een nieuwe file aan **‘.gitignore’** in jouw CLion project
- Op Ansymore vind je een **voorbeeldbestand**
 - Kopieer de inhoud naar jouw .gitignore bestand van jouw project
 - Dit bestand werkt voor Windows, MacOS en Ubuntu
 - **Het is heel belangrijk om een .gitignore aan jouw project toe te voegen aangezien dit anders voor problemen gaat zorgen (specifiek met de bestanden van gtest)**



```
.gitignore
1  .idea
2  cmake-build-debug
3  # gtest files
4  /gtest/lib/
5  /gtest/lib/libgtest_main.a
6  /gtest/lib/libgtest.a
7  /gtest/lib/**/*
8
```

Project naar github pushen

- Open jouw project in CLion
- Open een terminal (GIT bash of CLion terminal)
- Run het commando: **git init**

```
Terminal: Local x + v
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\fried\Desktop\PSE\PSE> git init
Initialized empty Git repository in C:/Users/fried/Desktop/PSE/PSE/.git/
PS C:\Users\fried\Desktop\PSE\PSE> |
```

Project naar github pushen

- Run het commando: **git add .**
 - Dit commando zal jouw bestanden toevoegen
- Run het commando: **git commit -m "first commit"**
 - Dit commando maakt een commit in je Git-repository met het bericht "first commit"

```
PS C:\Users\fried\Desktop\PSE\PSE> git add .
warning: in the working copy of 'CMakeLists.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'main.cpp', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/TicTacToe.cpp', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\fried\Desktop\PSE\PSE> git commit -m "first commit"
[master (root-commit) b2fab47] first commit
 7 files changed, 159 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 CMakeLists.txt
 create mode 100644 main.cpp
 create mode 100644 src/TicTacToe.cpp
```

Project naar github pushen

- Run het commando: **git branch -M main**
- Run het commando: **git remote add origin GIT-LINK**
 - De link kan je vinden bij jouw project op GitHub

```
PS C:\Users\fried\Desktop\PSE\PSE> git branch -M main
PS C:\Users\fried\Desktop\PSE\PSE> git remote add origin https://github.com/saartjeherman/PSE-project.git
PS C:\Users\fried\Desktop\PSE\PSE> █
```

- Run het commando: **git push -u origin main**

```
PS C:\Users\fried\Desktop\PSE\PSE> git push -u origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (10/10), 2.01 KiB | 2.01 MiB/s, done.
Total 10 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/saartjeherman/PSE-project.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\fried\Desktop\PSE\PSE> █
```


Resultaat

The screenshot shows a GitHub repository interface for 'PSE-project', which is marked as 'Private'. The repository is currently on the 'main' branch, with 1 branch and 0 tags. A search bar labeled 'Go to file' is present. The commit history shows a single commit by user 'saartjeherman' with the message 'first commit', identified by hash 'b2fab47' and made 9 minutes ago. The commit details list the following files: a 'src' directory, and files named '.gitignore', 'CMakeLists.txt', and 'main.cpp', all of which were added in the first commit.

PSE-project Private Unwatch 1

main 1 Branch 0 Tags t Add file <> Code

saartjeherman first commit b2fab47 · 9 minutes ago 🕒 1 Commits

src	first commit	9 minutes ago
.gitignore	first commit	9 minutes ago
CMakeLists.txt	first commit	9 minutes ago
main.cpp	first commit	9 minutes ago

