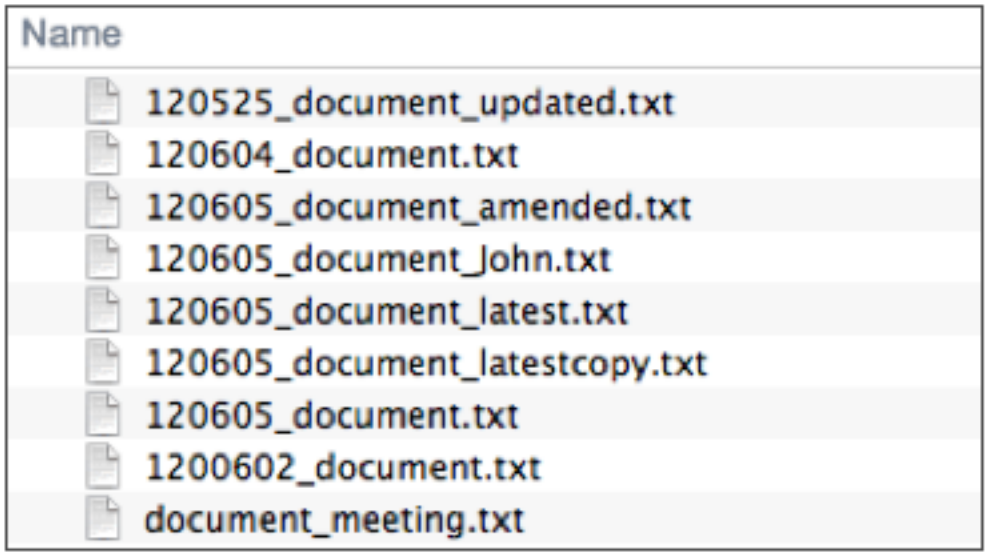
GIT 101

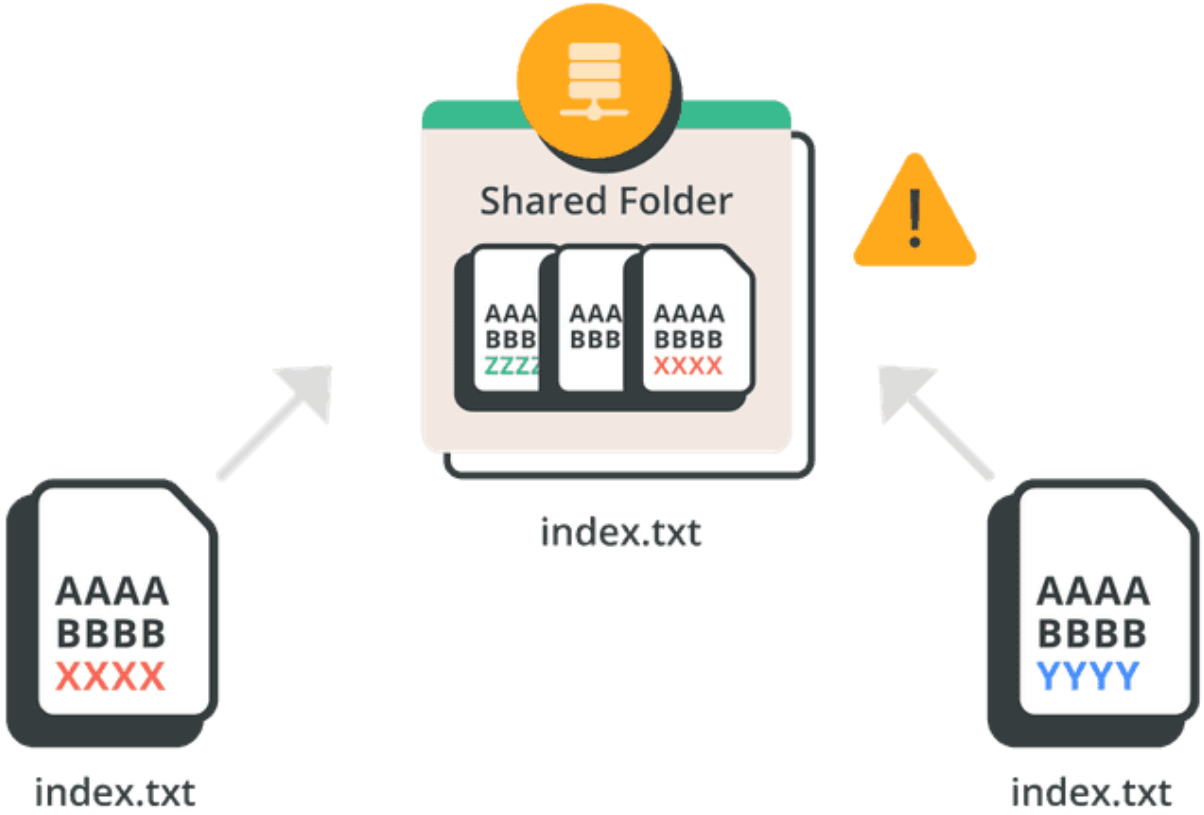
https://nulab.com/learn/software-development/git-tutorial/git-basics/#what-is-git

Version Control

- un sistema per tenere traccia delle modifiche ai file



Gestione distribuita



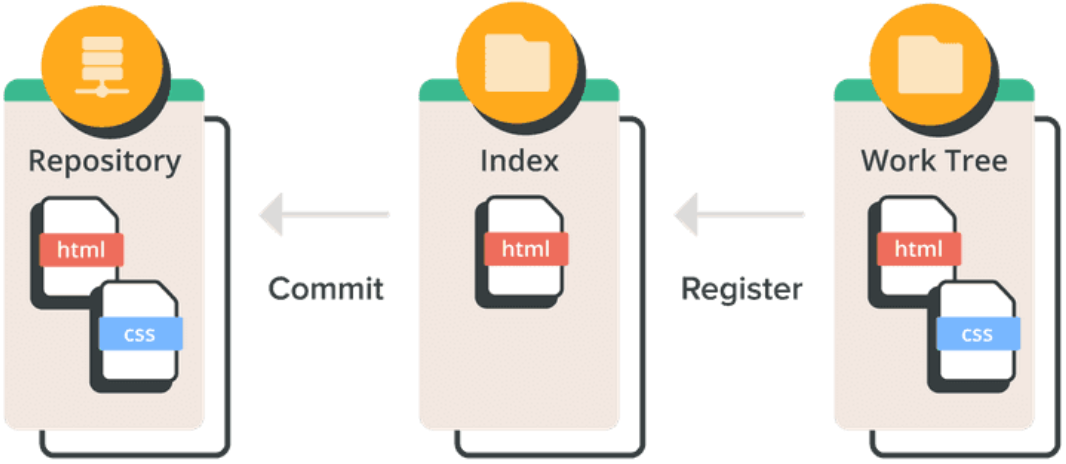
Git

- Git è un controllo di versione open source e distribuito
- Sistema progettato per la velocità e l'efficienza

- vi aiuta a
  - Tiene traccia della cronologia del codice
  - Collaborare al codice come team
  - Scoprire chi ha apportato quali modifiche
  - Distribuire il codice nella gestione temporanea o nella produzione

Componenti

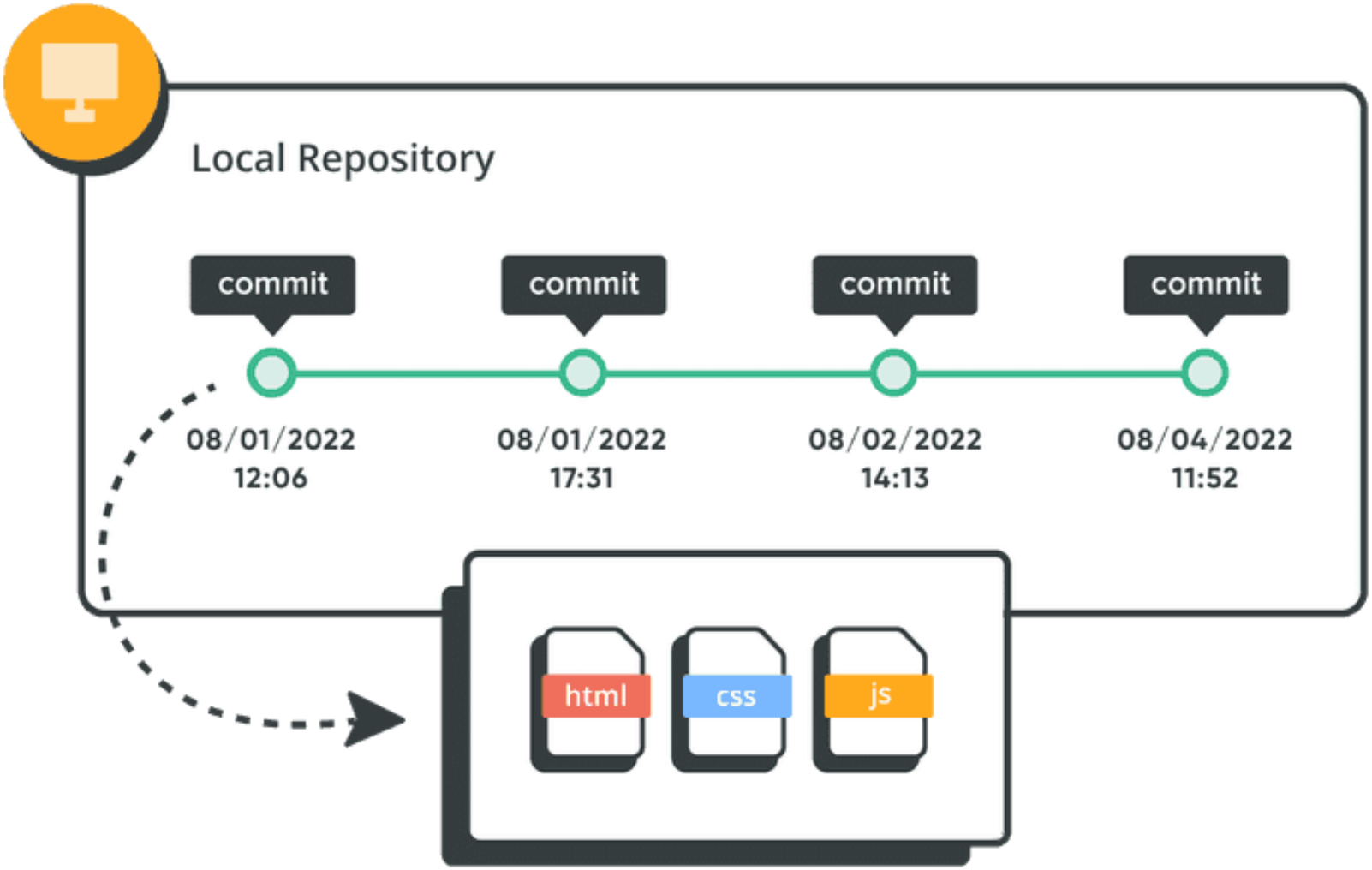
- Repository
  - Il "contenitore" che tiene traccia delle modifiche
- Working tree o directory
  - è costituito da file su cui si sta lavorando
- Index o Staging Area
  - è dove vengono preparati i commit



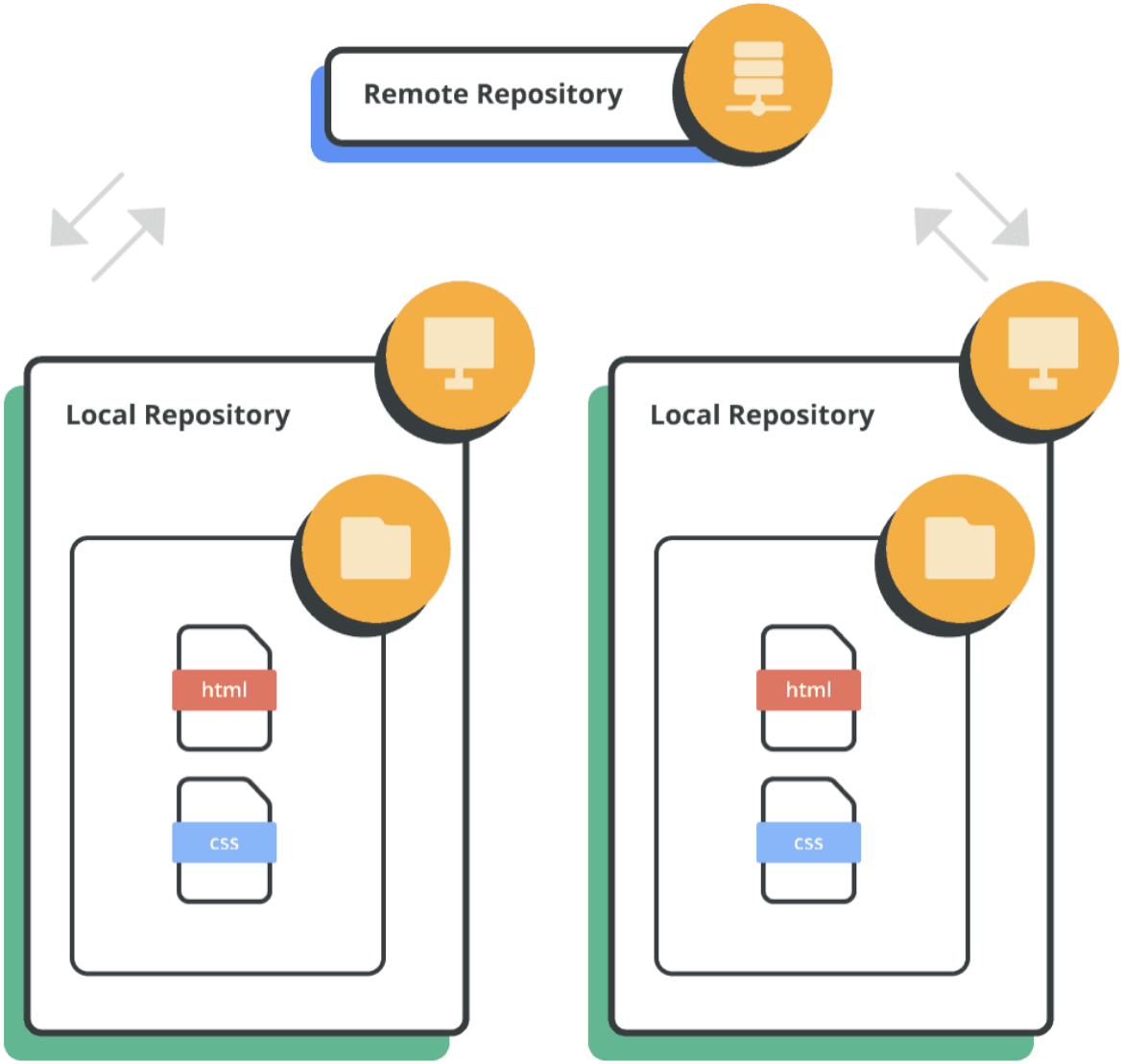
Basic Workflow

1. Modificare i file nel working tree.
2. Eseguire lo staging delle modifiche che si desidera includere nel commit successivo.
3. Eseguire il commit delle modifiche
   - Il commit prenderà i file dall index e li memorizzerà come snapshot nel repository

Commit


Local Repository
commit
commit
commit
commit
08/01/2022
12:06
08/01/2022
17:31
08/02/2022
14:13
08/04/2022
11:52
html
css
js

Repository remoti



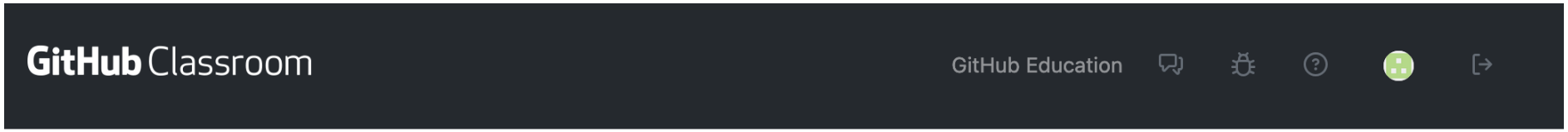
Step Preliminari

- Installare GIT (solo Windows)
  - https://gitforwindows.org/
- Installare VS Code
  - per windows – configurare terminale bash
- Creare Account GitHub
  - https://github.com/
- Configurare Git in VS Code

Primo Esercizio

- Usare il link per accedere all'esercizio

  https://classroom.github.com/a/8ws2etvx



Programmazione Web 2025

Accept the assignment —

Git 101

Once you accept this assignment, you will be granted access to the `git-101-ploreti` repository in the stud-pw-2025 organization on GitHub.

Accept this assignment

GitHub Classroom GitHub Education

You're ready to go!

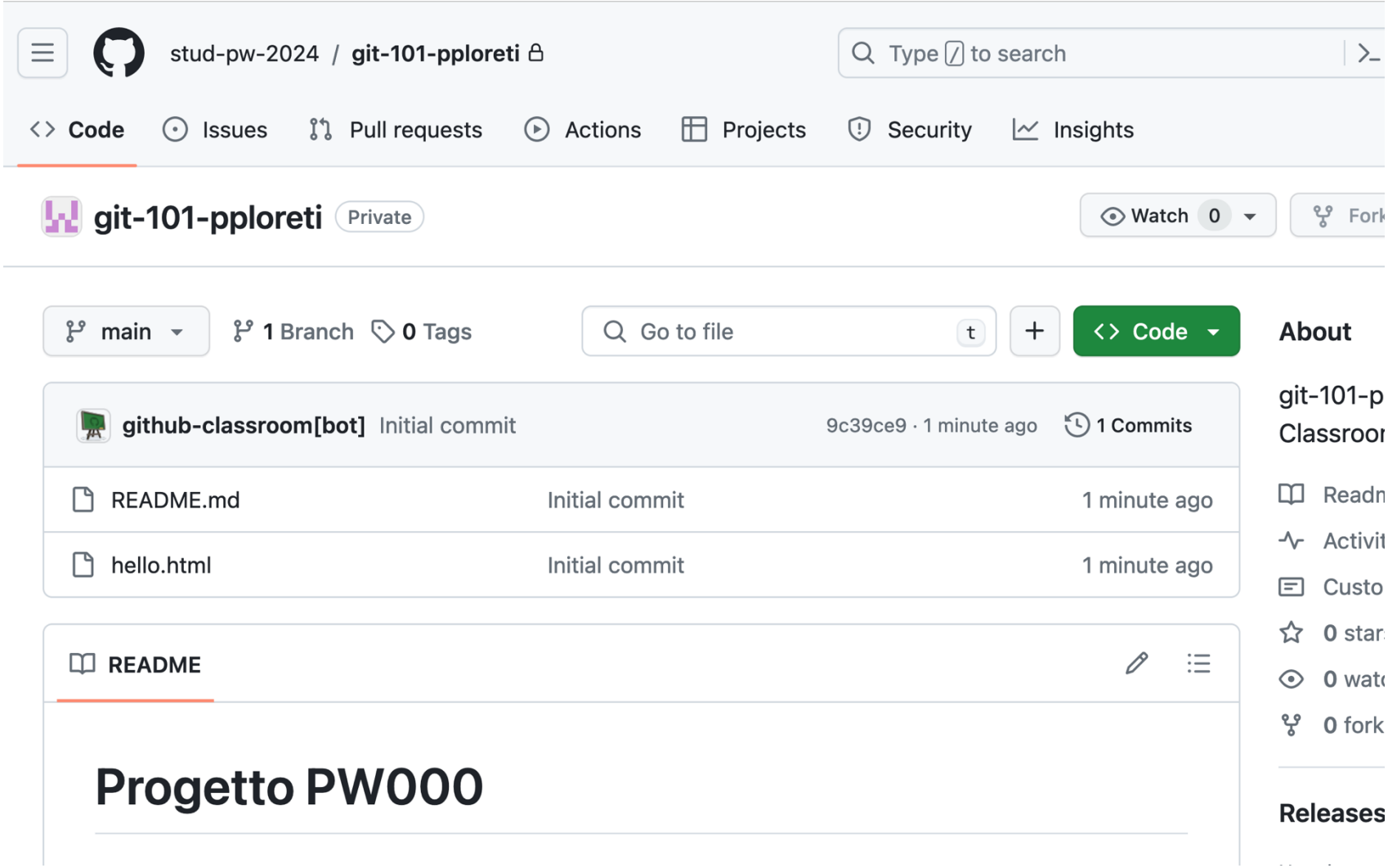
You accepted the assignment, **Git 101**.

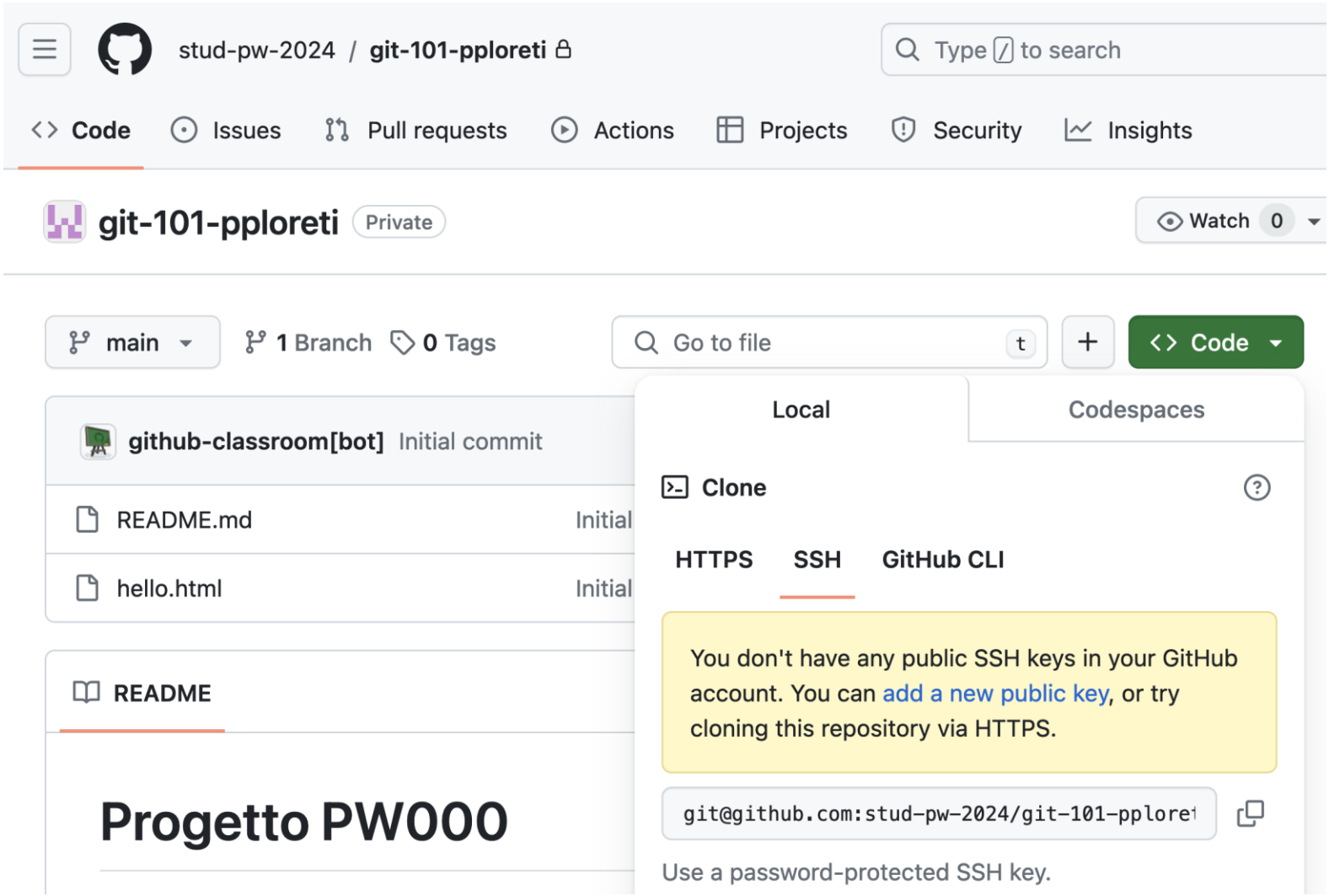
Your assignment repository has been created:

https://github.com/stud-pw-2025/git-101-pploreti

We've configured the repository associated with this assignment.

Your assignment is due by **Mar 15, 2025, 17:00 UTC**


stud-pw-2024 / git-101-pploreti
Type / to search
Code
Issues
Pull requests
Actions
Projects
Security
Insights
git-101-pploreti
Private
Watch 0
main
1 Branch
0 Tags
Go to file
t
Code
About
github-classroom[bot] Initial commit
9c39ce9 · 1 minute ago
1 Commits
README.md
Initial commit
1 minute ago
hello.html
Initial commit
1 minute ago
README
Progetto PW000
Releases


stud-pw-2024 / git-101-pploreti
Type / to search
Code
Issues
Pull requests
Actions
Projects
Security
Insights
git-101-pploreti
Private
Watch 0
main
1 Branch
0 Tags
Go to file
t
Code
Local
Codespaces
github-classroom[bot] Initial commit
README.md
Initial
hello.html
Initial
Clone
HTTPS
SSH
GitHub CLI
You don't have any public SSH keys in your GitHub account. You can add a new public key, or try cloning this repository via HTTPS.
git@github.com:stud-pw-2024/git-101-pplore
Use a password-protected SSH key.
README
Progetto PW000