
UNIVERSITY
OF CRETE

# CS-100 – Git Tutorial

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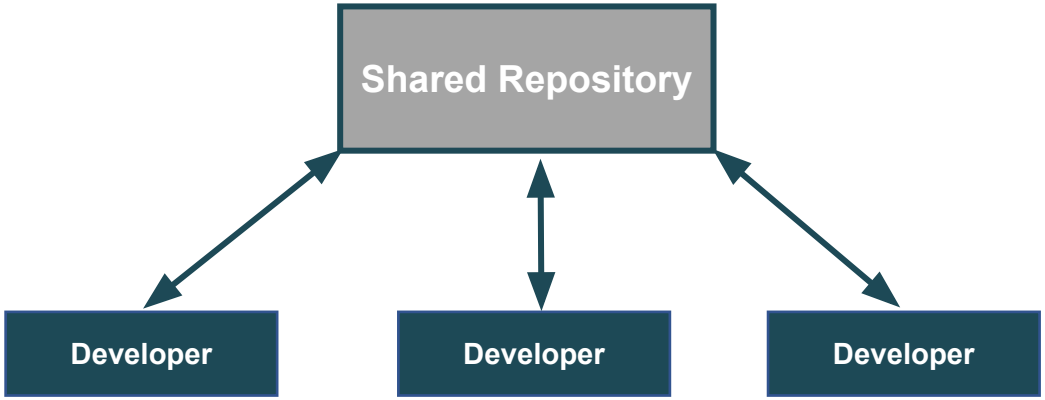
# Outline

- What is git
- How to join CS100 group
- What are ssh keys and how to use them
- How to fork a project
- Make a project private and add TAs as members
- How to use private.py
- How to use git

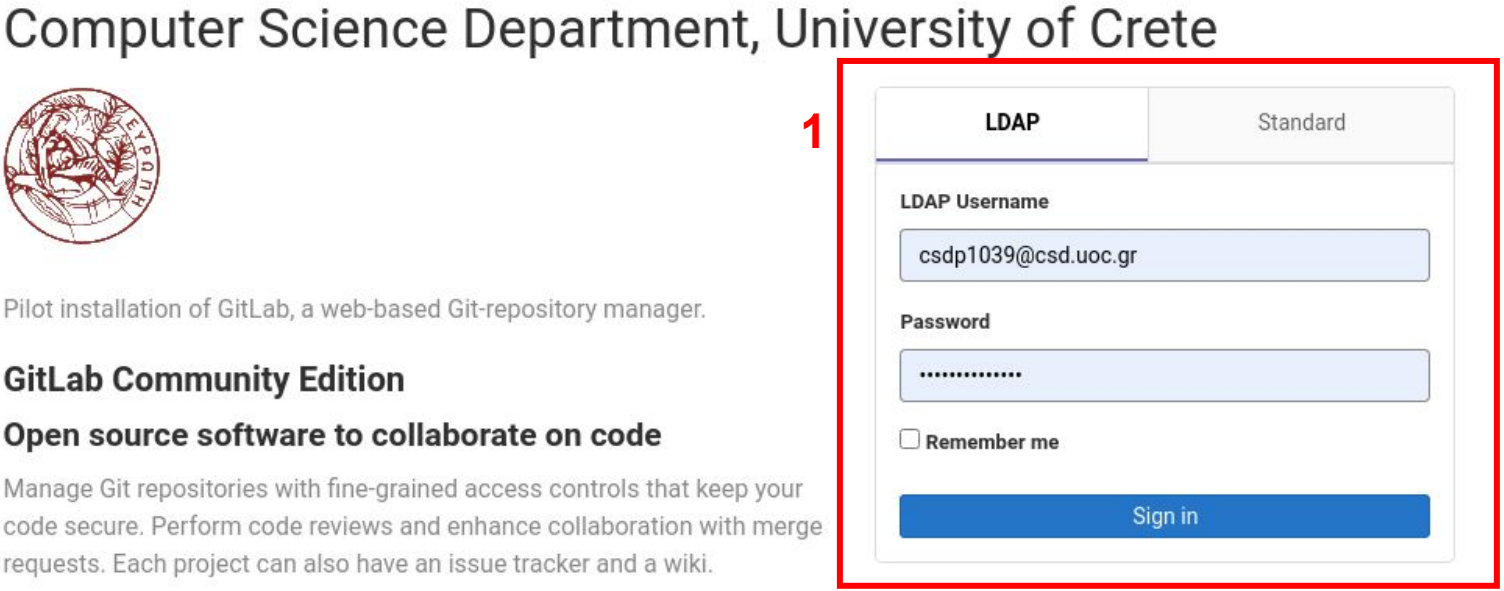
# What is Git?

- Version control system
- Track file history
- Shared among multiple users

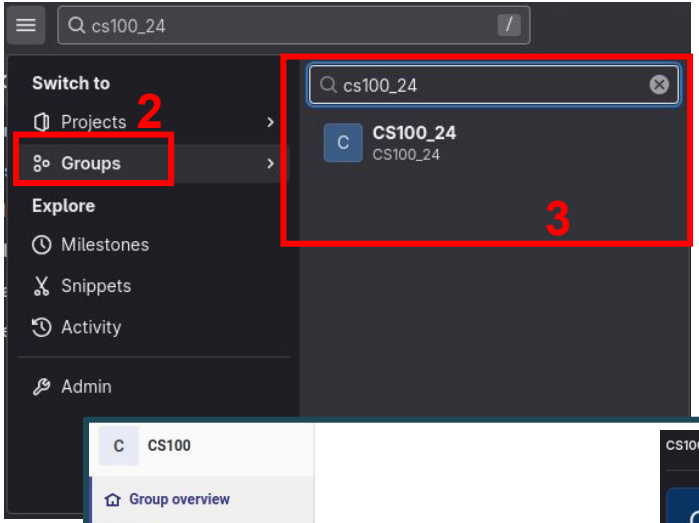


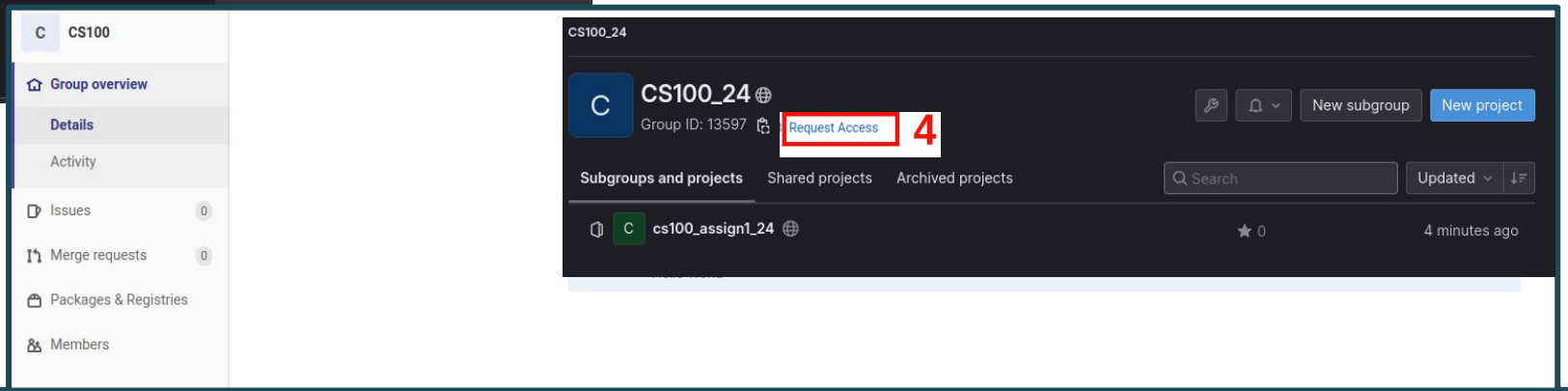
# How to Login to CSD Git?

- Go to csd giltab: https://gitlab-csd.datacenter.uoc.gr



# How to Join CS100 Group?

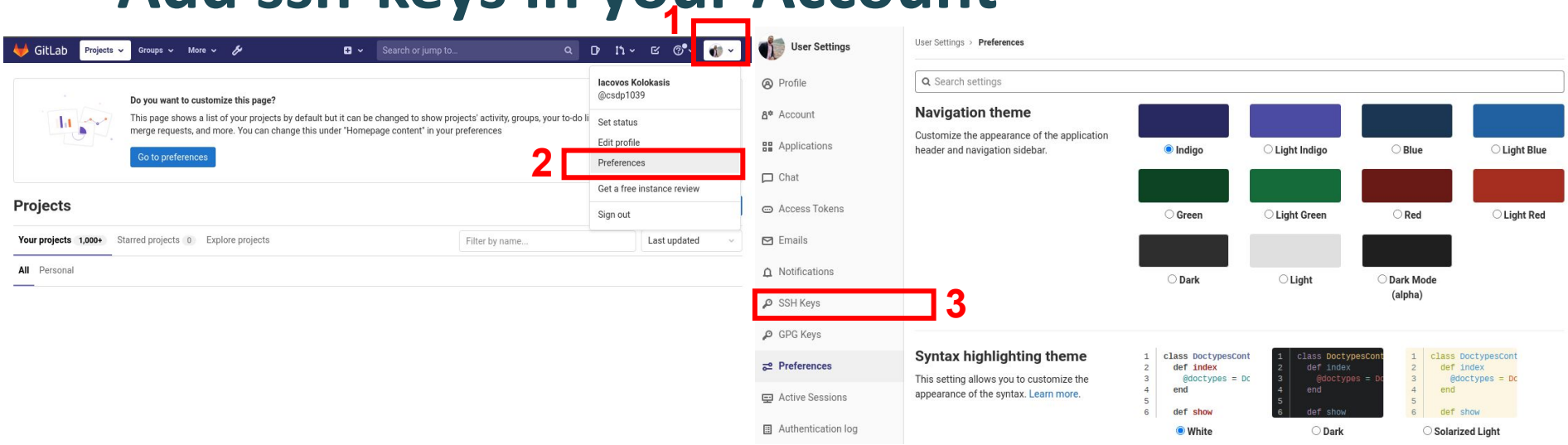


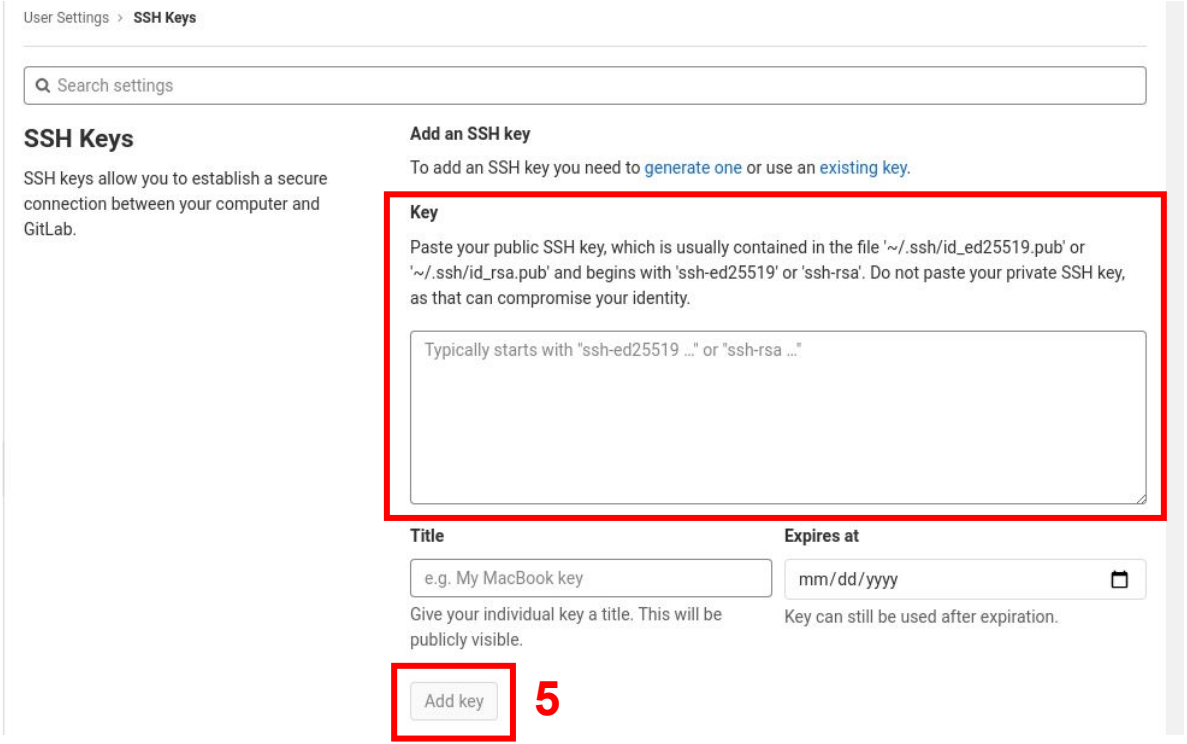
# Generating ssh-keys

- Run: ssh-keygen -t rsa -b  2048 -C "kolokasis@ics.forth.gr"
- Press enter in the next three options
- Run: cat ~/.ssh/id_rsa.pub
- Copy the printed text

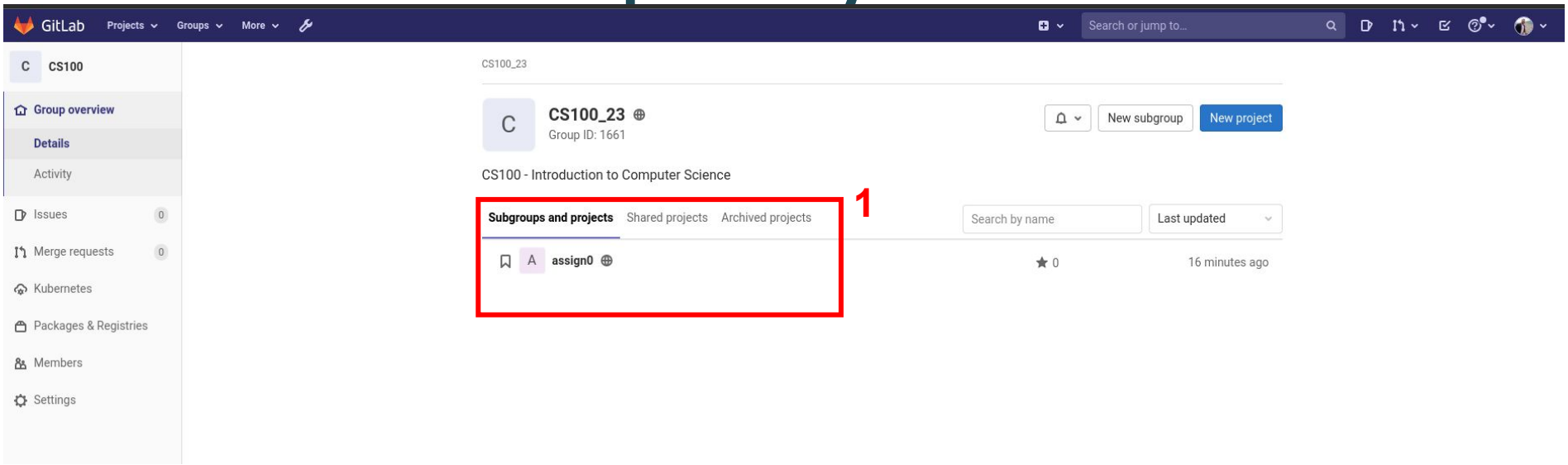
# Add ssh-keys in your Account



# Add ssh-keys in your Account



# How to Fork a Repository



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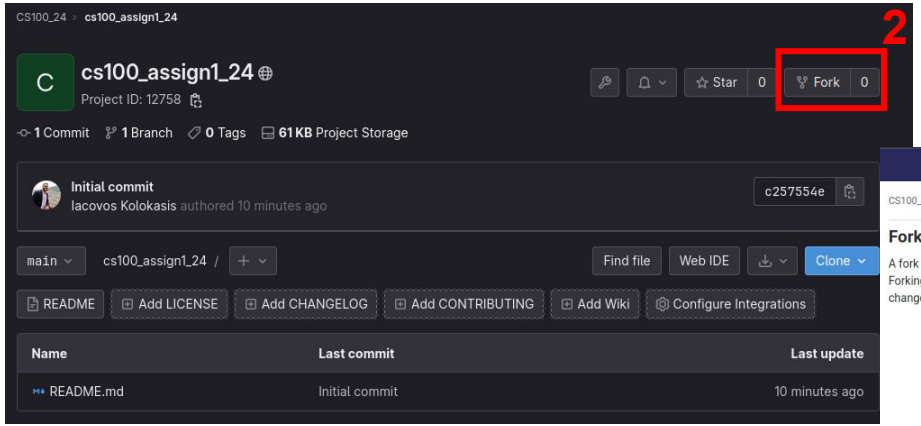
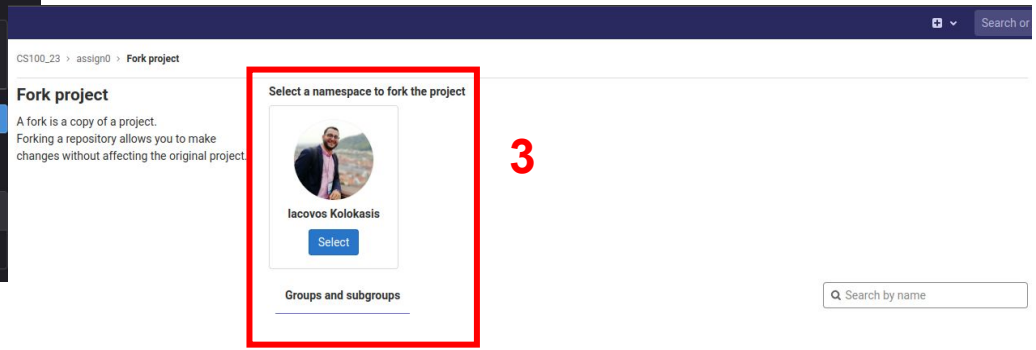
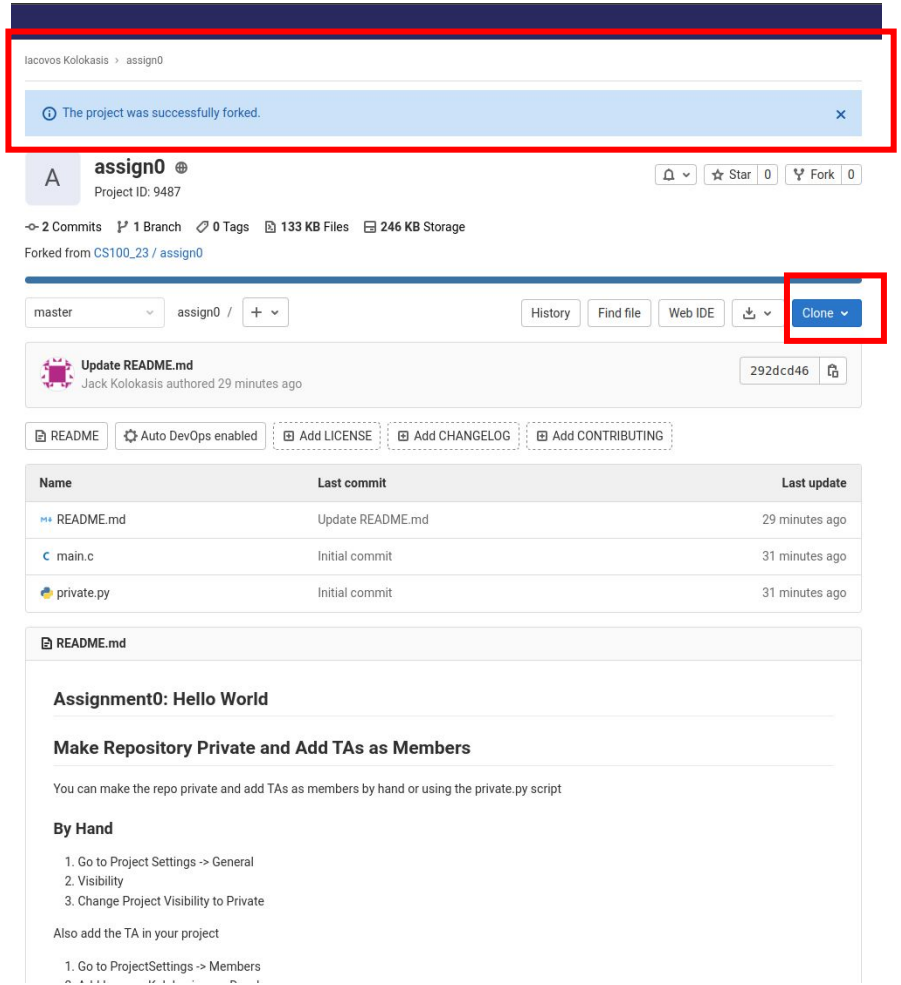


# Info About Fork

- You need to fork each assignment **only once!**
- If you want to download your project in different devices (e.g., laptop, desktop PC) you need to clone it



# Make your Project Private

- To make your project private
- Go to Project Settings -> General
- Visibility
- Change Project Visibility to Private

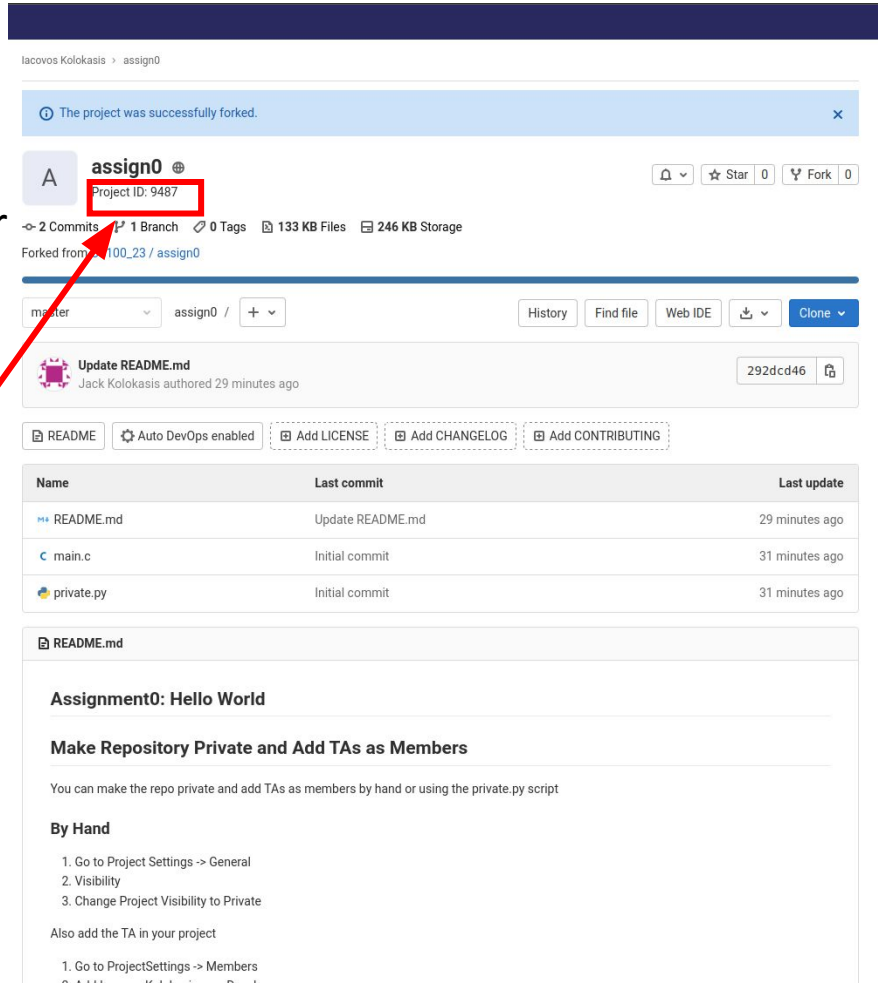
- To add the TAs in your project
- Go to Project Settings -> Members
- Add each TA as a Developer

- But we can avoid to do these steps on every assignment

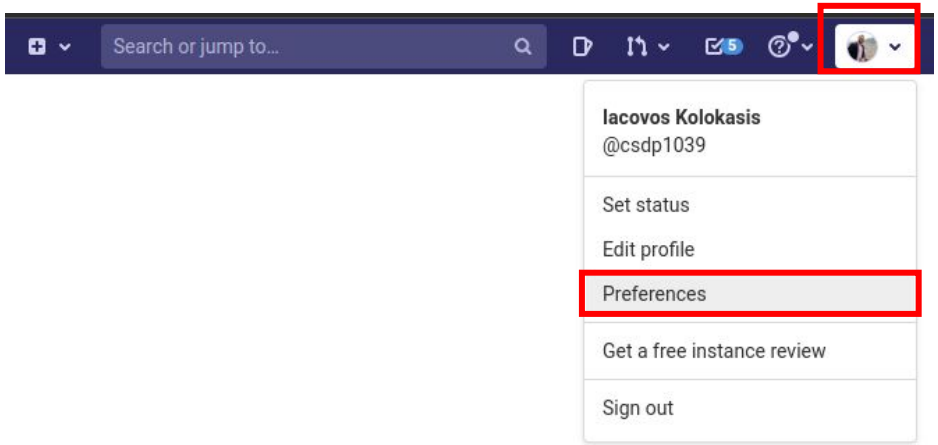
# Using private.py

- Run pip3 install --upgrade python-gitlab --user
- Copy your access token and the assignment project id

**python3 private.py -t <accessToken> -p <projectID>**



# Generating an Access Token



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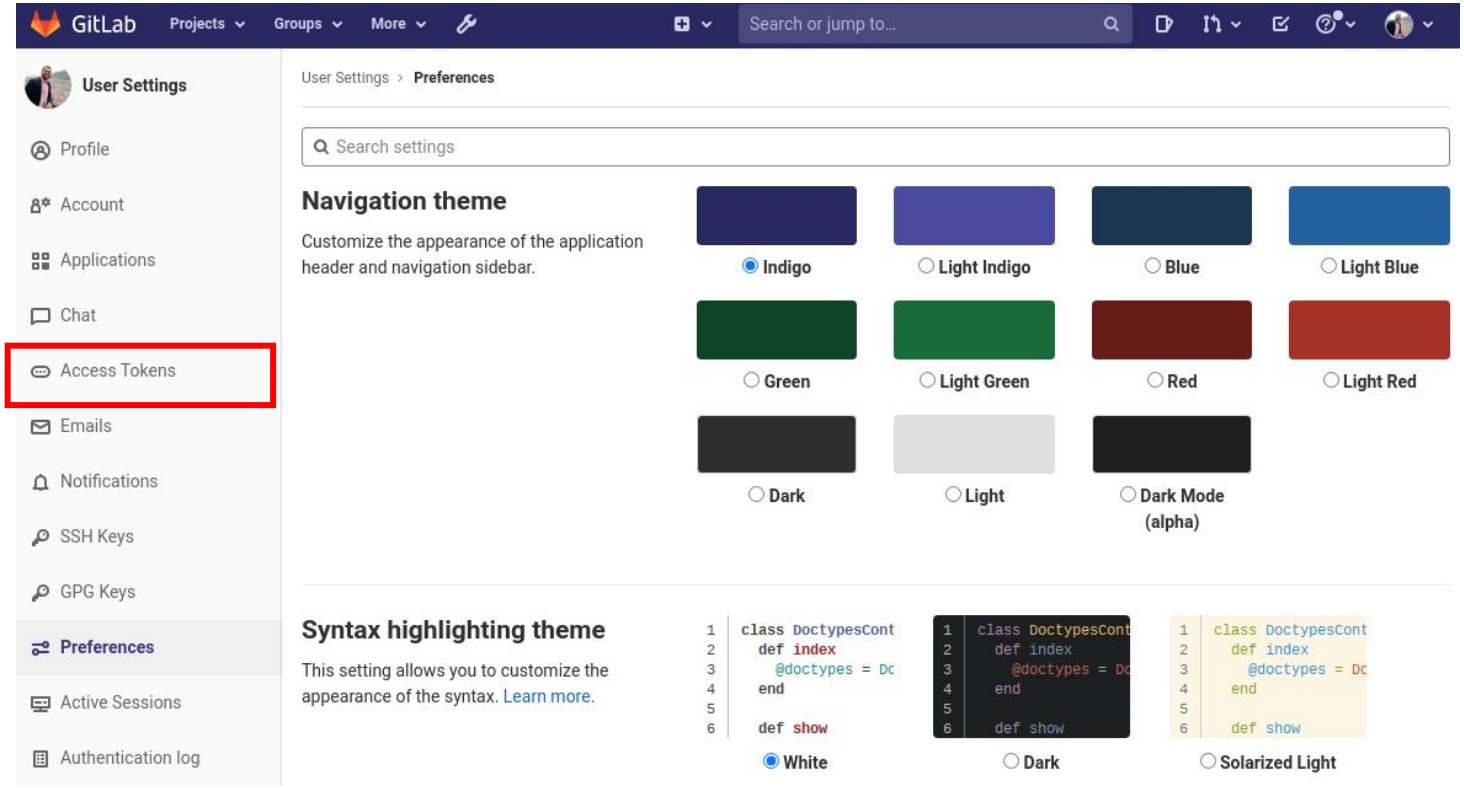

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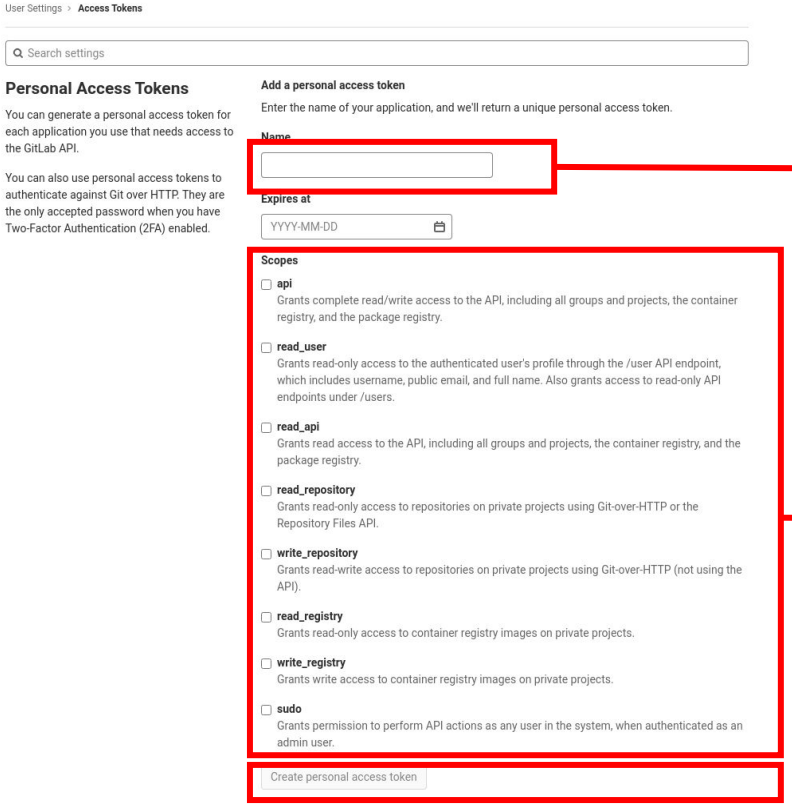
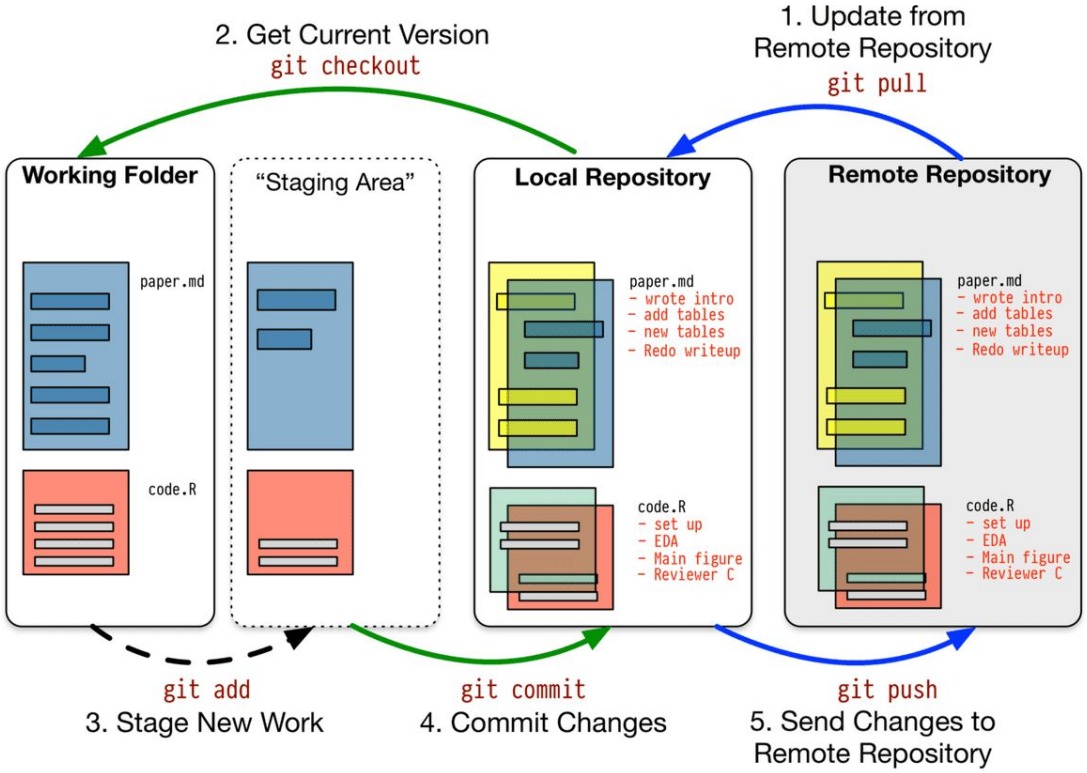



Add your name e.g., Iacovos Kolokasis

Select all the options

# How does Git Work?



# How to Use Git?

- To download a git repo run
- To stage a file run
- To commit staged files run
- To save your code in the server run
- To turnin your code run "$make turnin"
- To delete a previous turnin run "$make undoTurnin"

# Guidelines

- Commit often – at least one commit for each step
- Pay attention to your commit messages
- Describe precisely the purpose of the commit
- Commit only relevant files and modifications!!
- Push frequently
- In case something goes wrong with your PC/laptop

# Thank you for your attention

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