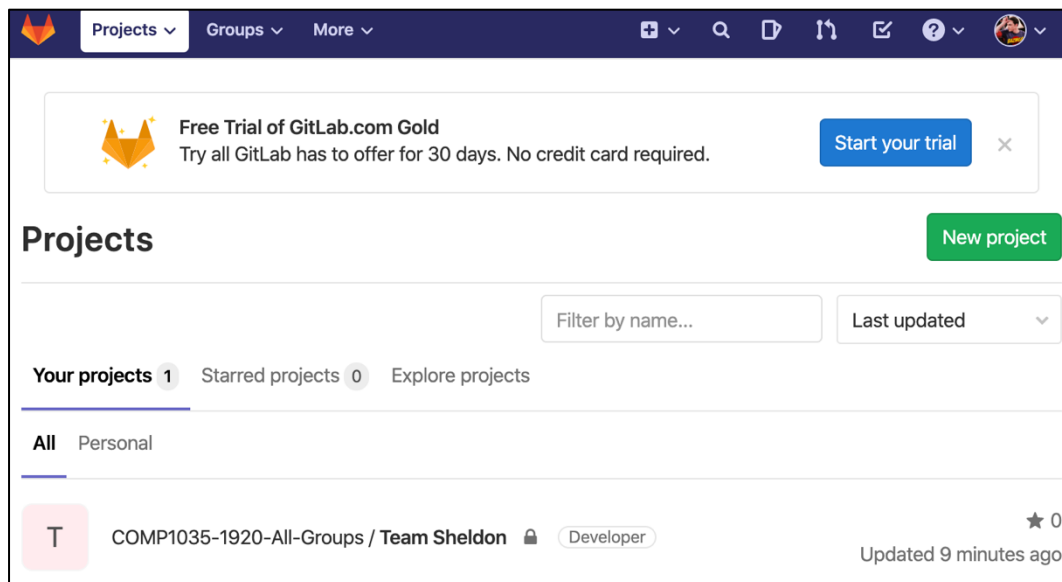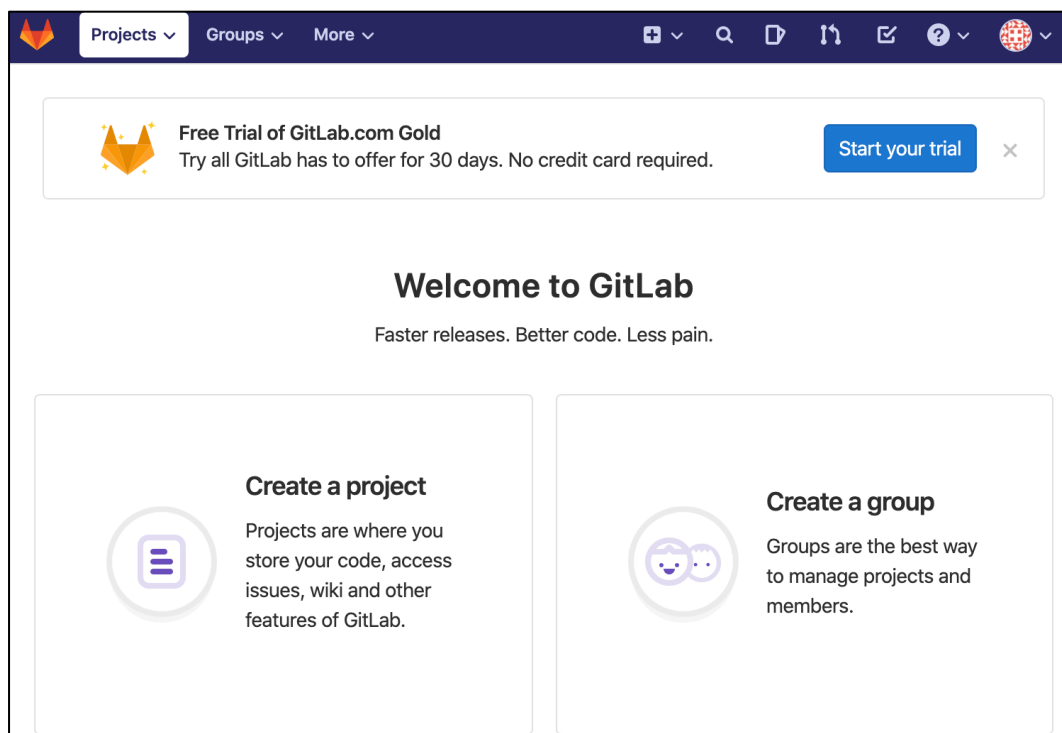# COMP1035 – Lab 02: How to Fork & Clone Repository

Hi, I am Sheldon Cooper. Today, I am going to teach you how to fork and clone the repository into your team repository. First of all, log into https://www.github.com. BAZINGA! 😛😜 (it's a joke). You should log into https://www.gitlab.com.

Hey, this is my team! (There should be only 1 person in the team that is in the group. That particular team member should have the screen with your team name).
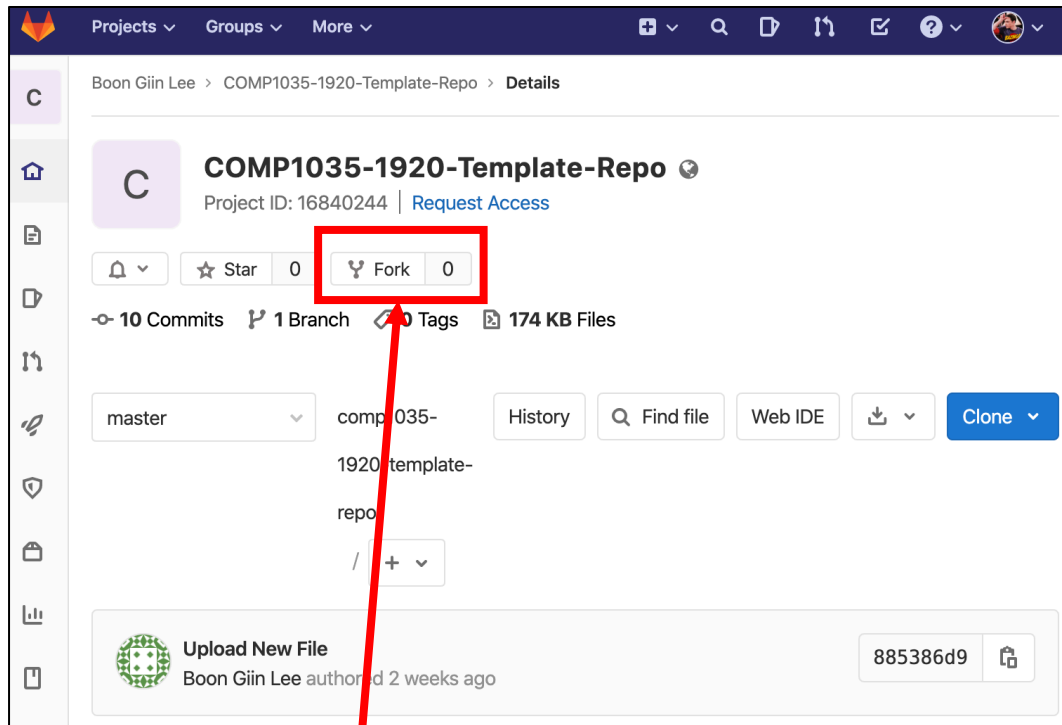

I am lonely here! (Other team members shouldn't see any repository in your screen).
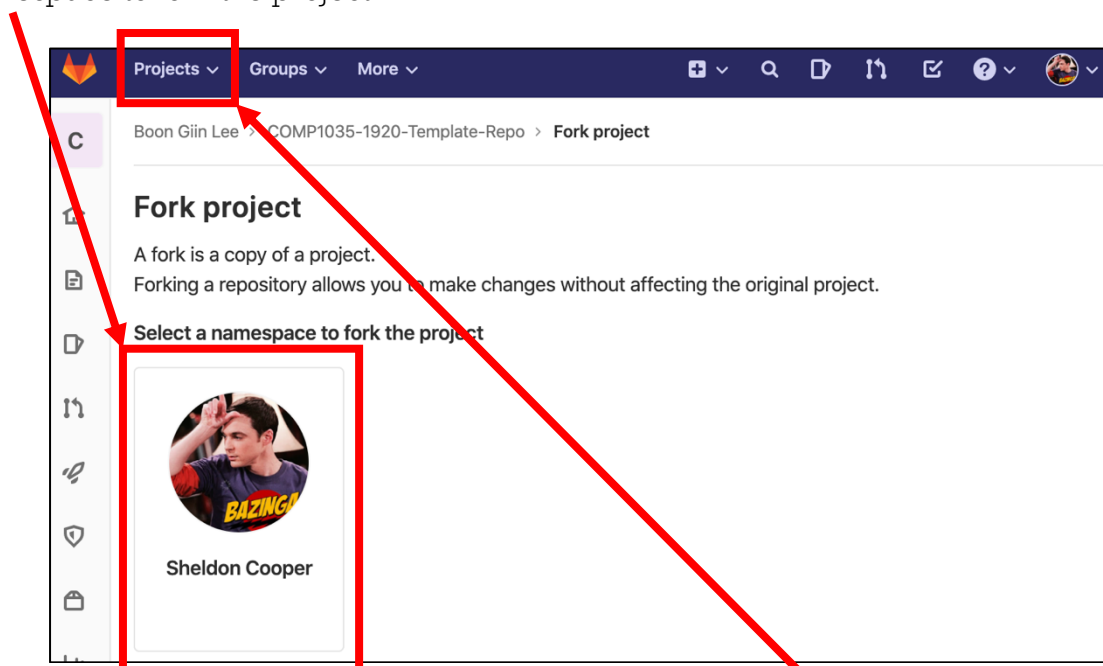

Now I click into my team repository. You should see nothing except a README.md file with the text "Team Sheldon".

Now, I am going to fork the repository to get my lab started. First, I go to gitlab.com/unnc-bglee/comp1035-1920-template-repo.
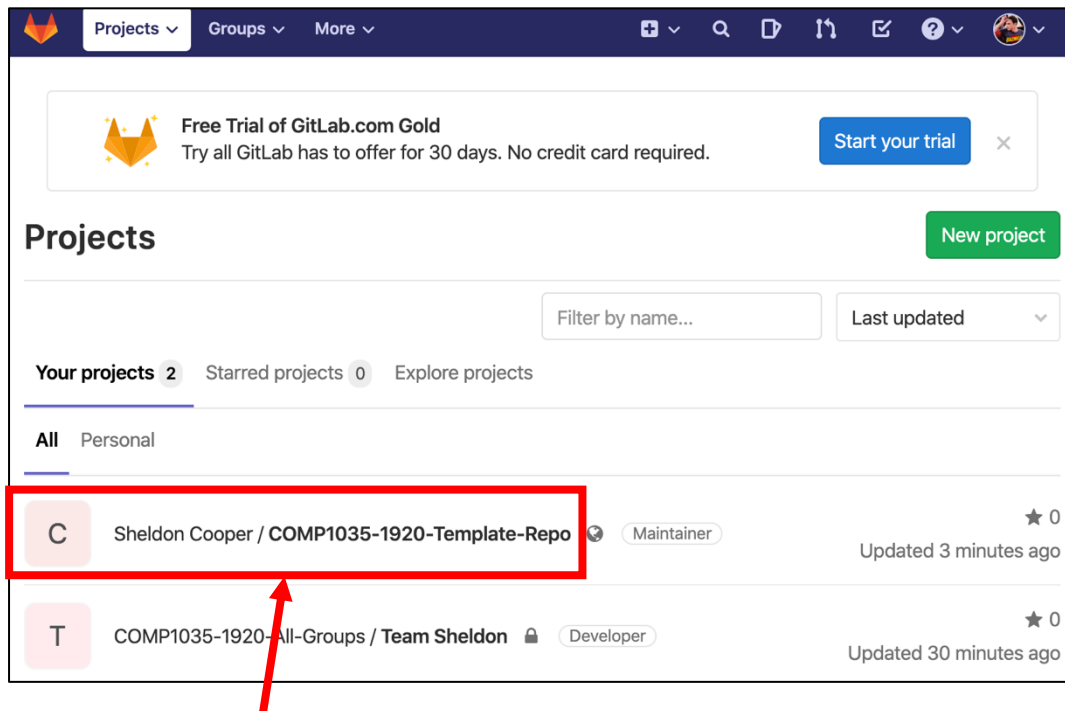

From here, I click on the "Fork" to create a copy into my repository. Then I select my namespace to fork the project.
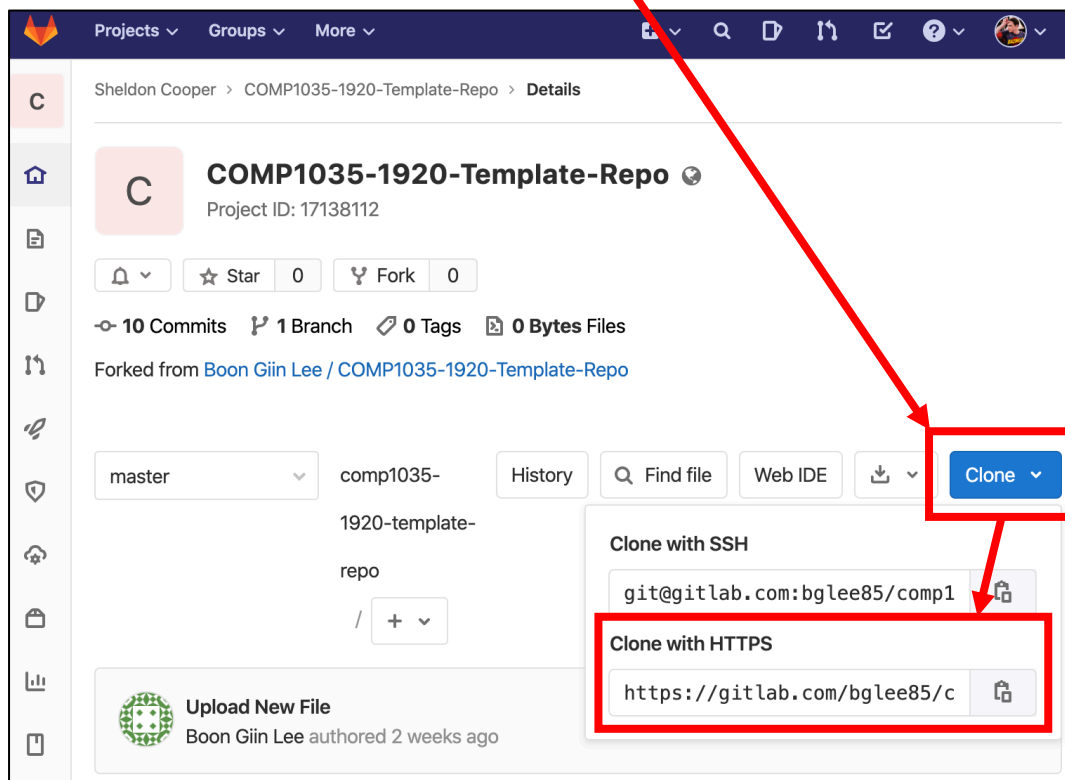

OK, I got a message says, "The project was successfully forked." Good. Now, to verify whether the forked repository is in my team, I will go and click "Projects" on the top and go into my team repository.

Eh, what? The forked repository is not in my team repository! Hm …., oh, the reason is that the fork command actually copy the repository from gitlab.com/unnc-

[bglee/comp1035-1920-template-repo](#) into [gitlab.com/<username>/comp1035-1920-template-repo](#) my repository with the same structure. So, what should I do now? How can I clone this repository into my team repository? Luckily, you have me! Let me, Sheldon The Flash teach you how to do it!
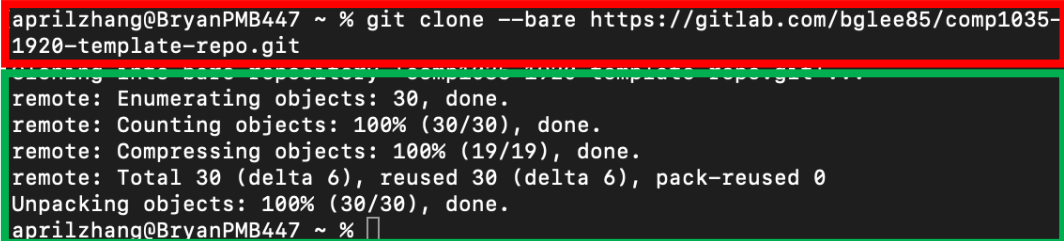

Now, I go into the forked repository and copy the link I need. Make sure you choose the clone with HTTPS!

Then, I go my terminal (you can use command prompt in Windows) and type the necessary command to clone this repository into my local machine.

First, I am going to clone the repository by typing

```
git clone --bare https://gitlab.com/<username>/comp1035-1920-template-repo.git
```
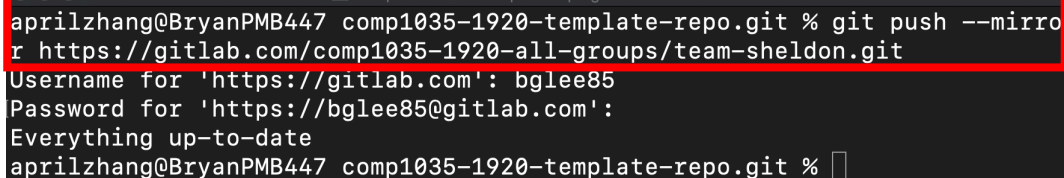

OK. Now I got the message saying cloning successfully. Next I set my path to the git repository I just cloned by typing

```
cd comp1035-1920-template-repo.git
```

Now, I am going to push this cloned repository into my team repository by typing
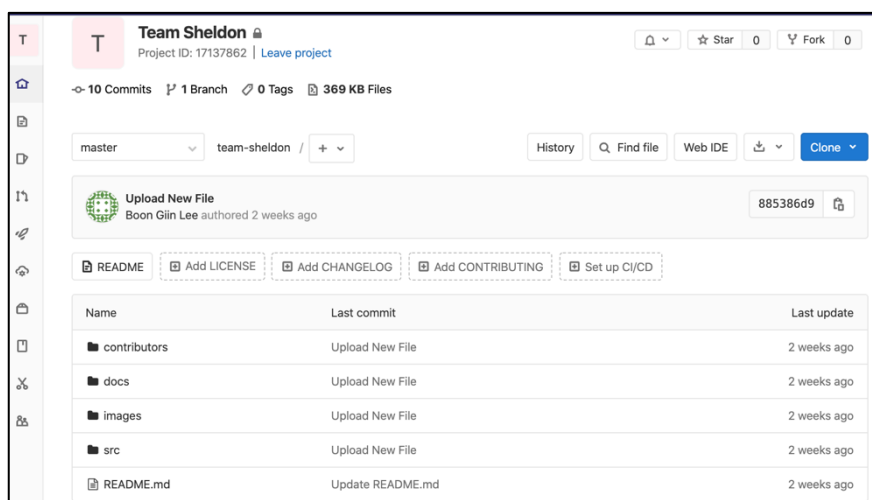
```
git push --mirror https://gitlab.com/comp1035-1920-all-groups/<team-name>.git
```

You can find the link of your team repository the same way I did just now by copy the link at "Clone with HTTPS".
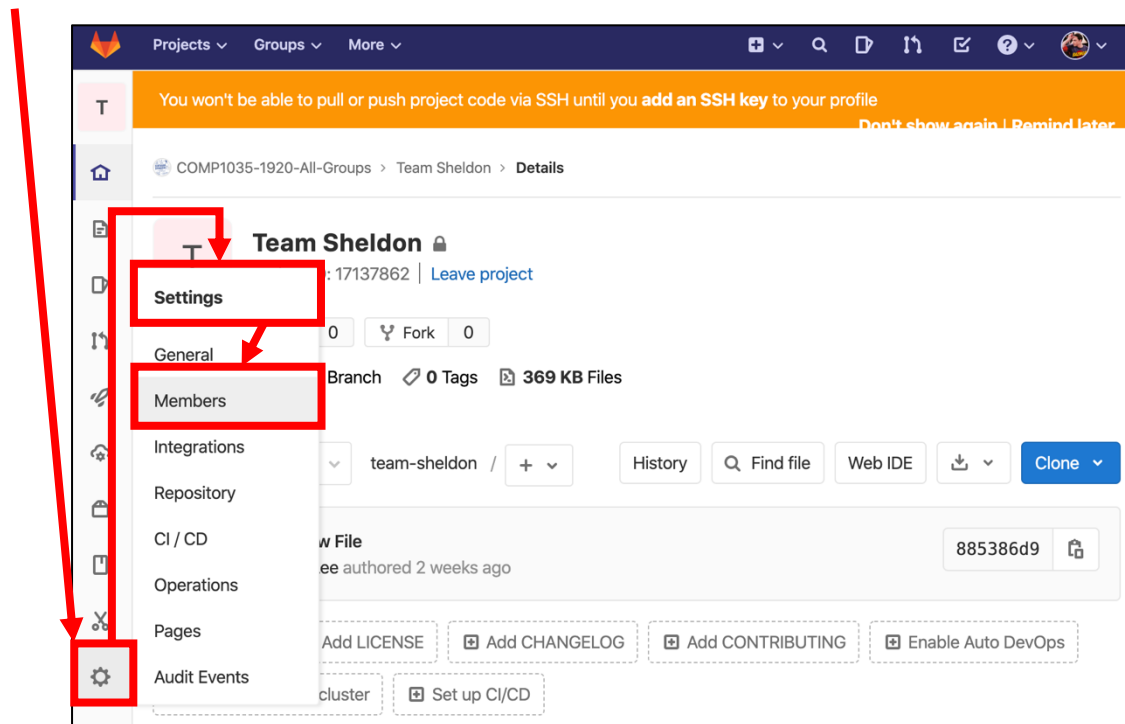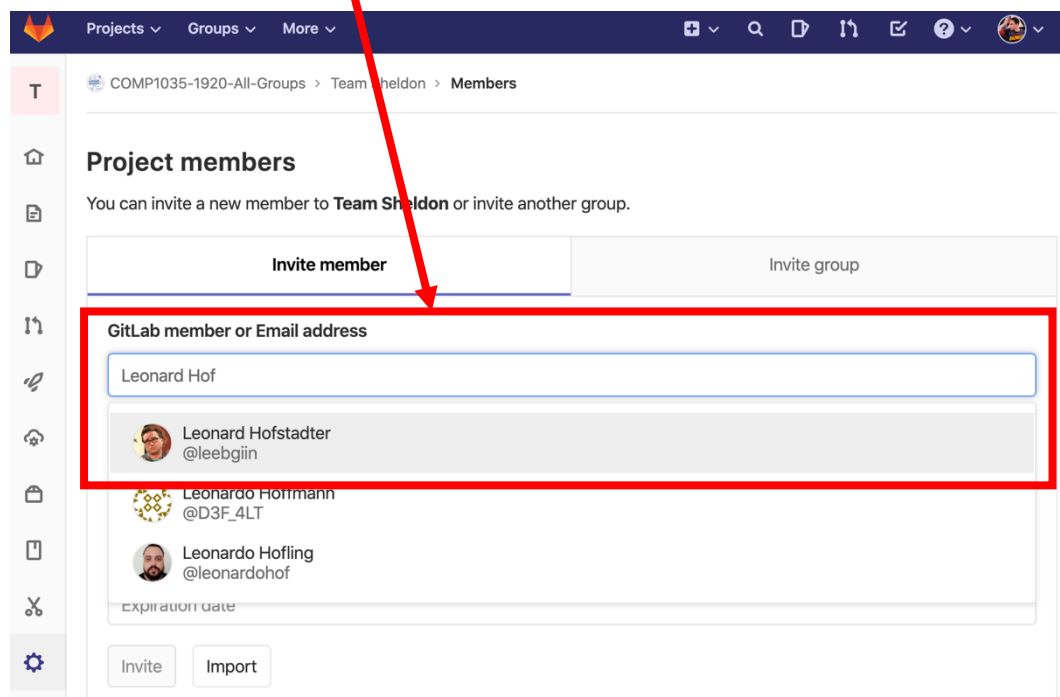

Type in my username and password. Yeah! "Everything up-to-date!". Let go back to the team repository and have a look.

Yes! Seems like everything is in order. A big applause to Sheldon! Now, I can start to work on my repository now. Oh wait, where is my team members?!?! I should add my team member into this project to work with. Click on the "Settings" and follow by "Members" on the left bar.

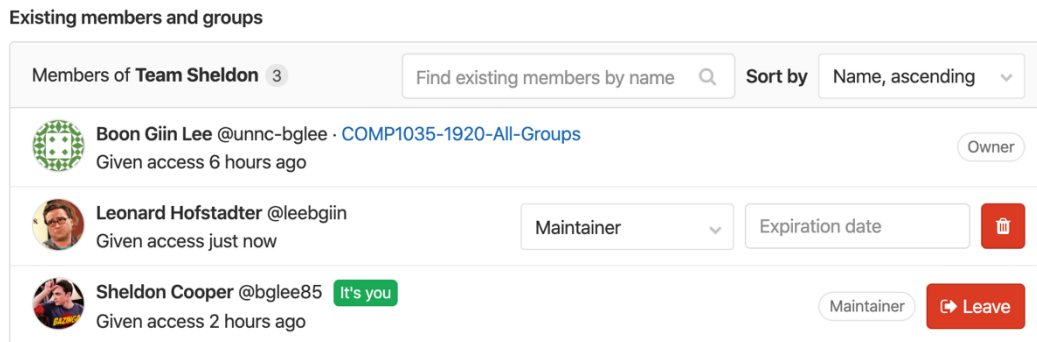Leonard, I am going to add you into my team and assign the role permission "**Maintainer**" to you.

Leonard: "Oh wait, what?!?! Sheldon, I don't want to be in your team!".
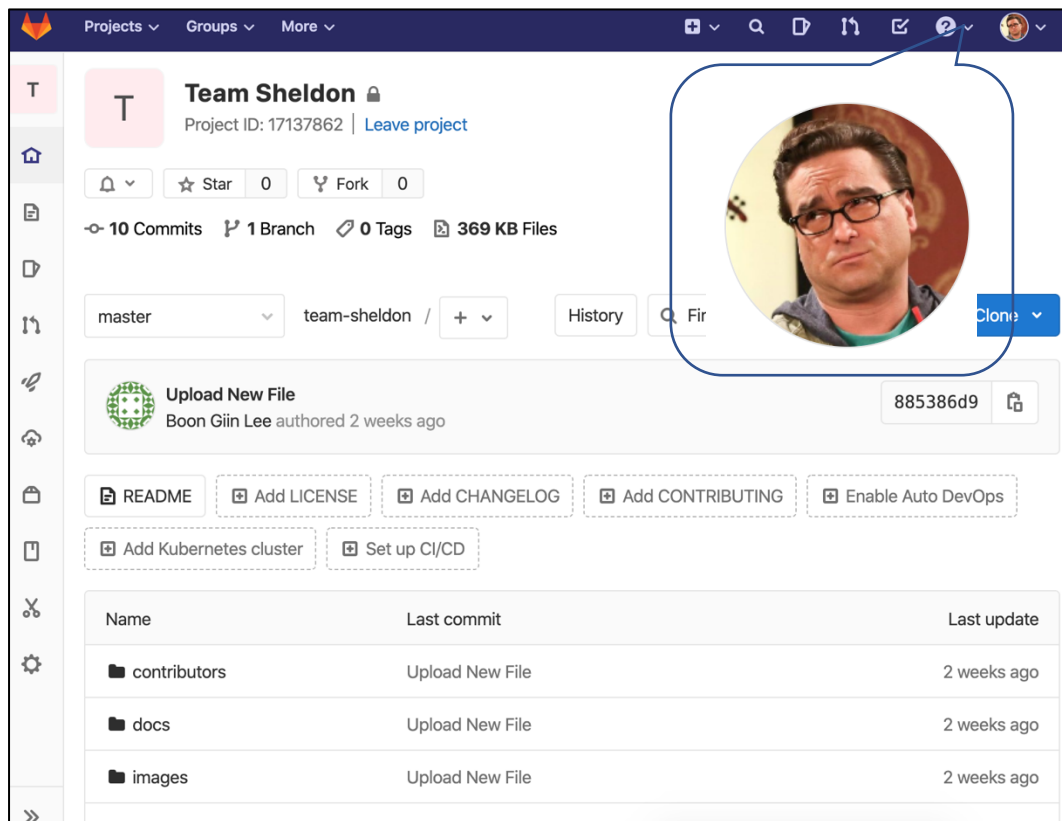Sheldon: "You have no choice, is done.".
Leonard: "…"

Leonard, here the proof for you. You are officially in Team Sheldon!

Leonard: "Oh gosh …".

Leonard: "Let me check my Gitlab repository".

Leonard: "Indeed, I am in the team! I wish this is BAZINGA!

Leonard, now you should clone the repository to your local machine and work on the project. It's my nap time now. Chao!

Leonard: "Sheldon!!! Argghh … You're XXXX XX XXX XX"

Hi everyone, I am Leonard Hofstadter, I am going to take over from here. I am going to clone the team repository into my local machine. I will go to my terminal by typing

```
git clone https://gitlab.com/comp1035-1920-all-groups/<team-name>.git
```

Type in my username and password. Yes. Unpacking successfully. I am going to verify the folder is successfully cloned in my local machine. Yes, it is there. Let's set the path to the folder and list out the files in the folder by typing.

```
cd team-sheldon
ls
open .
```

Great, I have all I need here. That's all. We are done! Ooppss, I am late for the date. Penny is going to mad at me. Bye for now~!