Git and Gitlab assignment

Main Task: GitHub & GitLab Collaboration & Workflow Setup

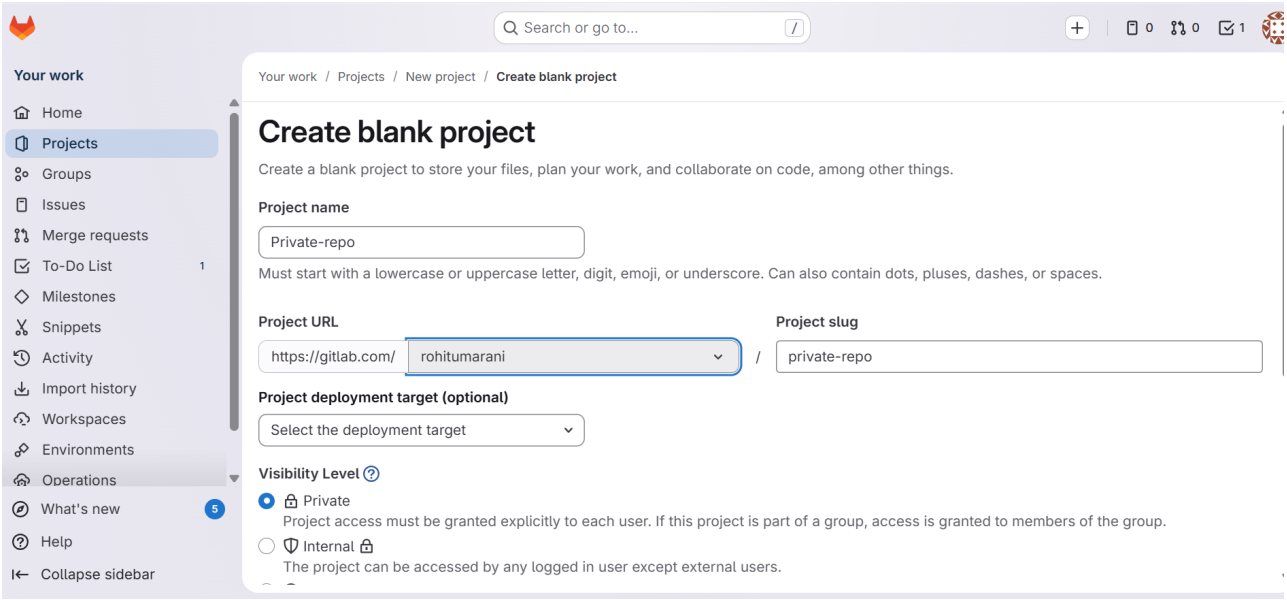
You are part of a DevOps team working on two different platforms – GitHub and GitLab. Your team wants to ensure smooth development, proper access control,and repository mirroring between the two platforms.

Part 2 : GitLab Tasks

Subtask 4: GitLab Repository Setup

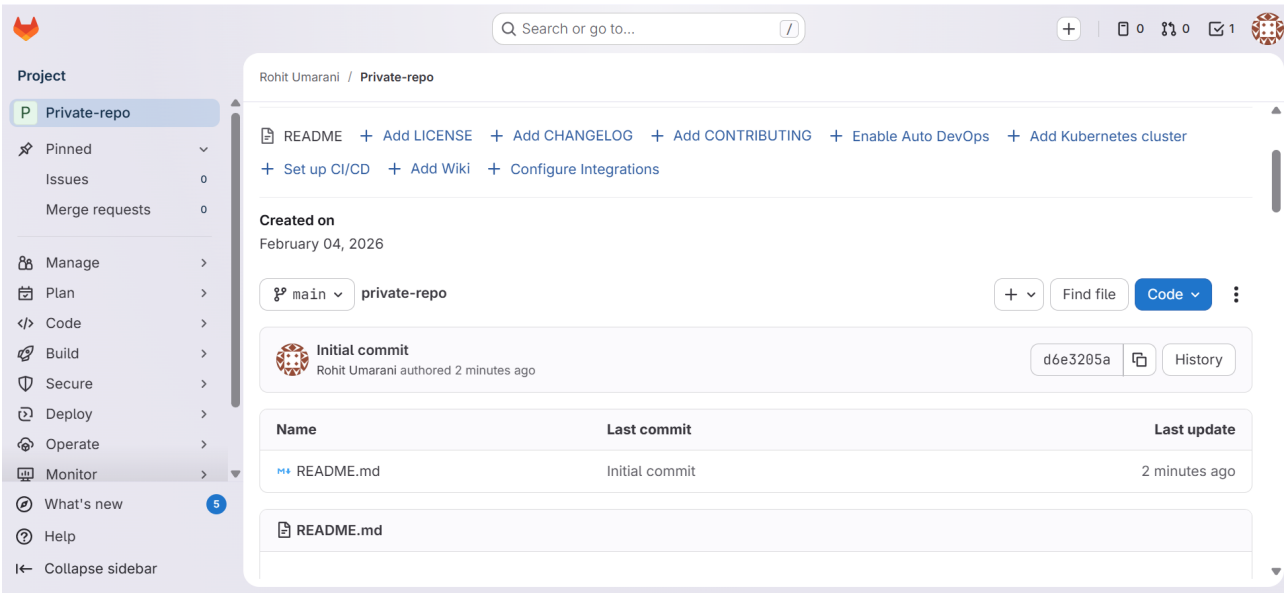
1. Create a private repository on GitLab.

- Created On Private Repo On GitLab

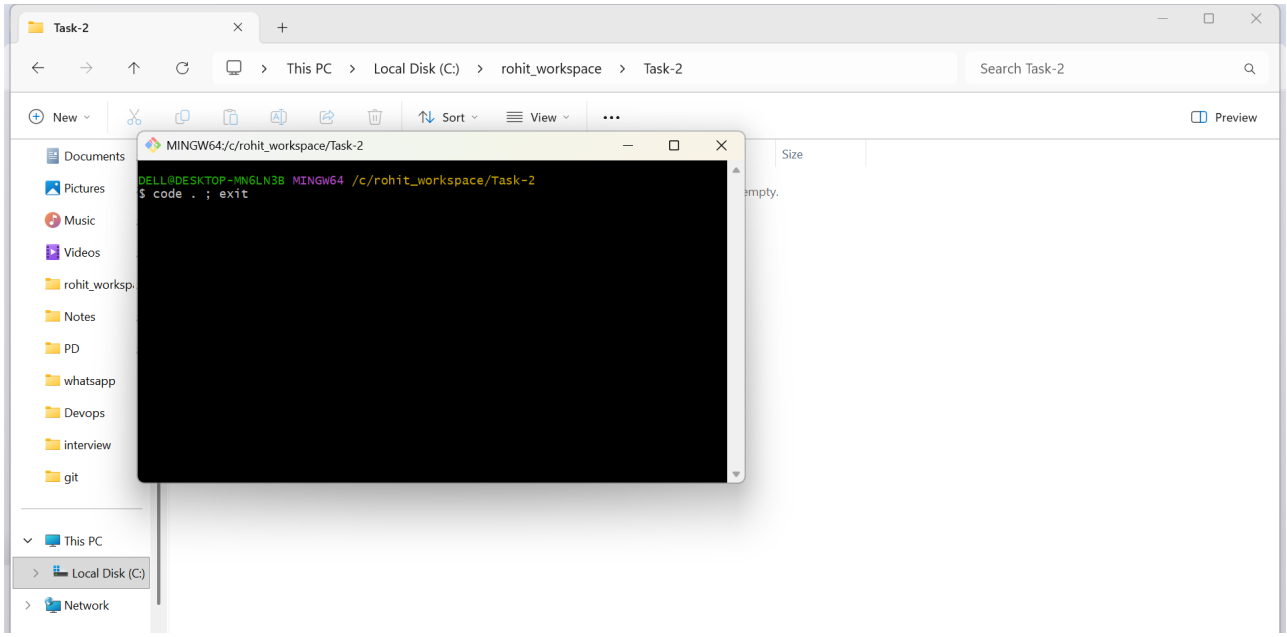


2. Clone it on your local machine using SSH (not HTTPS).

- Copy The URL SSH URL

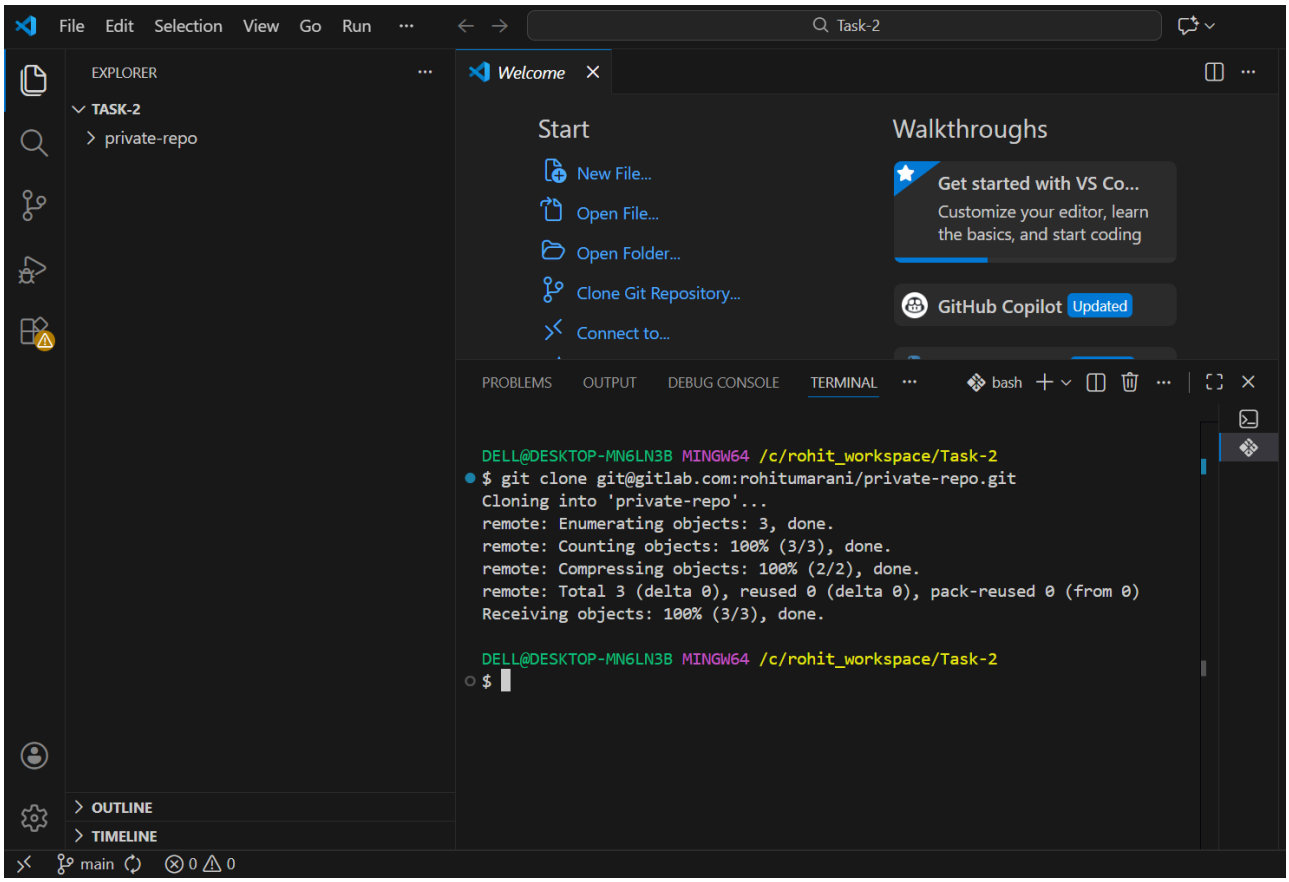


- Create One Folder Into Local Machine

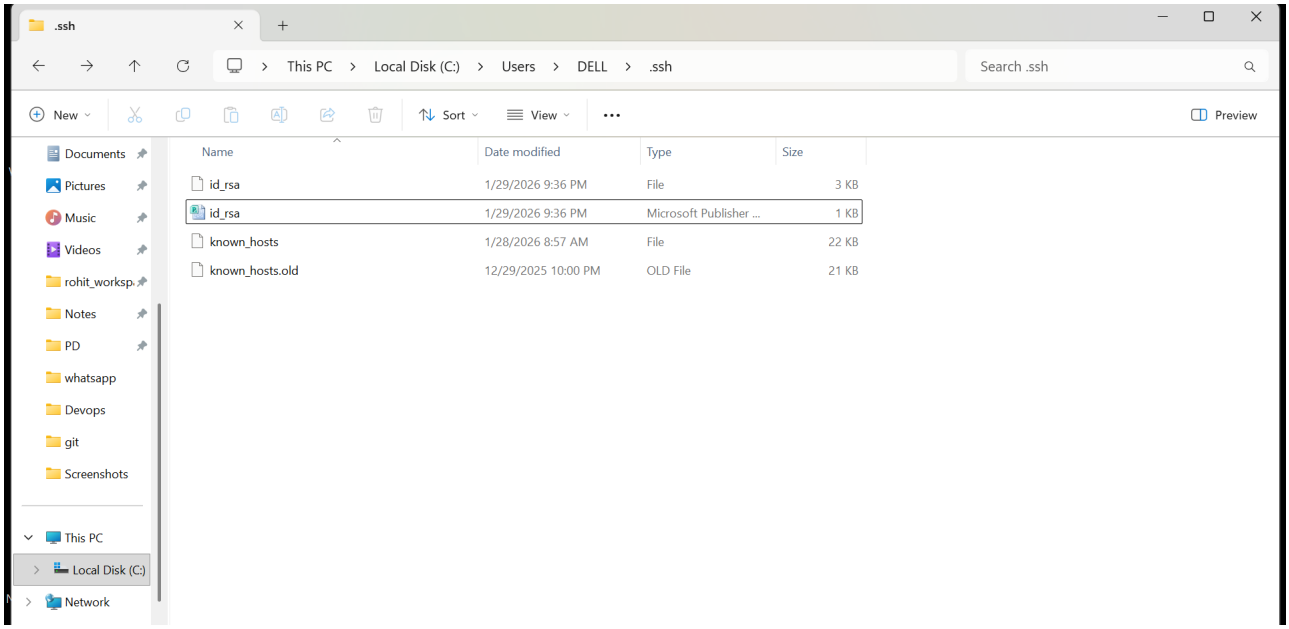


- Use Commond For Clone Private Repo To Local Machine

```
git clone git@gitlab.com:rohitumarani/private-repo.git
```



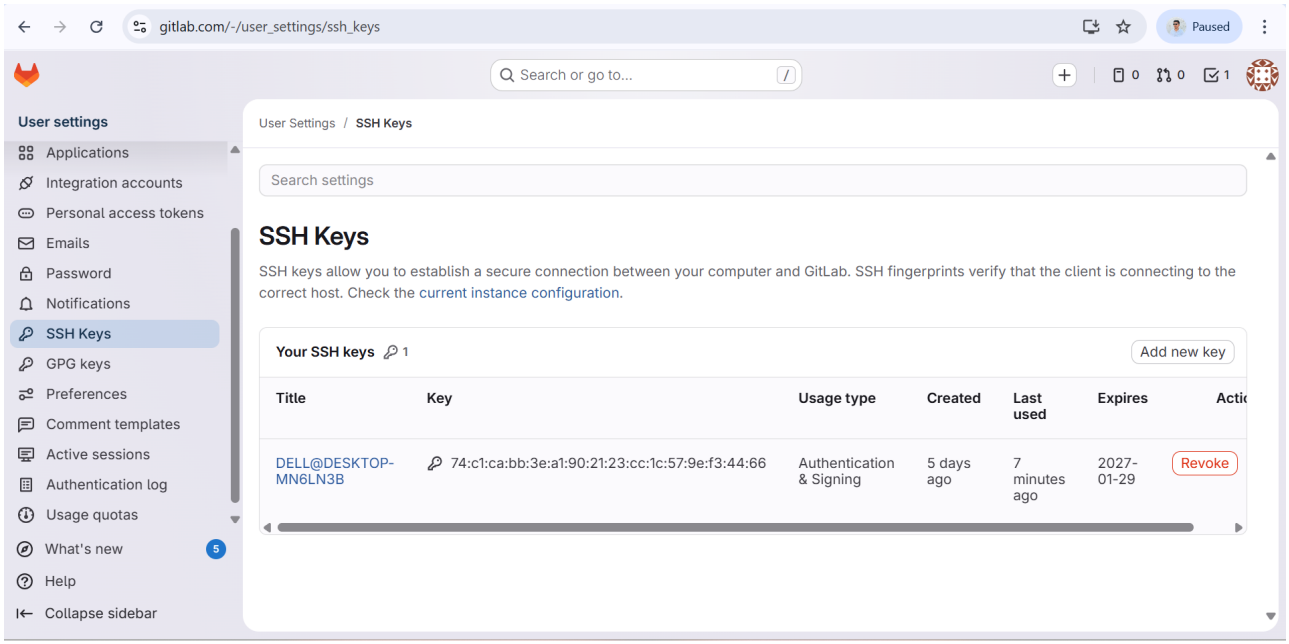
- Already Created SSH Key



How to check the Path:

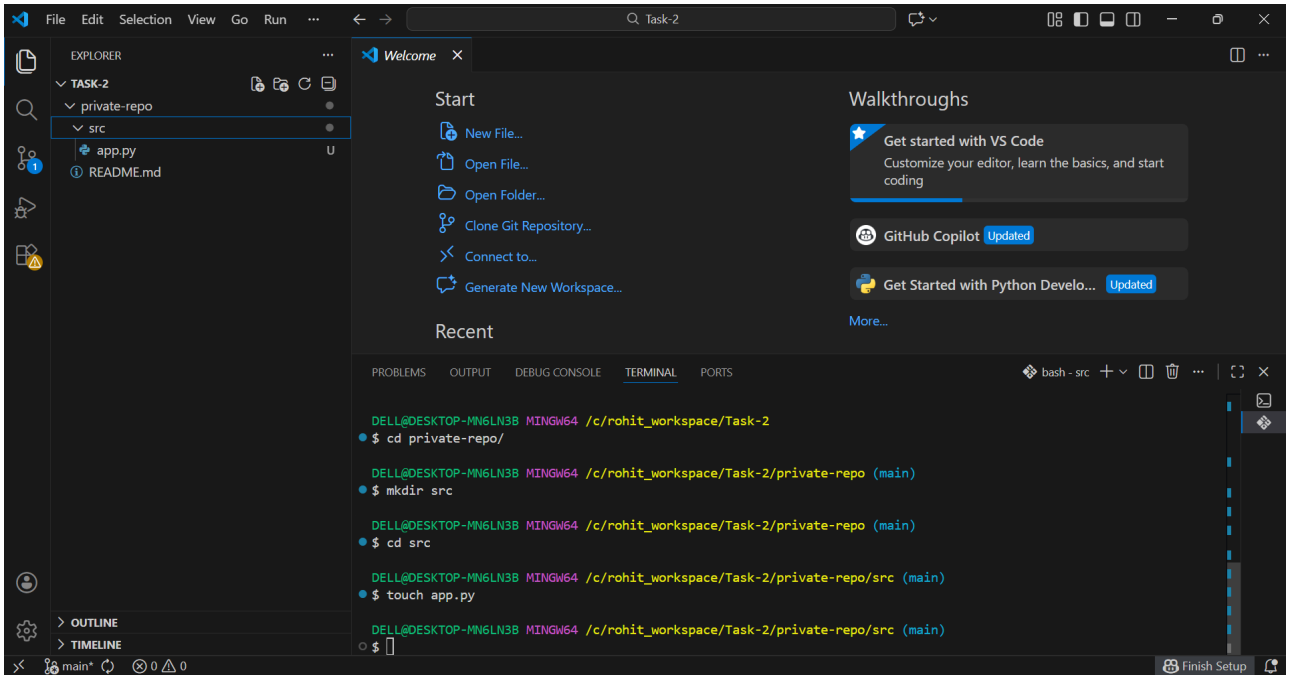
```
C:\Users\DELL\.ssh
```

- SSH Key On GitLab

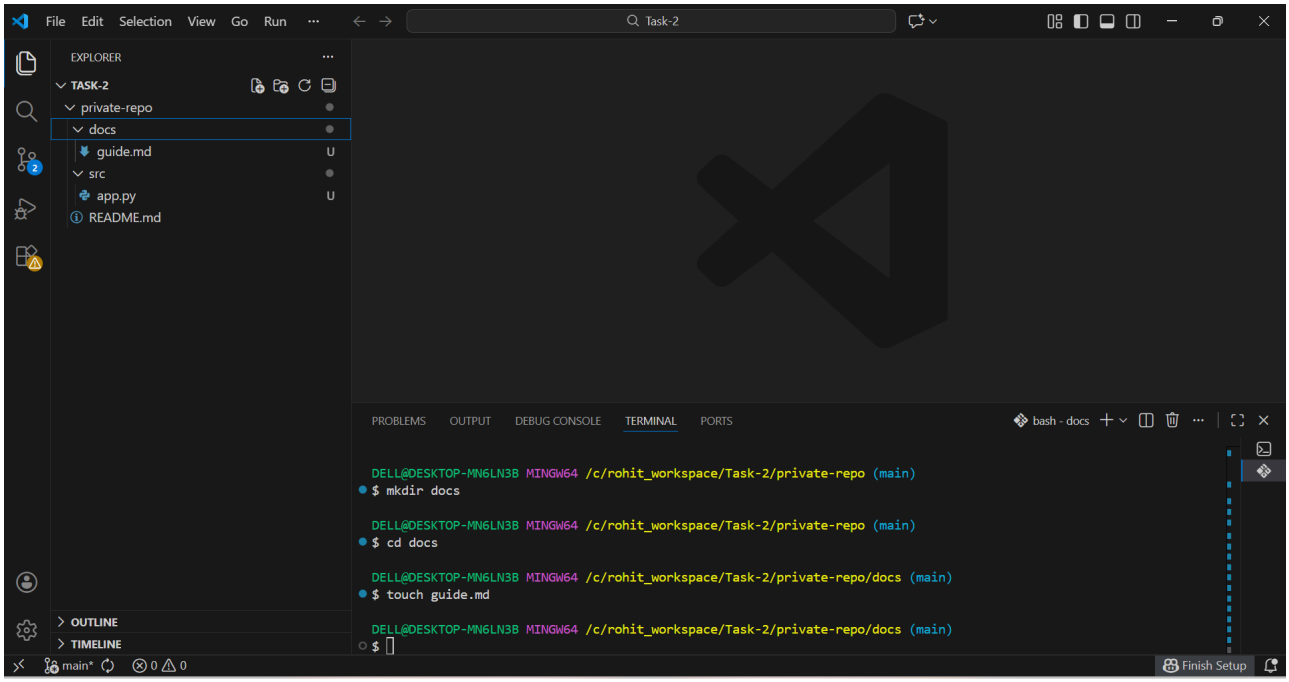


3. Create a simple project structure (e.g., src/app.py , docs/guide.md).

- Created Src Folder inside that app.py file



- Created docs Folder inside that guide.md file

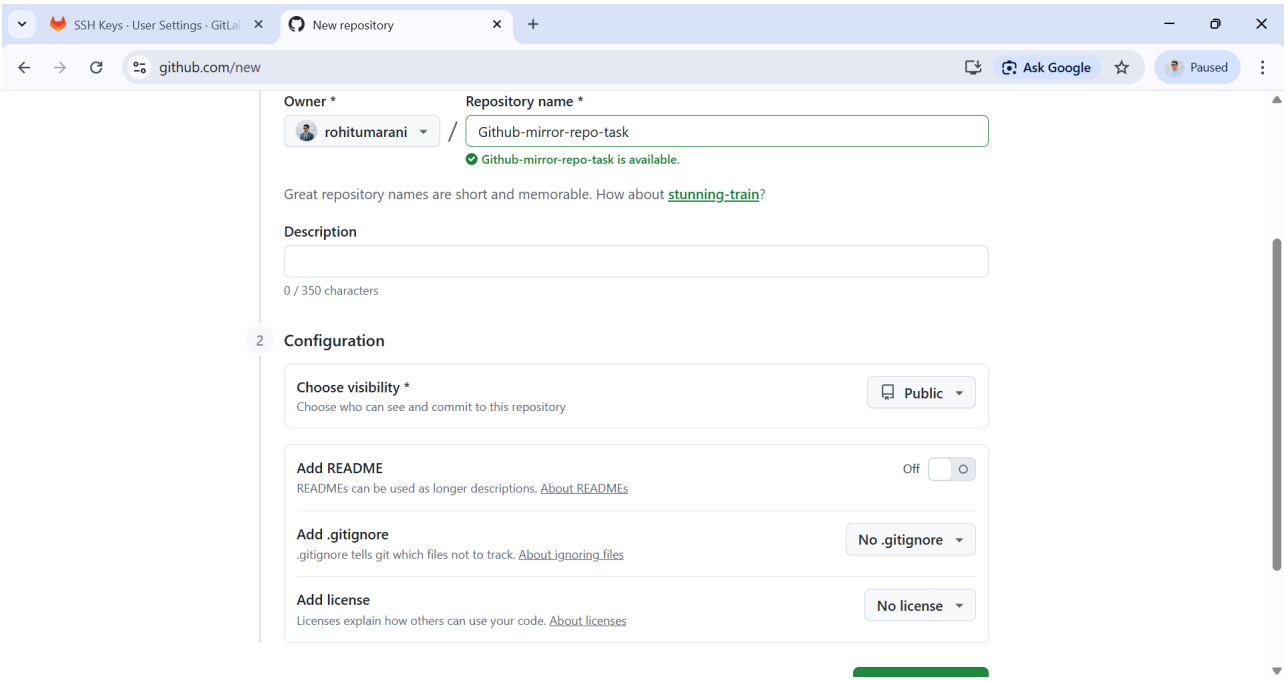


Subtask 5: Repository Mirroring

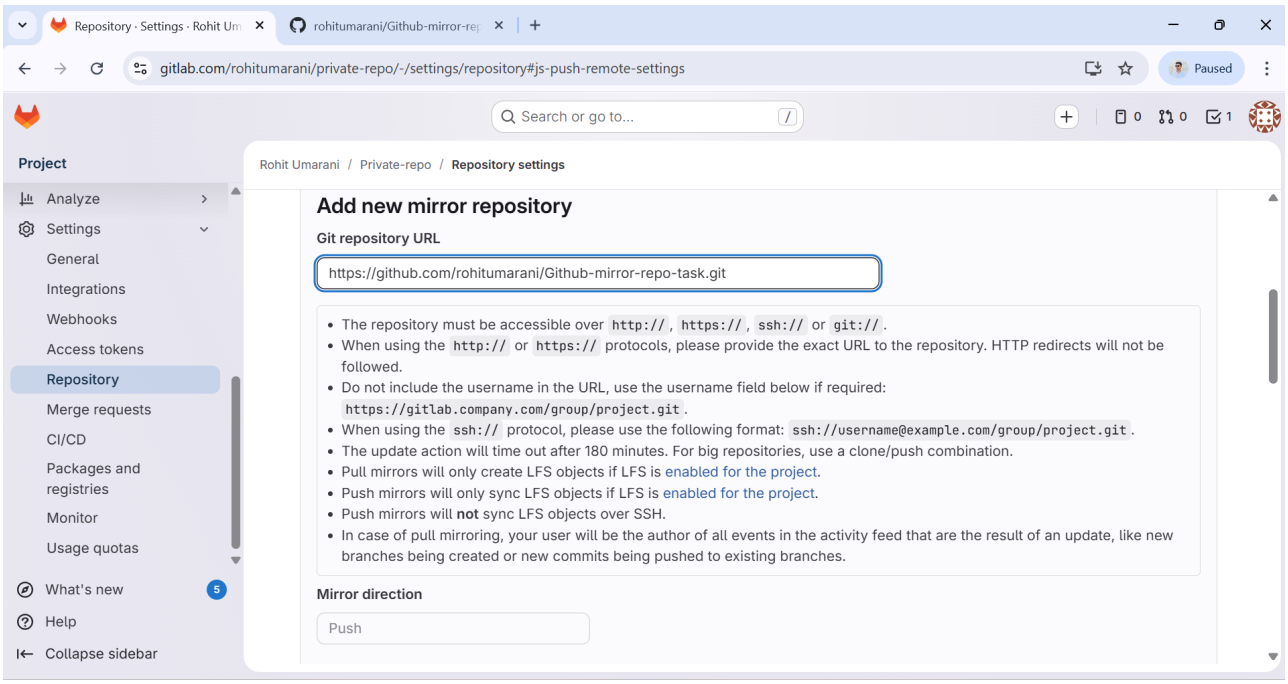
Create a mirror setup:

1. Set the GitHub private repo as the mirror of your GitLab repo.

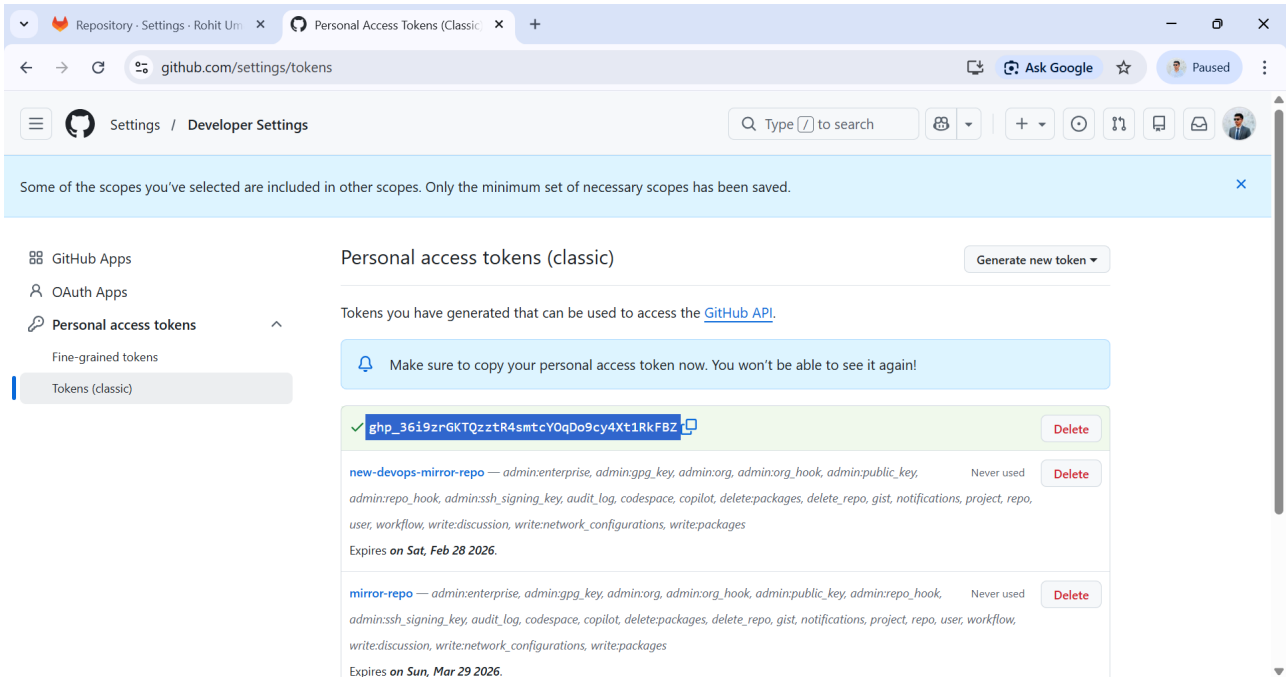
- Created One New Repo On Github For Mirroring



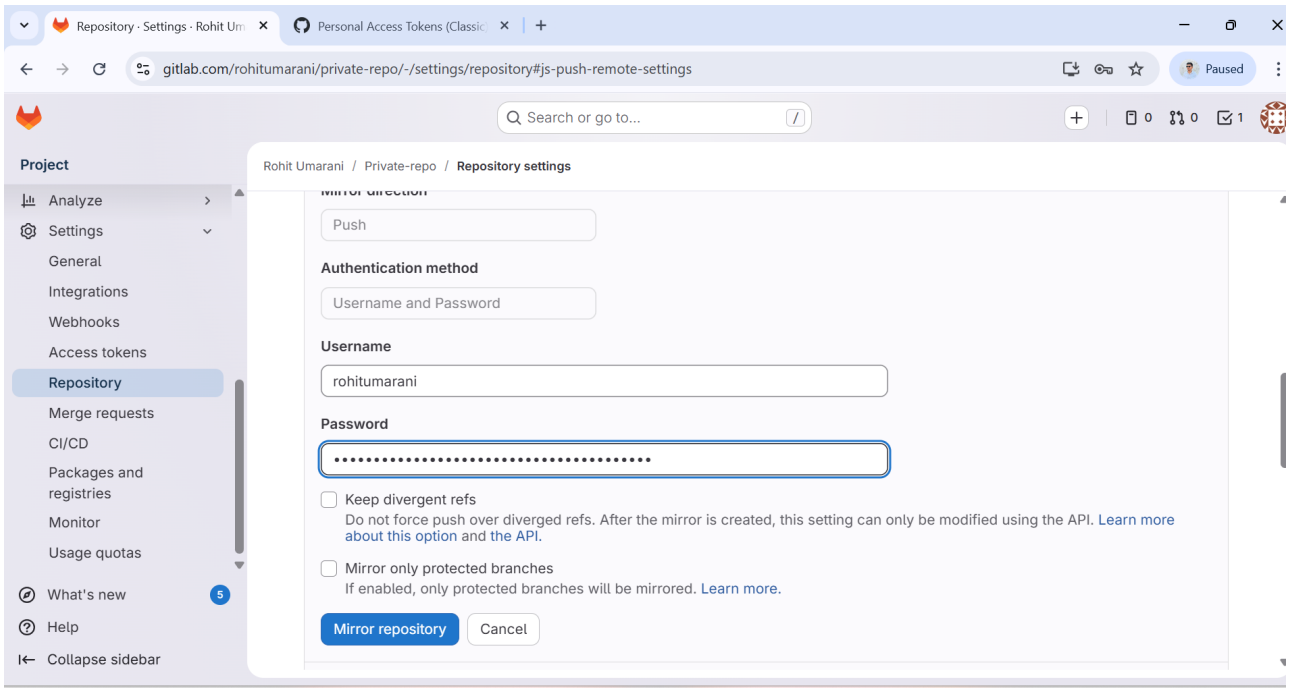
- Add This Github Repository to the GitLab Repository



- Create Personal Acess Token. It Required For Password Authetication

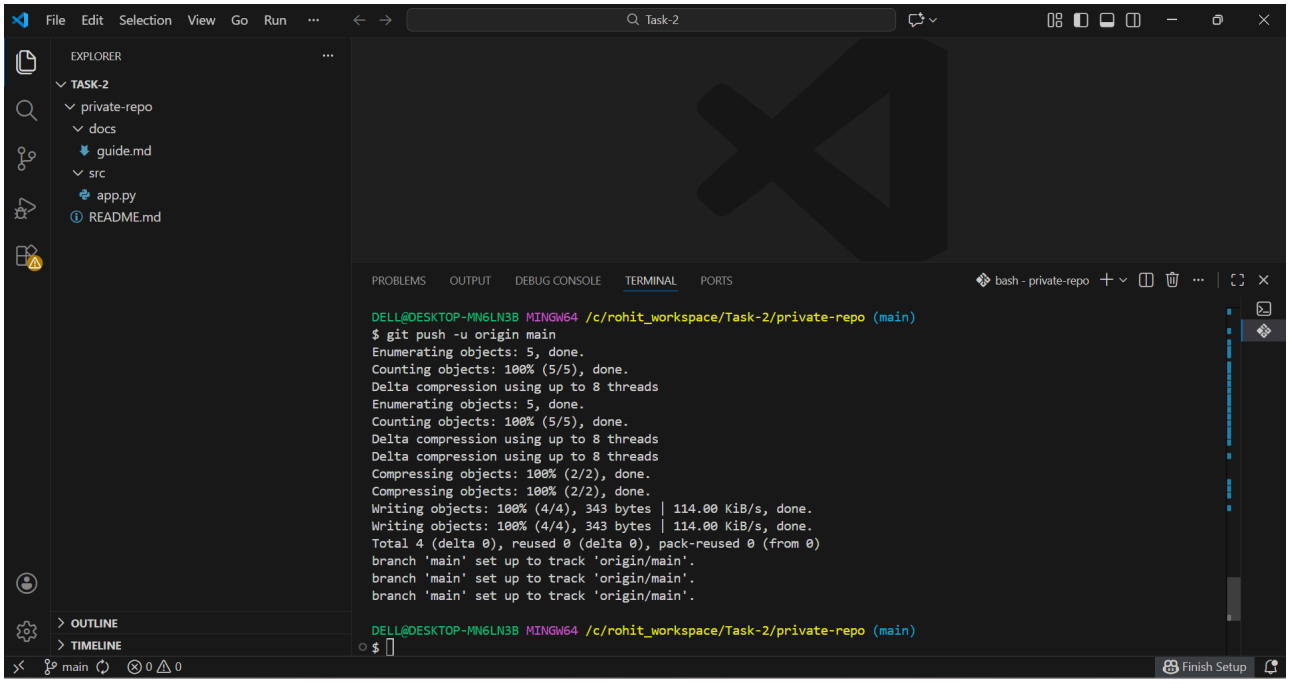


- After That Paste That Tokenn And Setup Up GitLab and GitHub



2. Push some changes to GitLab and verify if the changes reflect in GitHub automatically.

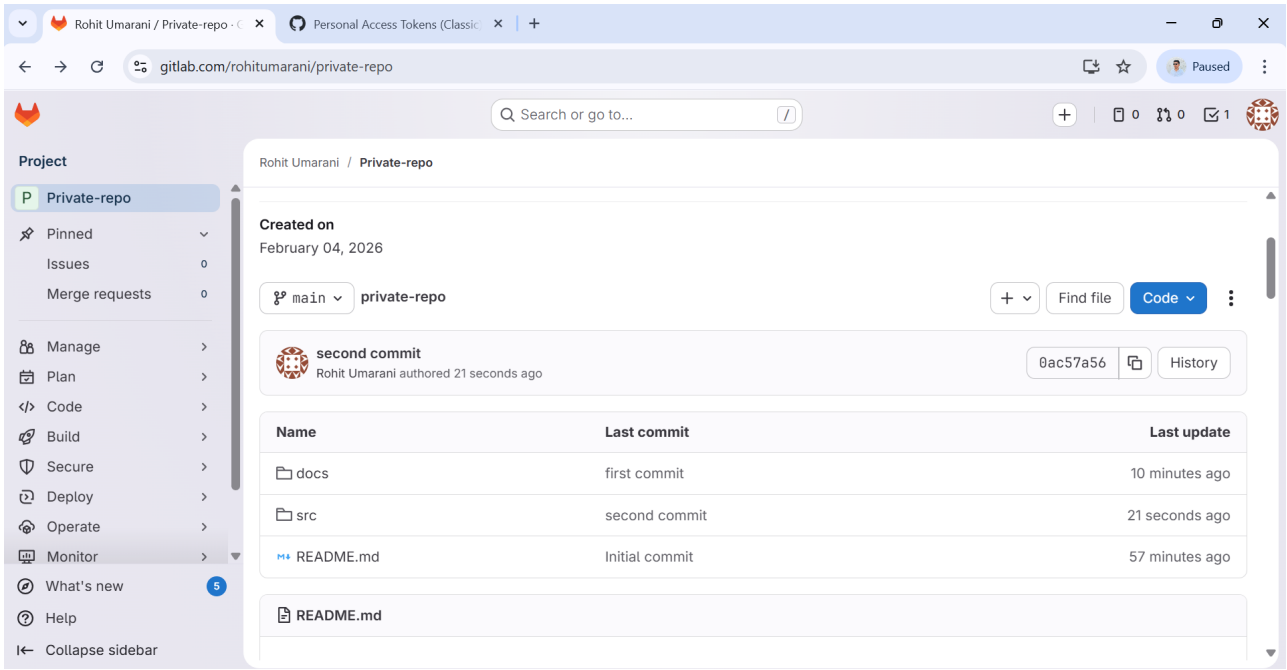
- Push the Changes



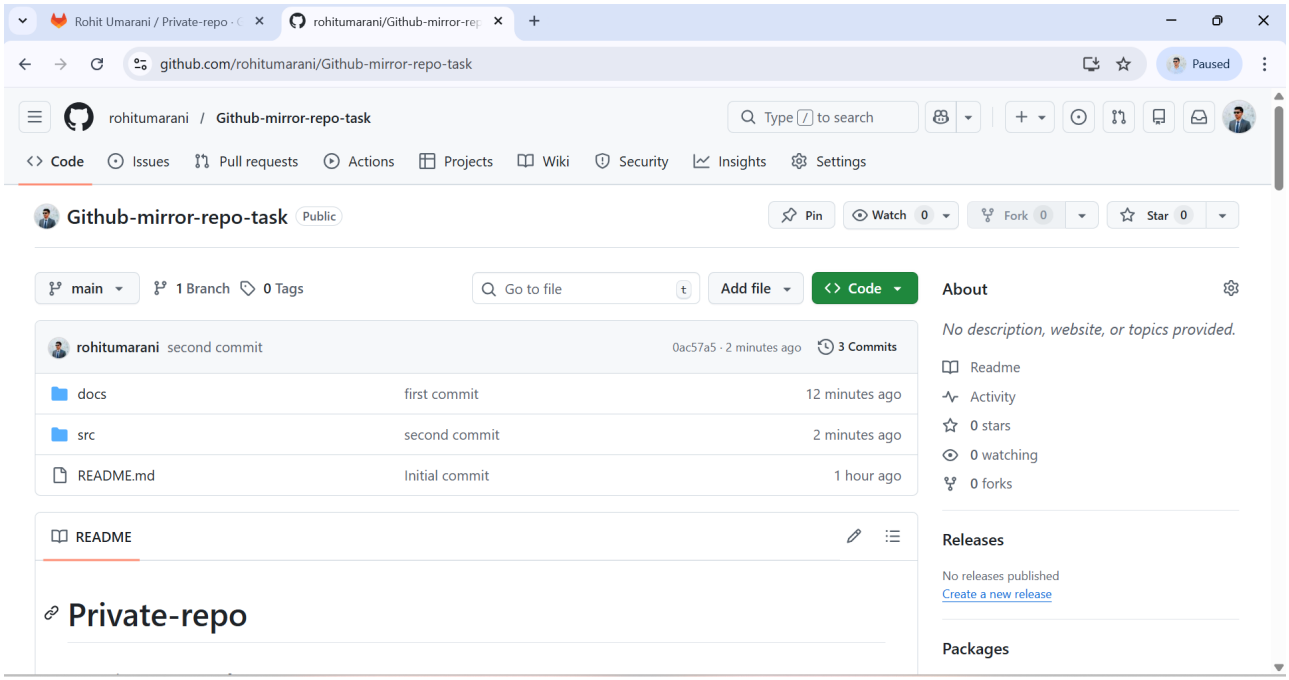
Use Commond For Push

```
git push -u origin main
```

- Check On GitLab Changes



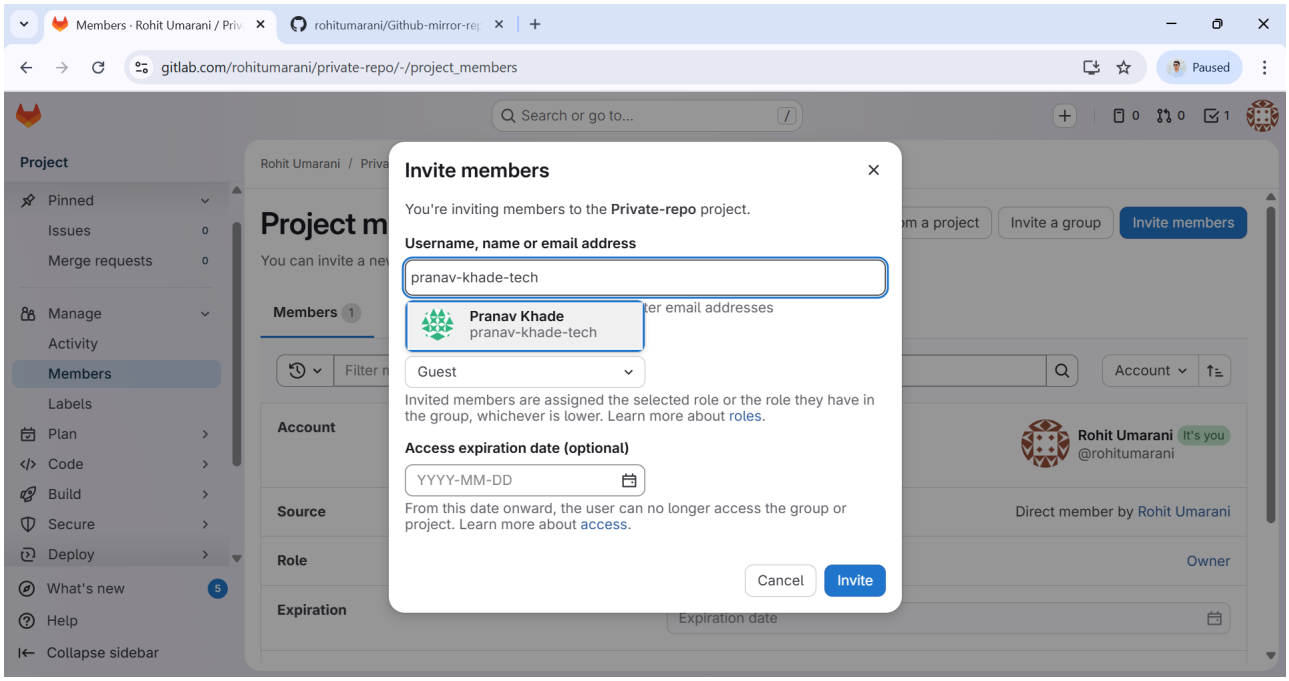
- Check On Github Changes



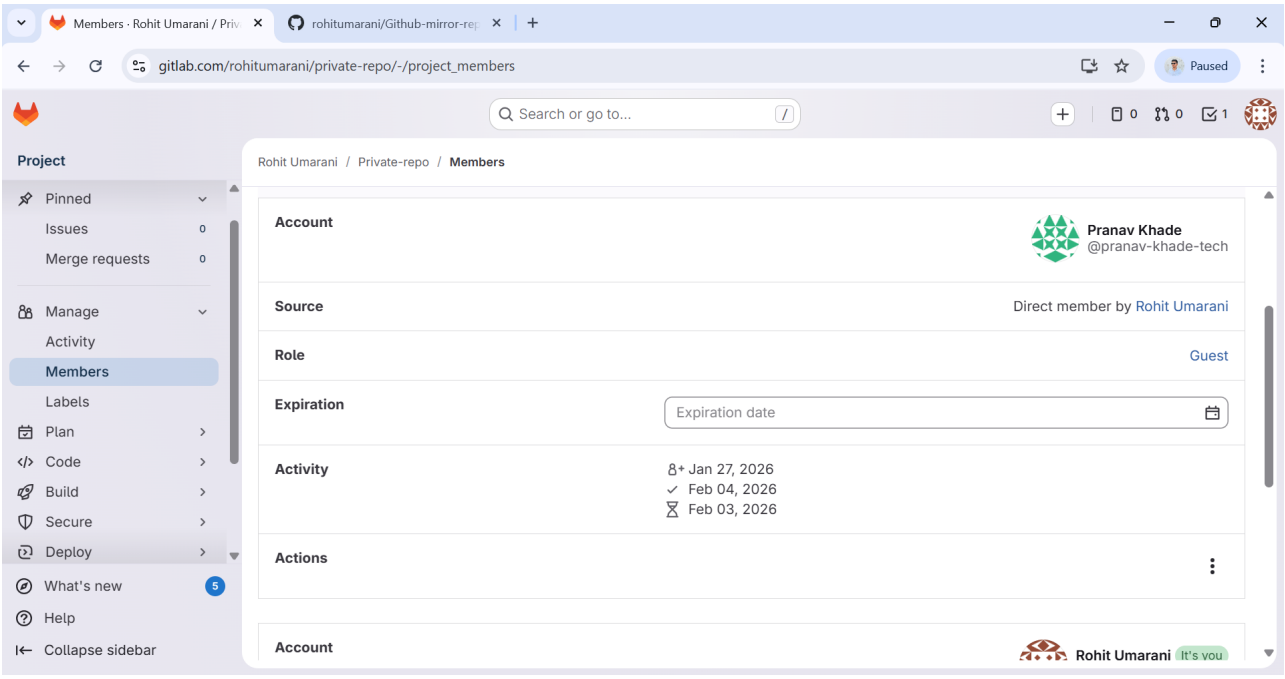
Subtask 6: Access Control

Invite your friend to the GitLab private repository:

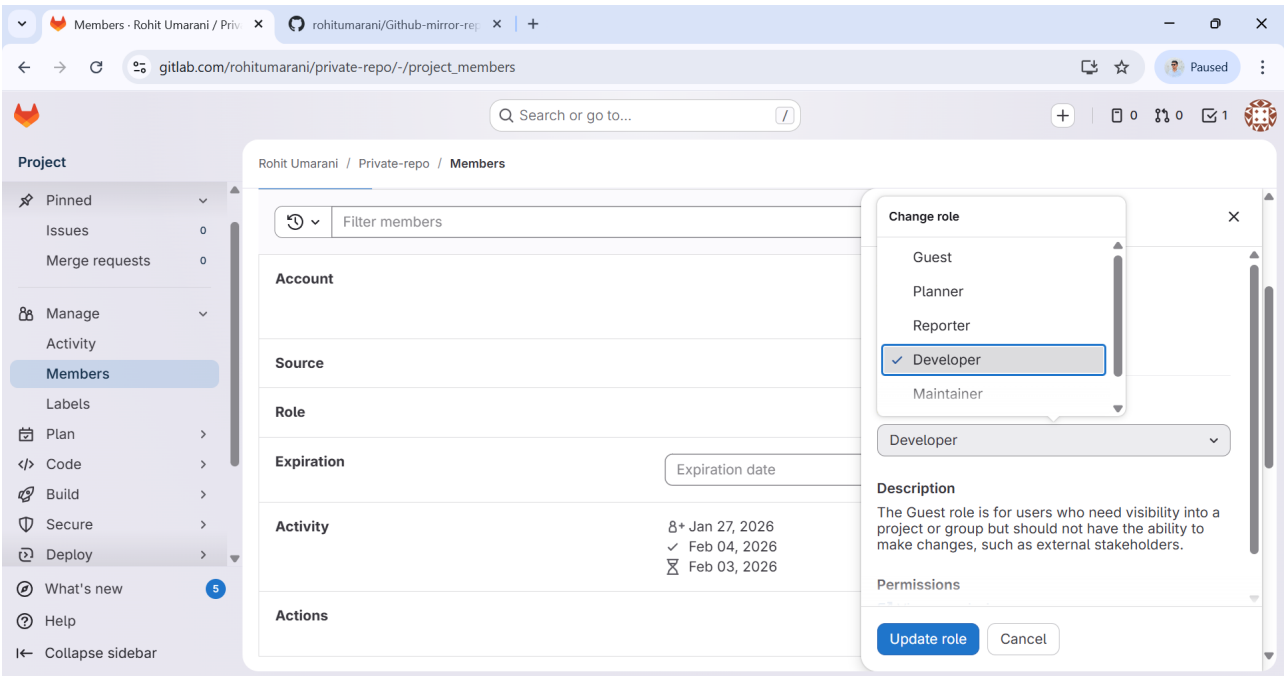
- Invite Member to the Repository



- Assign them the Guest role initially, observe the access.



- Then change their role to Developer, and let them push one file.



Role is Change To the Devolper