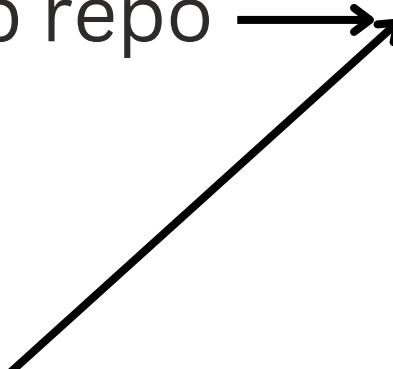# Environment Setup & Version Control

Objectives

1. Set-up CSEE Gitlab Account

2. Create your Personal Access Token on Gitlab (your secrets)

3. Save your secrets to Google Colab

4. Plan work scope, activities, outputs & create Gitlab branch

5. Run code to clone the specific branch from Gitlab repo

6. Locate your branch files in google drive

7. Fun time? write your own codes

8. Run "**3. Finish and Save back to Gitlab**" section

9. Create merge request on Gitlab

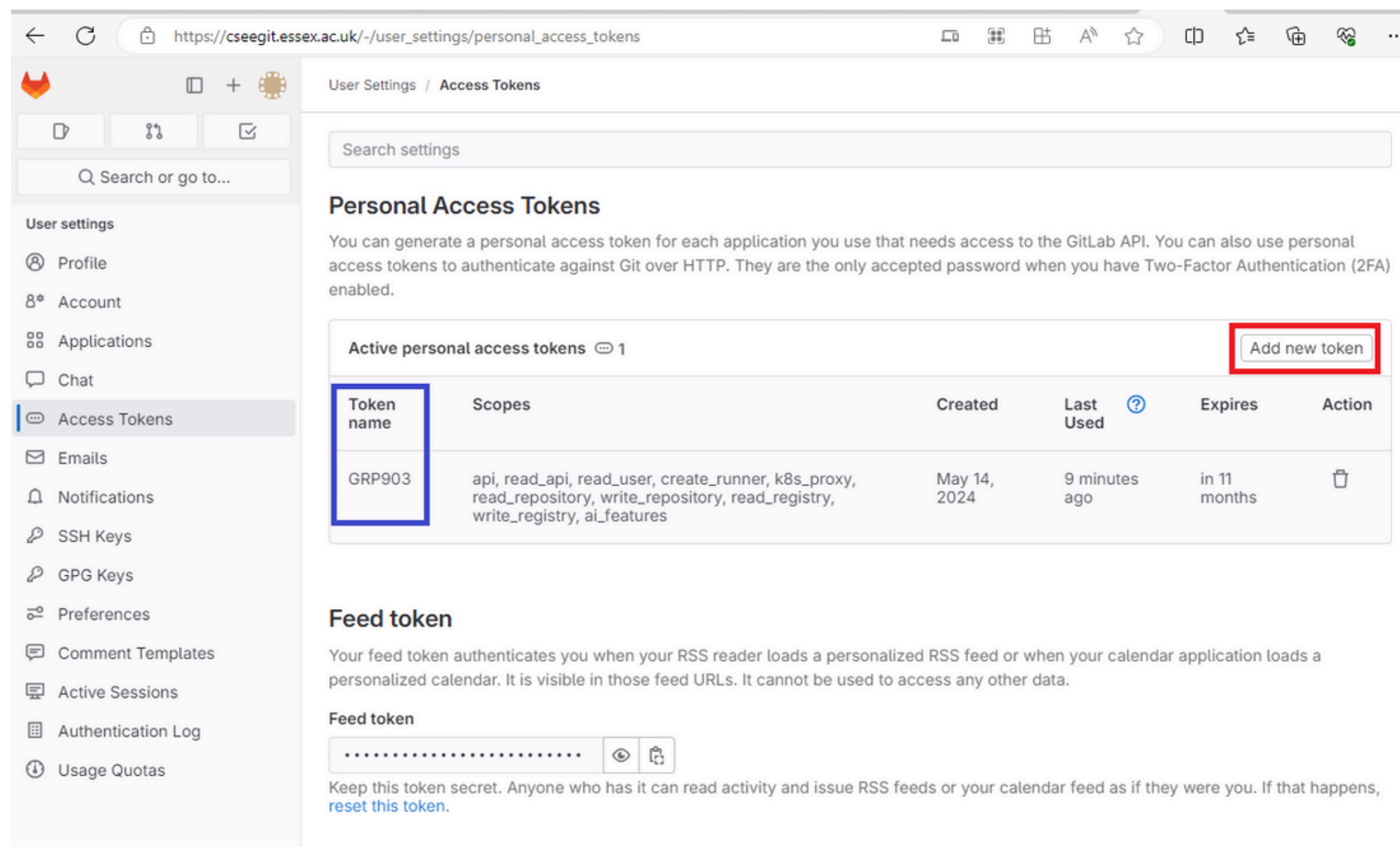https://colab.research.google.com/drive/1_UYmlXTkxNQ2PFi7zt3EqOVh5BVz48Lv?usp=sharing

14th May 24

1 - Set-up Gitlab & Personal Access Token (PAT)

Access GITLAB Account

https://moodle.essex.ac.uk/course/view.php?id=16545&section=18

Once logged in use this link to Set-up PAT

https://cseegit.essex.ac.uk/-/user_settings/personal_access_tokens

If you need a video guide
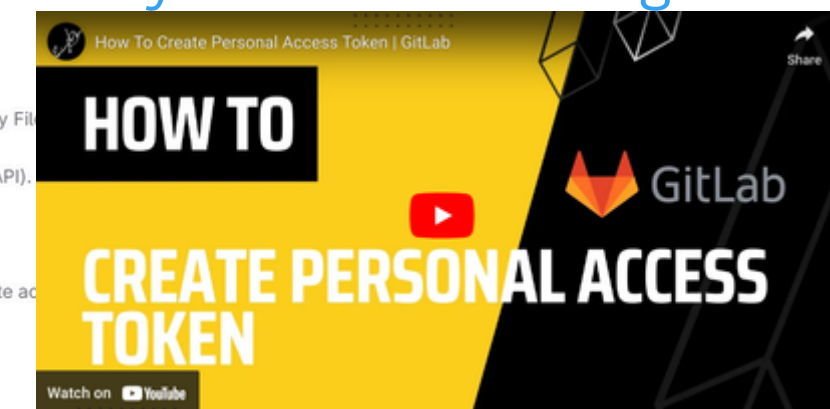
2 - Save secrets to Google Colab

How to Setup Secrets

https://www.youtube.com/watch?v=LPa51KxqUAw

Add the following secrets shown below

3 - Define Work Plan, Login to GITLAB and Create Branch

SCOPE: data-preprocessing

Actions
- Read audio files
- Trim silence
- Create overlapping frames from each file
- Generate labels for the frames

Expected Output
- CSV file containing frame, sampling rate, label

23-24 CE903-SU / 23-24_CE903-SU_team06 / New Branch

New Branch

Branch name

data-preprocessing

Create from

development

Existing branch name, tag, or commit SHA

Create branch   Cancel

4 - Locate your branch files in google drive

My Drive > 23-24_CE903-SU_team... > notebooks ▾

| Type ▾ | People ▾ | Modified ▾ |

⚠ **91% of storage used** If you run out, you can't create, edit, and upload files. Get 100 GB of s

Name ↓

📄 01_exploring_data.ipynb

📄 001_Dataset_Preprocessing.ipynb

4 - Save your work back to Gitlab

🔺 START HERE - Get Codes from CSEE GITLAB.ipynb ☆

File Edit View Insert Runtime Tools Help   Last edited on 19 May

+ Code + Text

An error occurred. Secret email does not exist. You can also define

∨ 2. Begin Working

```
[ ]  # Write your codes or add files via your google drive
     print(git.git_dir)
```

```
[ ]  git.status()
```
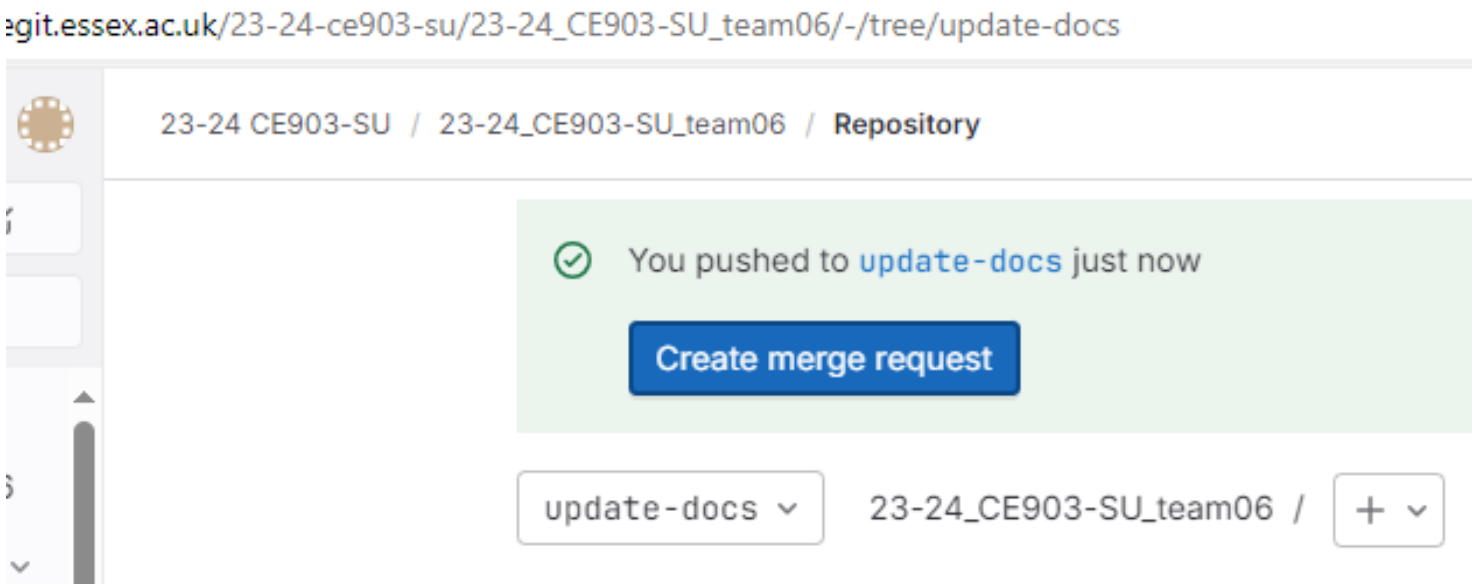
Double-click (or enter) to edit

∨ 3. Finish and Save back to Gitlab

```
▶  # save your changes back to the repo
   git.commit_and_push()
```

```
Enter your commit message that describes the changes that you have
Output:
Output:
Output:
Output: [data-preprocessing 735d0cd] Data Preprocessing Complete -
 3 files changed, 1 insertion(+), 1 deletion(-)
 create mode 100644 dataset/audio_data_before_framing.feather
 create mode 100644 notebooks/001_Dataset_Preprocessing.ipynb
 delete mode 100644 notebooks/Data_Preprocessing_001.ipynb

Output:
Output:
```

5 - Create merge request on Gitlab

JOB WELL DONE!