Hugging Face Spaces

Deep Learning
EE 298/CoE 197/EE 197/ECE 197
University of the Philippines Diliman
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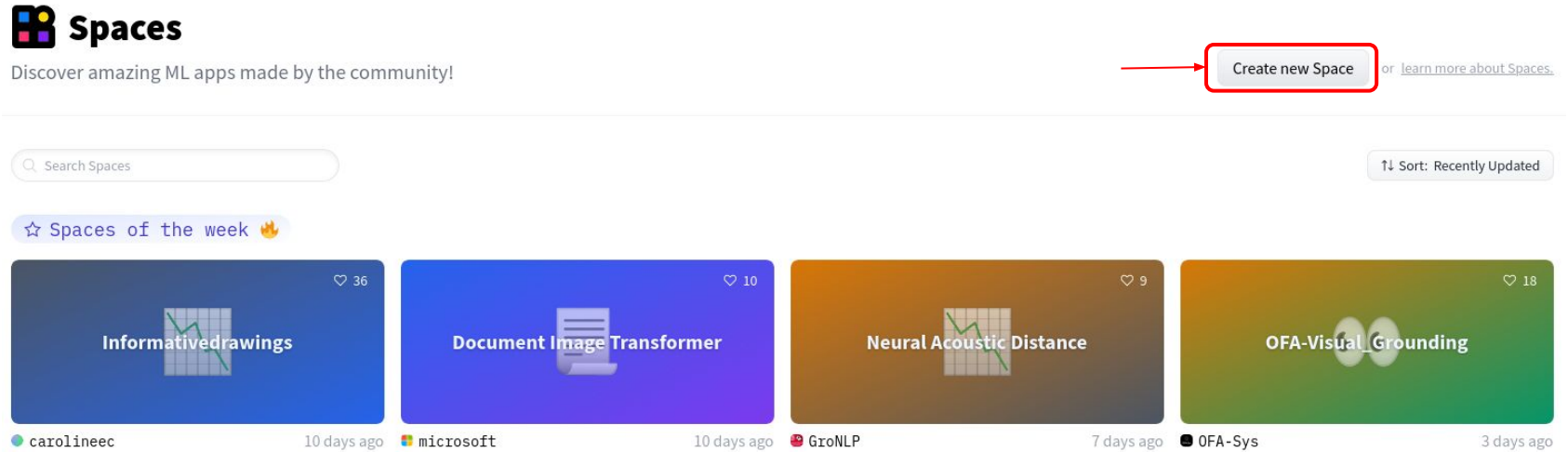
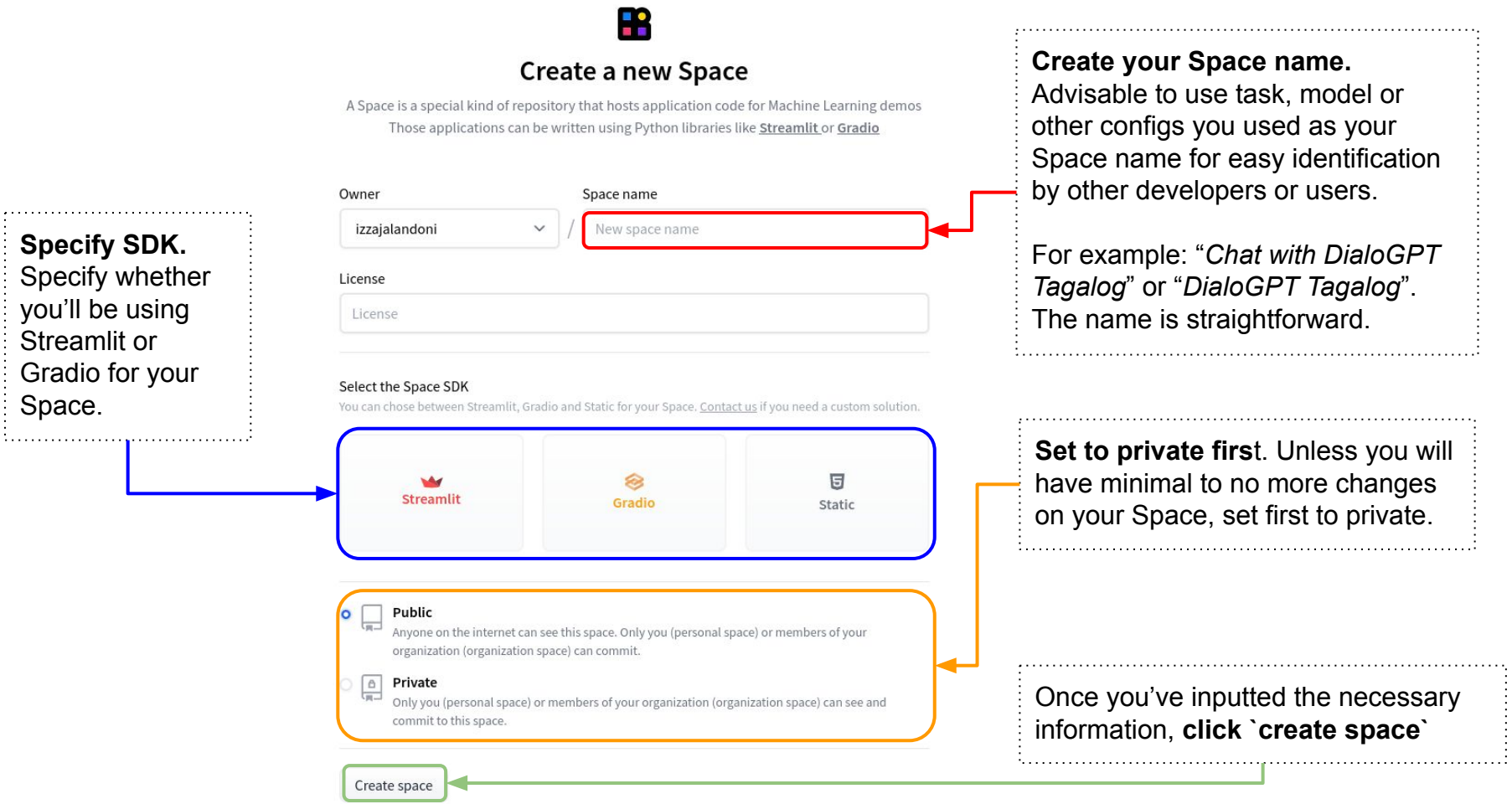
Overview

I. Create your Hugging Face Space
II. Work offline on your py files
III. Upload your files
IV. Make your Space public

I. Create your Hugging Face Space

- You must have a Hugging Face account already
- Go to https://huggingface.co/spaces
- Click `Create new Space` located on upper right corner



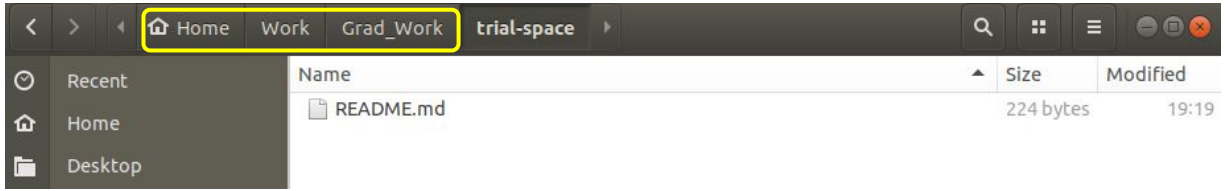

Create a new Space
A Space is a special kind of repository that hosts application code for Machine Learning demos
Those applications can be written using Python libraries like Streamlit or Gradio
Owner
izzajalandoni
Space name
New space name
License
License
Select the Space SDK
You can chose between Streamlit, Gradio and Static for your Space. Contact us if you need a custom solution.
Streamlit
Gradio
Static
Public
Anyone on the internet can see this space. Only you (personal space) or members of your organization (organization space) can commit.
Private
Only you (personal space) or members of your organization (organization space) can see and commit to this space.
Create space
Specify SDK. Specify whether you'll be using Streamlit or Gradio for your Space.
Create your Space name. Advisable to use task, model or other configs you used as your Space name for easy identification by other developers or users.
For example: "Chat with DialoGPT Tagalog" or "DialoGPT Tagalog". The name is straightforward.
Set to private first. Unless you will have minimal to no more changes on your Space, set first to private.
Once you've inputted the necessary information, click `create space`

II. Work Offline on your Files

- After creating your Space, clone your Space to your machine
  - The format is usually huggingface.co/spaces/<huggingface_username>/<space_name>

```
(dl_course) izza@Izza:~/Work/Grad_Work$ git clone https://huggingface.co/spaces/izzajalandoni/trial-space
```

- This will download your Space to your machine, allowing you to create your py files and experiment offline
  - Simply navigate to the directory/folder where you downloaded your Space
  - You can now edit / create your app.py inside this folder



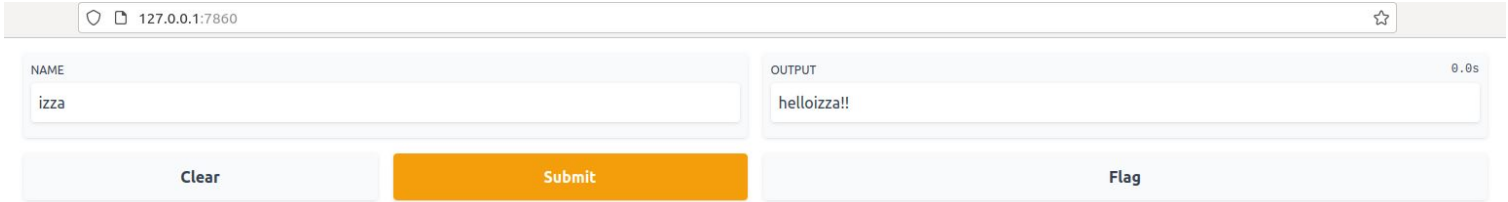
II. Work Offline on your Files

- Test your Space offline by running app.py on your terminal: `python app.py`

```
(dl_course) izza@Izza:~/Work/Grad_Work/trial-space$ python app.py
Running on local URL:  http://127.0.0.1:7860/

To create a public link, set `share=True` in `launch()`.
```

- Following the link http://127.0.0.1:7860 specified on your terminal should launch the app on your web browser!



III. Upload your Files

- Upload your files online via git commands
  - git add <filenames> : this will add all files in <filenames> to a “staging area”, ie something like a draft or a queuing space
  - git commit -m “<comment>” : commits the files in your staging area
  - git push : pushes / uploads files online

```
(dl_course) izza@Izza:~/Work/Grad_Work/trial-space$ git add app.py
(dl_course) izza@Izza:~/Work/Grad_Work/trial-space$ git commit -m "add app.py"
[main df03cad] add app.py
 1 file changed, 7 insertions(+)
 create mode 100644 app.py
(dl_course) izza@Izza:~/Work/Grad_Work/trial-space$ git push
Username for 'https://huggingface.co': izza.jalandoni@eee.upd.edu.ph
Password for 'https://izza.jalandoni@eee.upd.edu.ph@huggingface.co':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 431 bytes | 431.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
```

IV. Make your Space public

- Once all changes have been made and you are satisfied with your work, you can make your Space public
  - Navigate to `Settings` of your Space
  - Click `Make this space public`