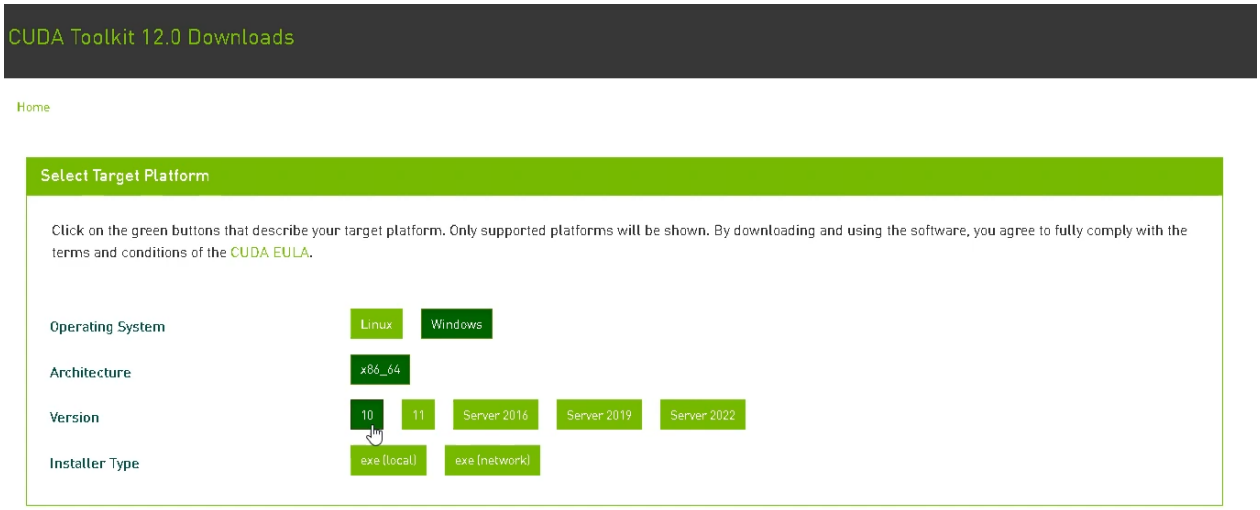
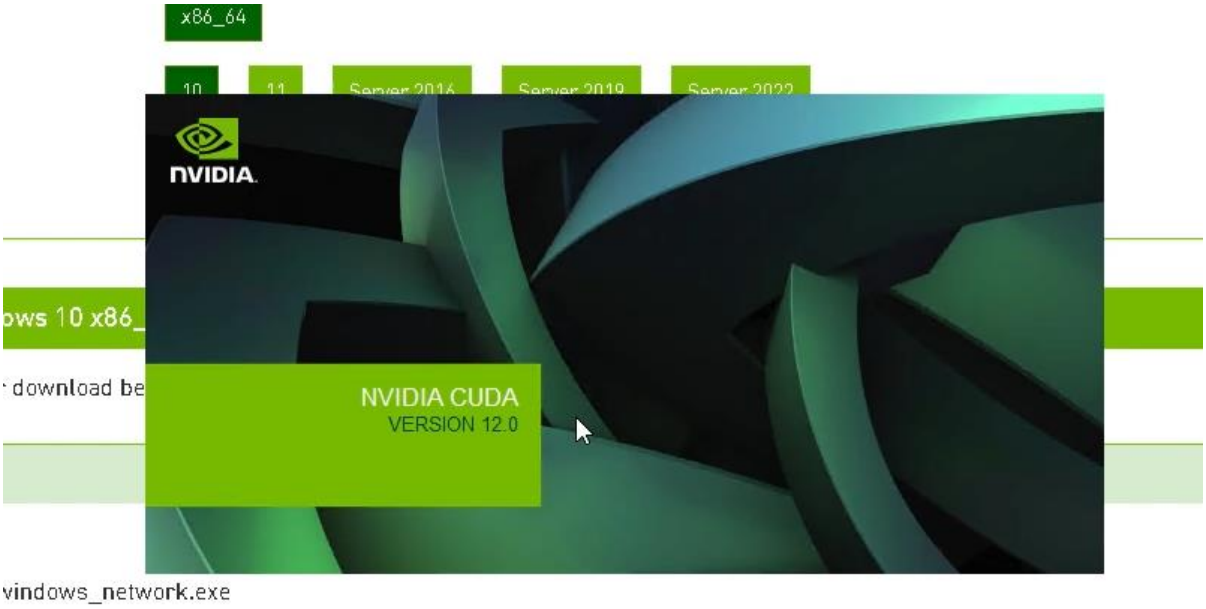
Installing Whisper WebUI on Windows 10/11

Install Nvidia CUDA Toolkit

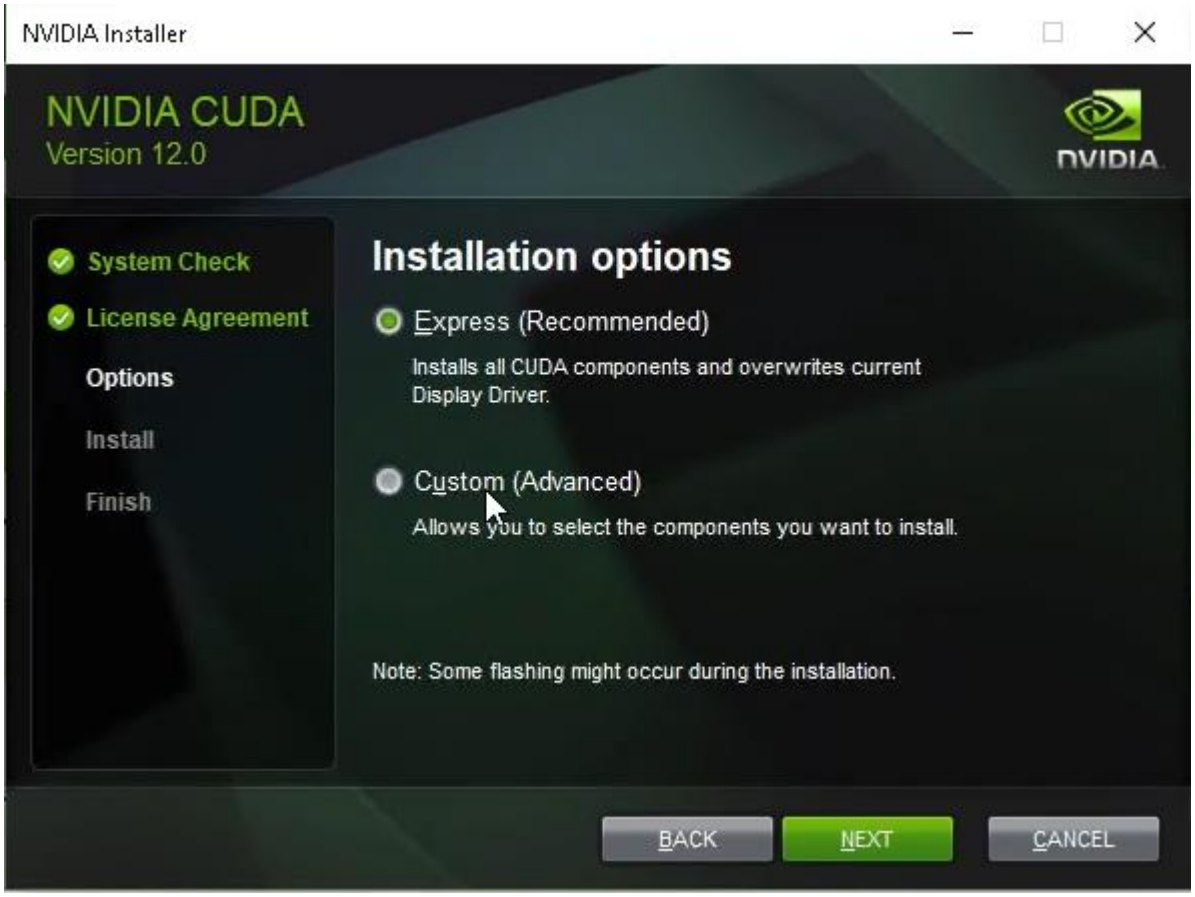
First, go to https://developer.nvidia.com/cuda-downloads and select “Windows” next to “Operating System”, “x86_64” next to “Architecture”, “10” or “11” next to “Version” and use the “exe (Network)” installer Type:



Let the installer Launch:

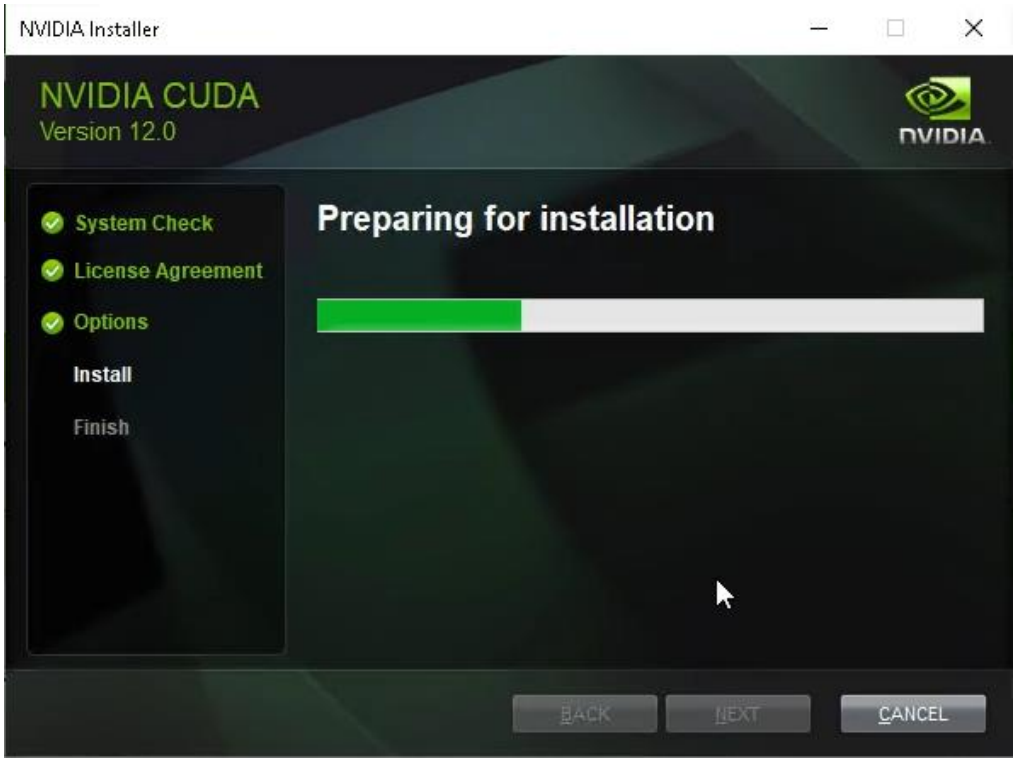


Now, either leave “Express (Recommended)” selected, or choose “Custom (Advanced”):



If you chose “Custom (Advanced”), you may now customize the installation location. Then click “Next”

Wait for the installer to finish (this may take 10-15 minutes depending on your CPU and network speed):



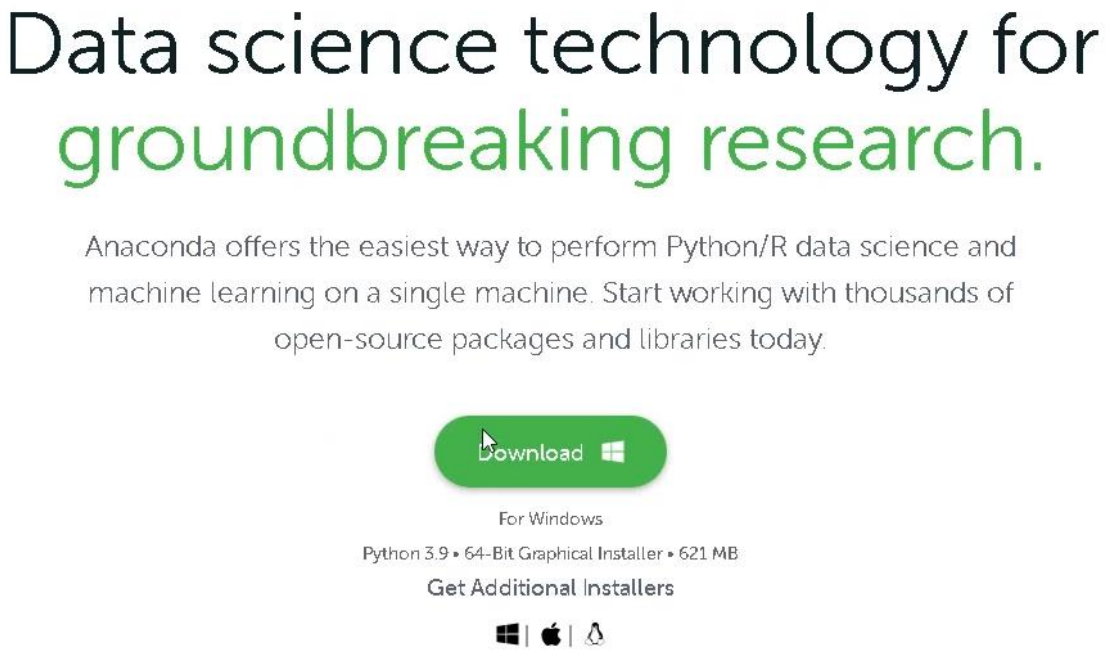
Ignore “Nsight” if it pops up – just click “Next”:

The installer should then be finished – click “Close” (you may also want to deselect “Launch NVIDIA GeForce Experience”)

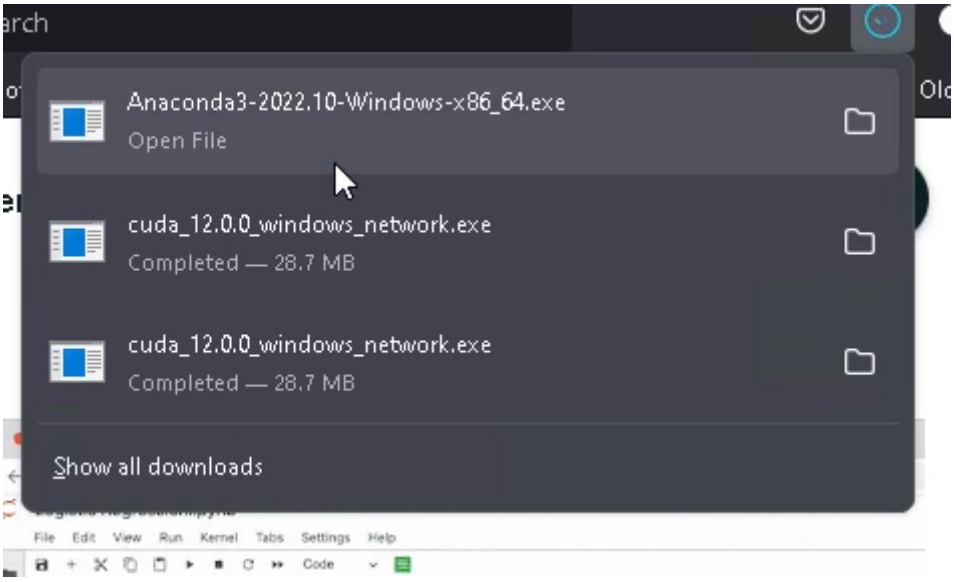
Install Anaconda 3

Next, we will install the Python virtual environment manager Anaconda 3, to make managing the Python environment easier and without any conflicts.

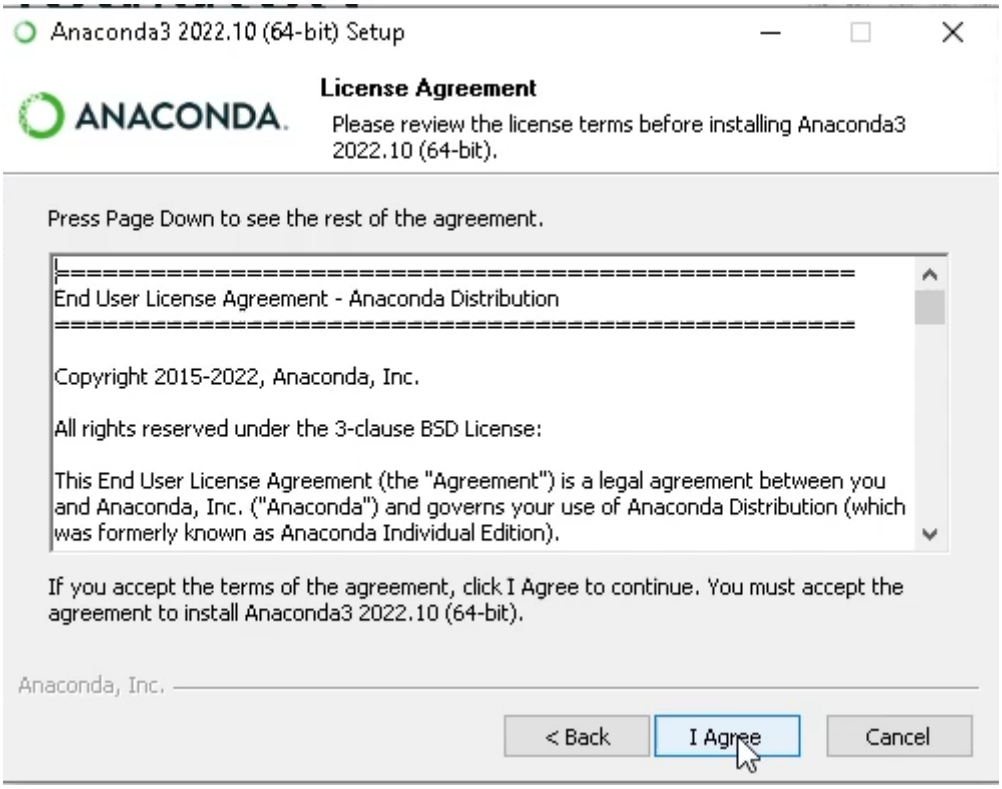
Go to https://www.anaconda.com/ and click “Download”:



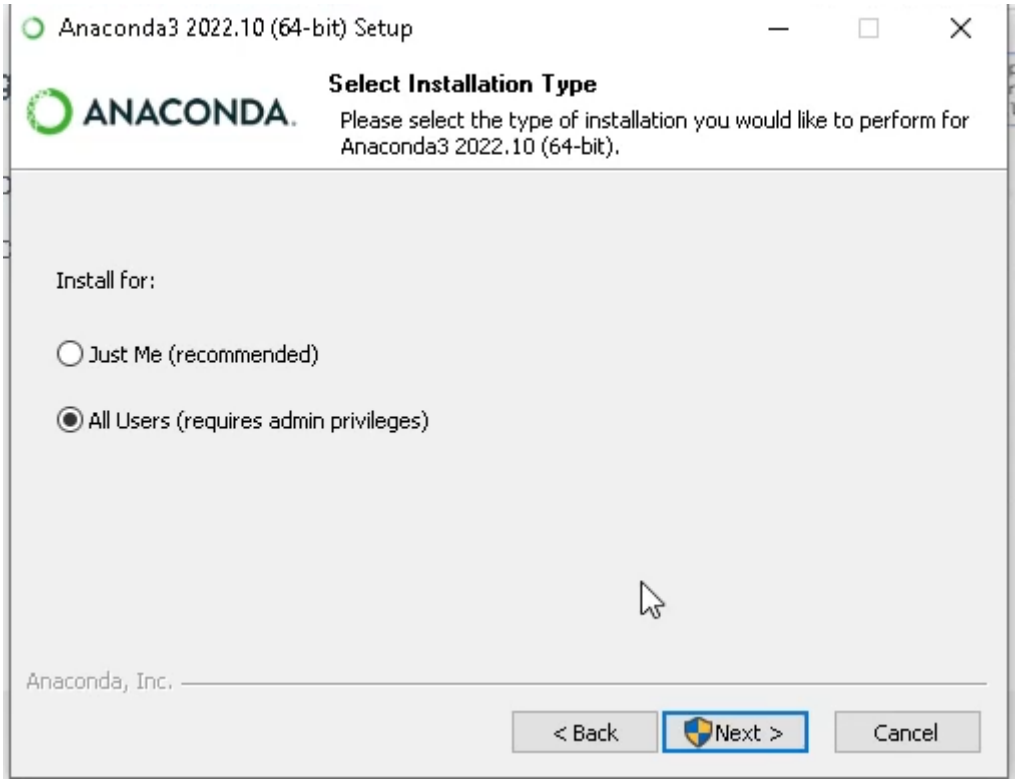
Open the downloaded EXE:



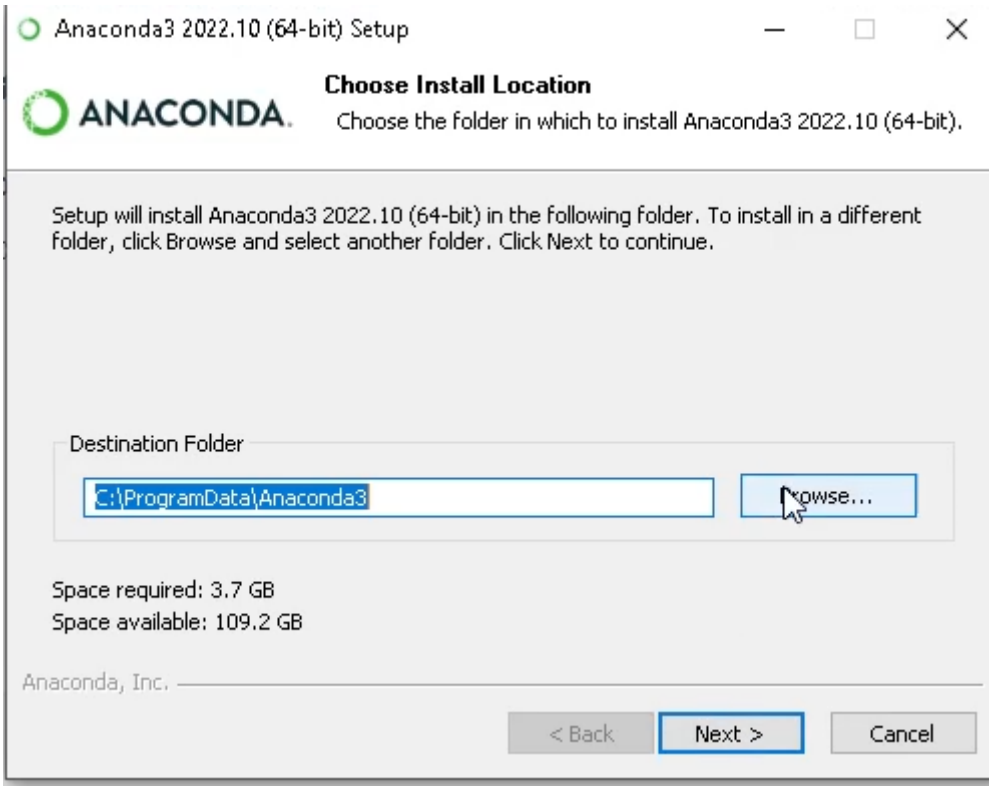
Agree to the EULA:



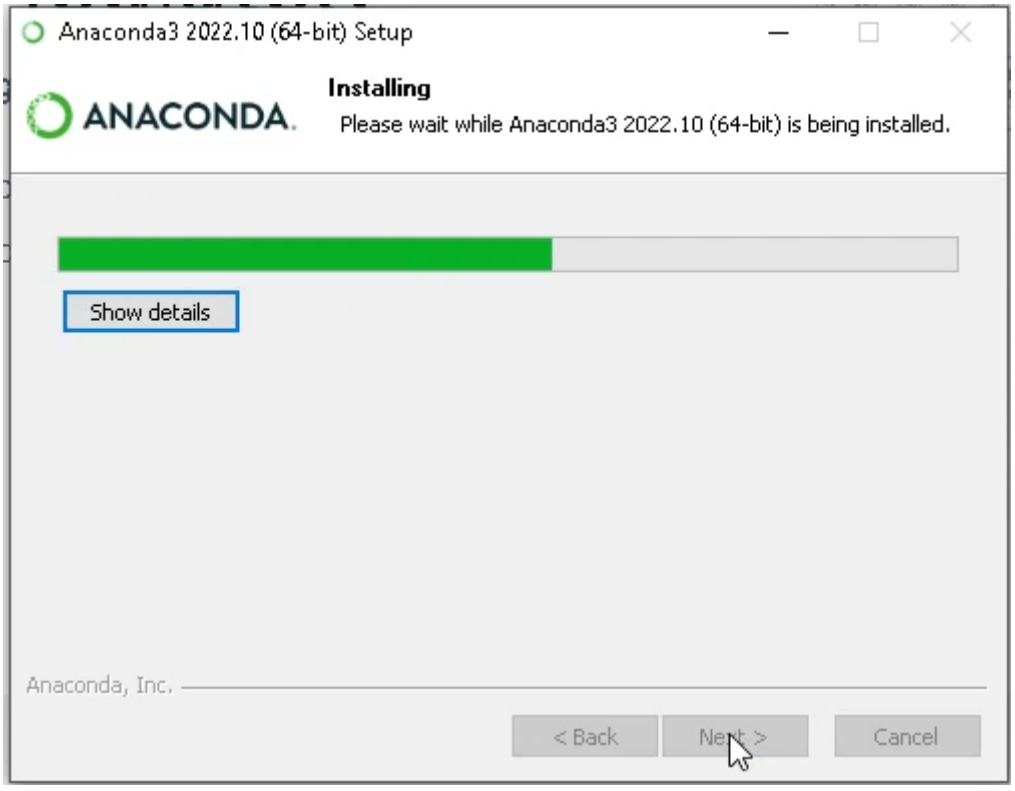
You may then either install Anaconda for the current user or all users (requires admin):



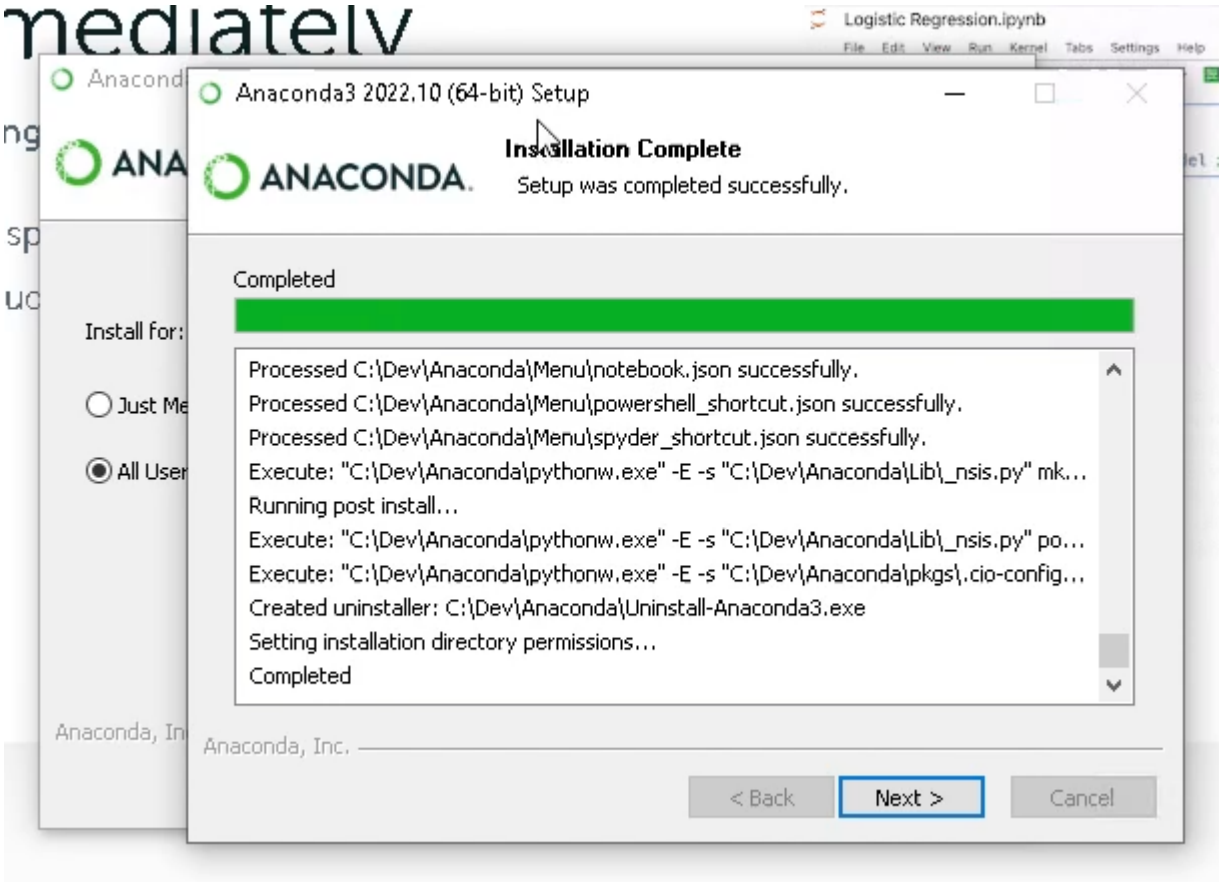
Customize the installation folder:



Then start the installation process:

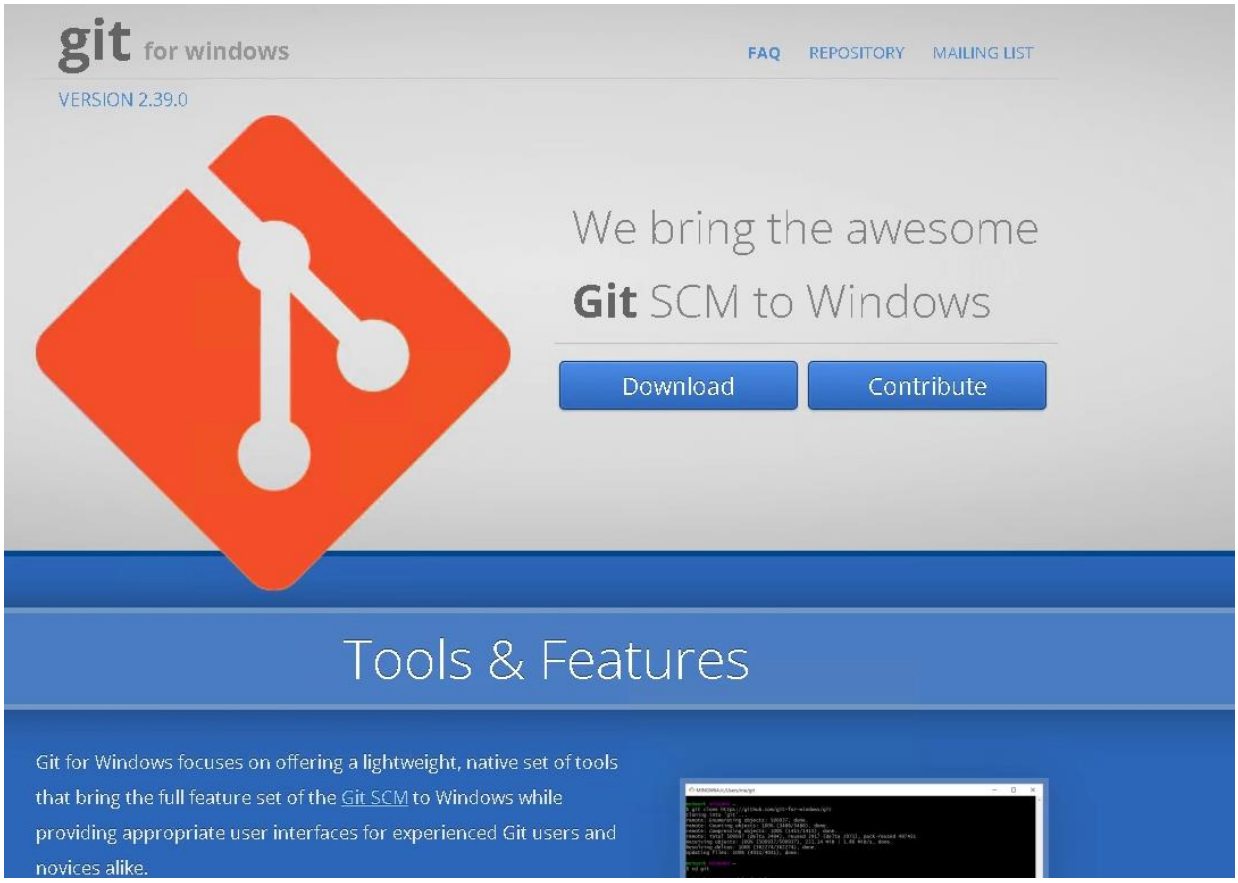


This may take a couple of minutes. Then click Next:



Git for Windows

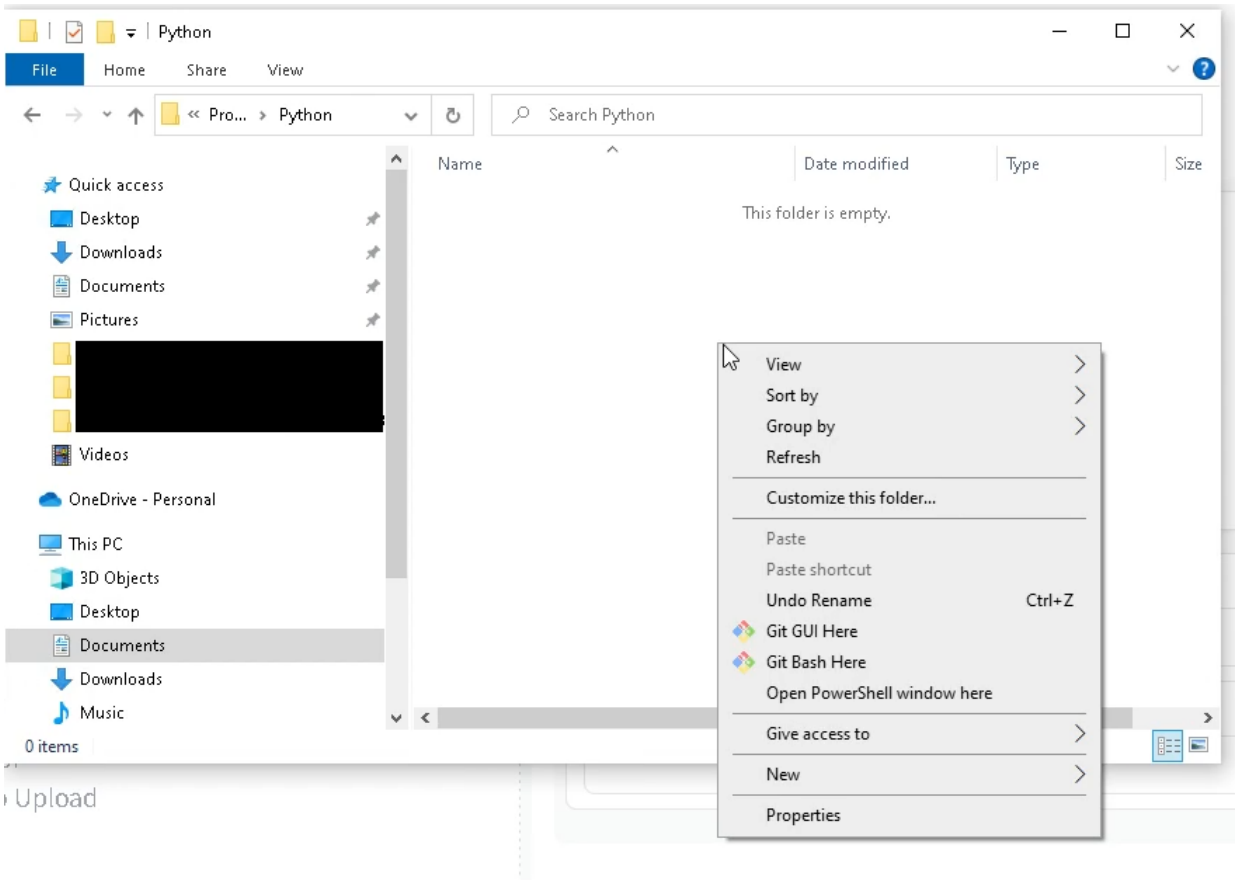
Then, install Git for Windows. Go to https://gitforwindows.org/ and click Download:



And follow the installation wizard.

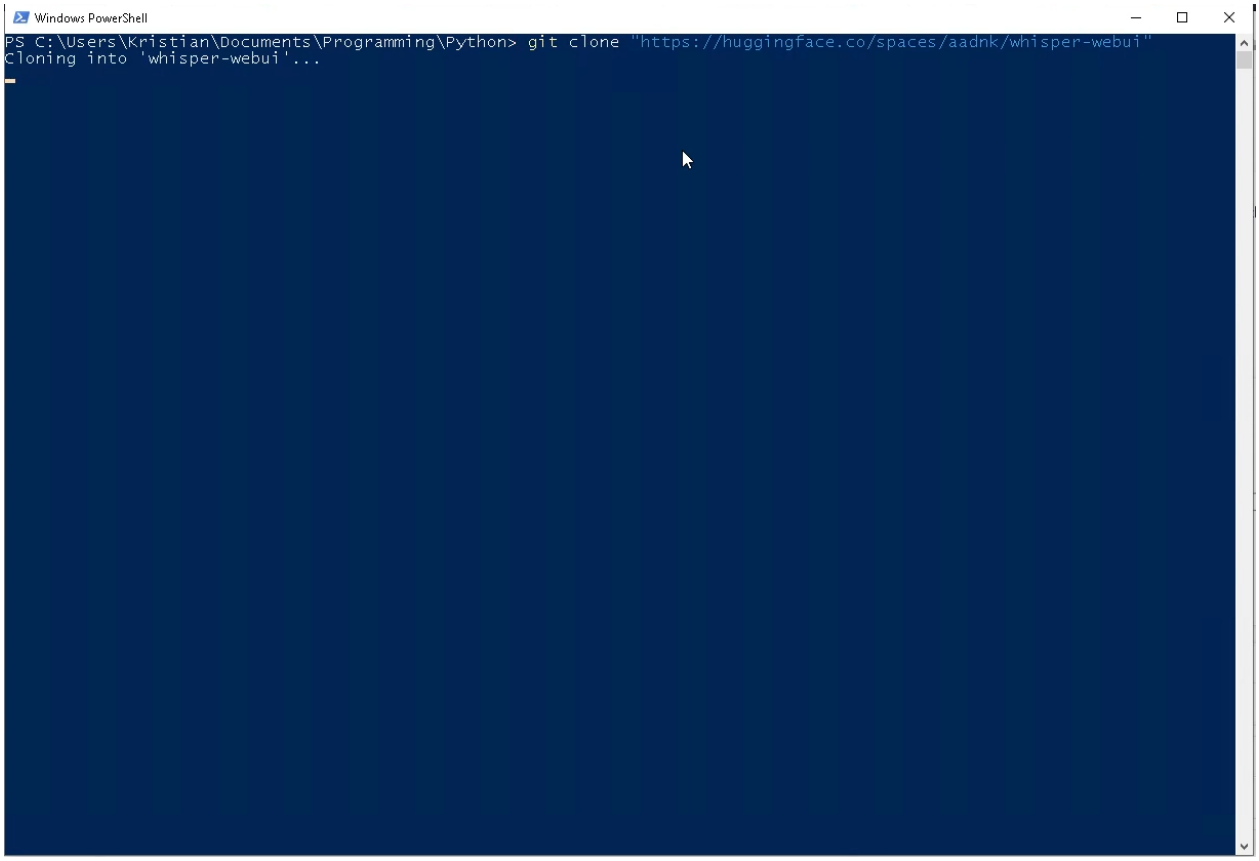
Checkout Whisper WebUI

Next, we will checkout the Whisper WebUI project to a folder. Navigate to a location where you'd like to keep the Python project (for instance the Documents folder), and right click while holding the SHIFT key:

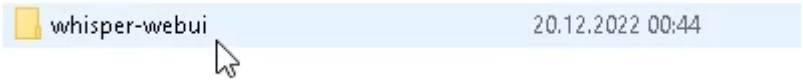


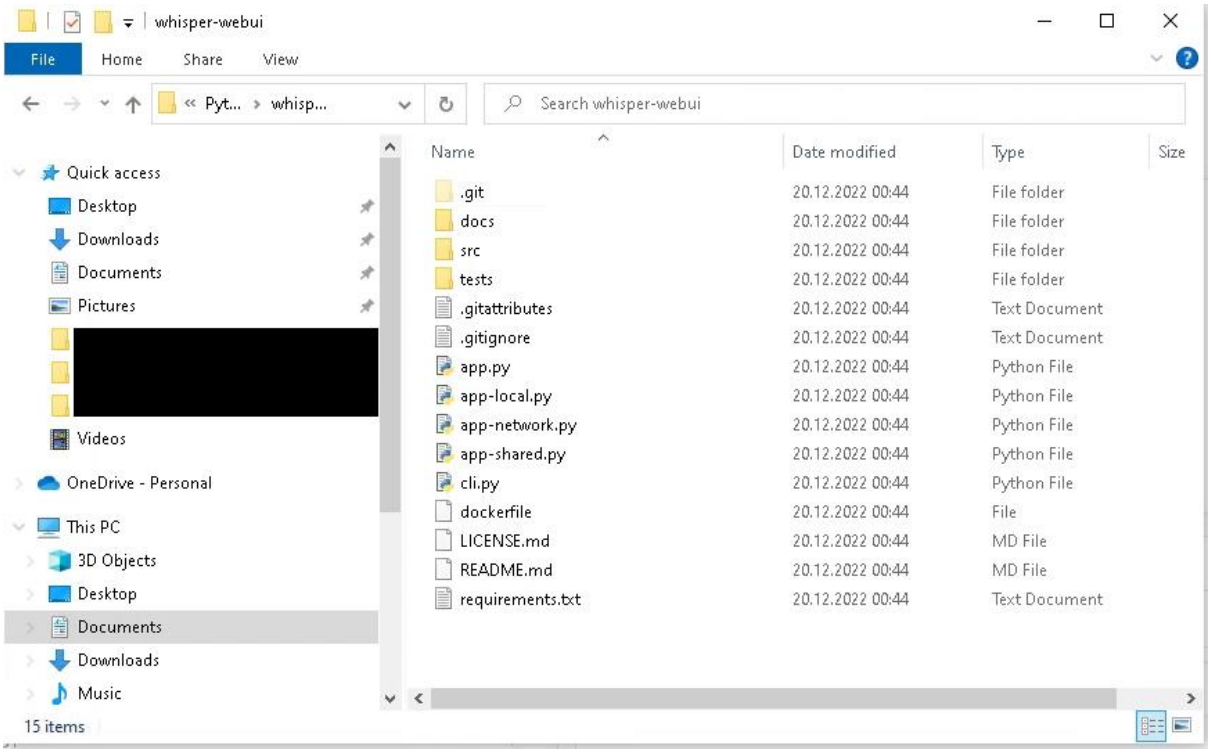
Click "Open Powershell window here". Then type the following command in the Powershell Window:

```
git clone "https://huggingface.co/spaces/aadnk/whisper-webui"
```

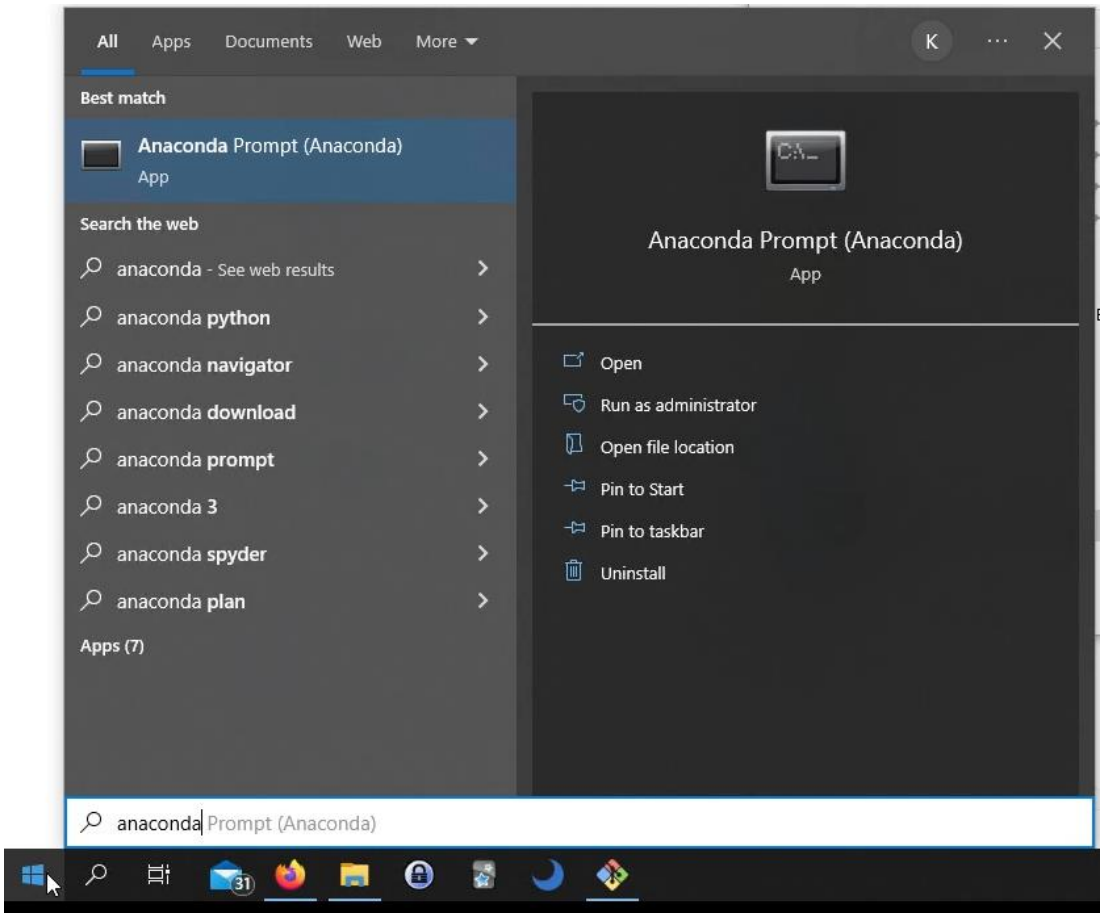


Close the window and navigate into the cloned folder:



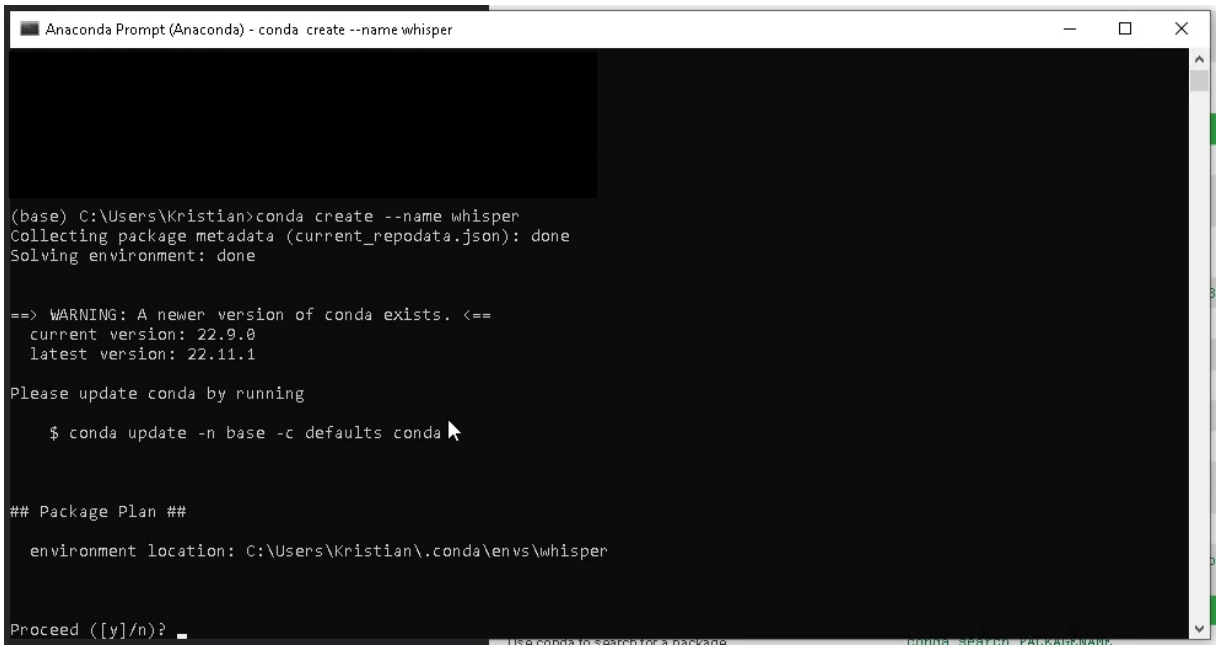


Next, click the Windows button, and type “Anaconda Prompt” into the search window:

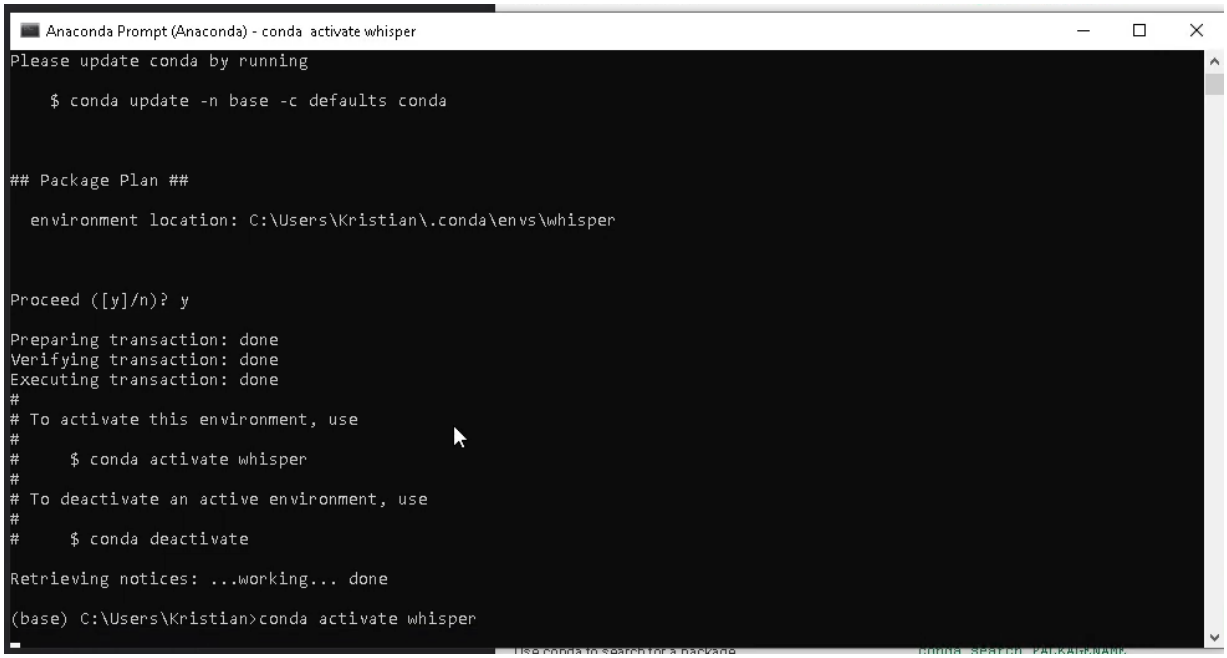


Click “Anaconda Prompt”. Then type the following command to create a new “whisper” environment:

```
conda create --name whisper
```

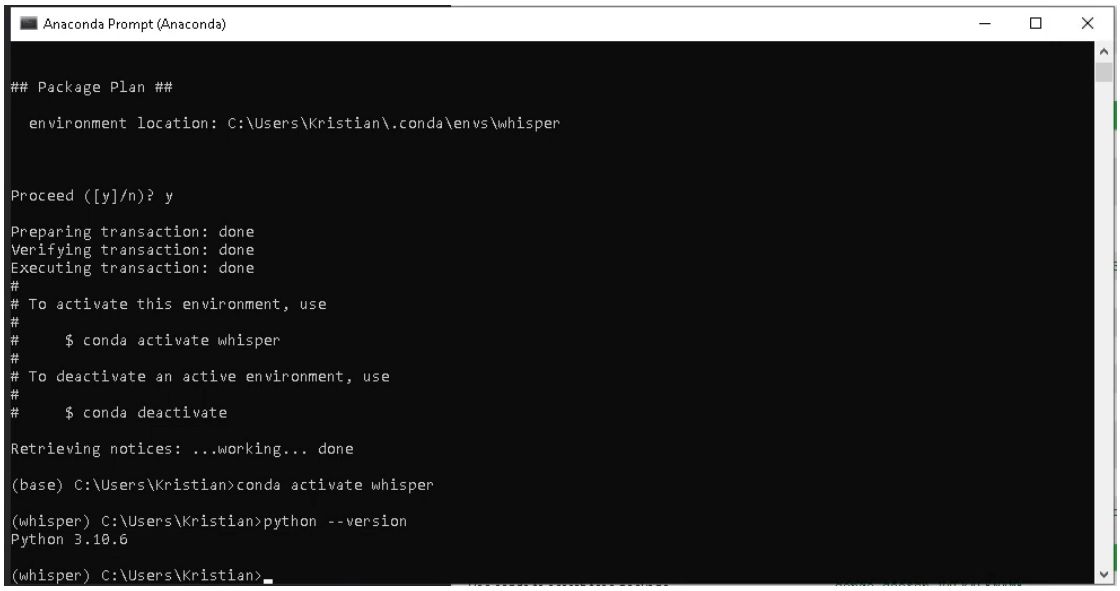


Type “y” to create this environment:

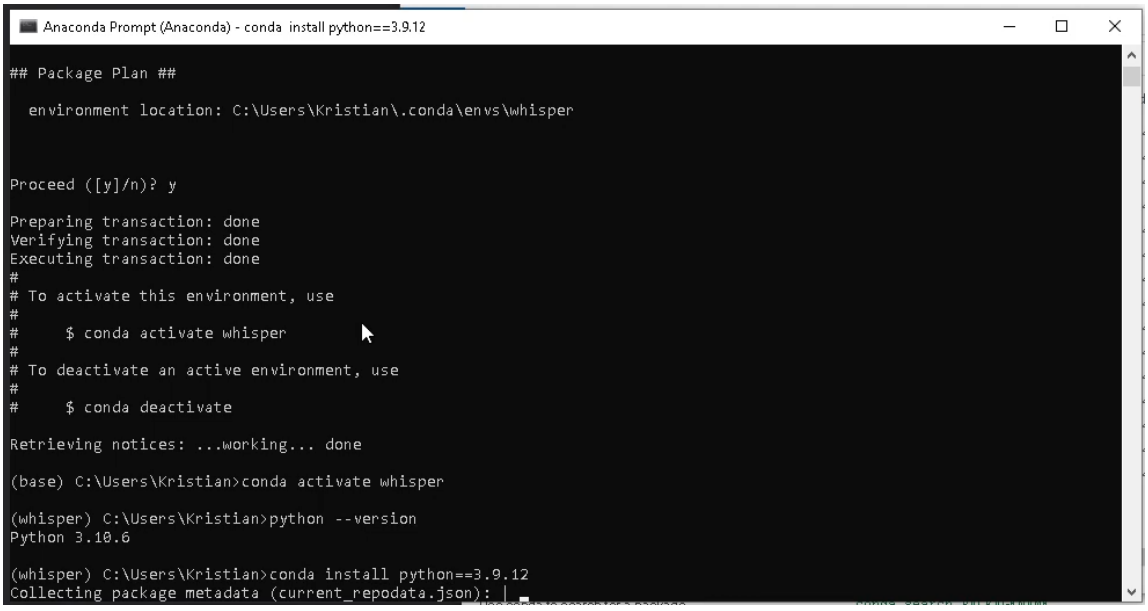


Next, type "`conda activate whisper`" to actually use this environment. You will have to type this every time you want to start the WebUI.

You should then check the Python version with the command "`python --version`":

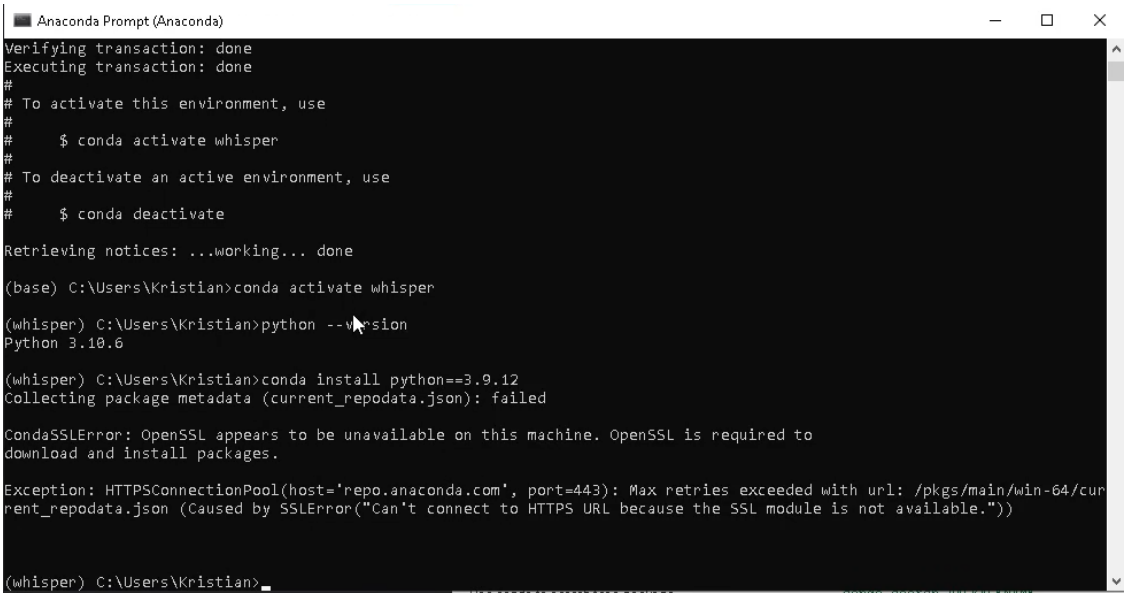


If this is different than Python 3.9.12, you may switch to Python 3.9.12 using the "`conda install python==3.9.12`" command:



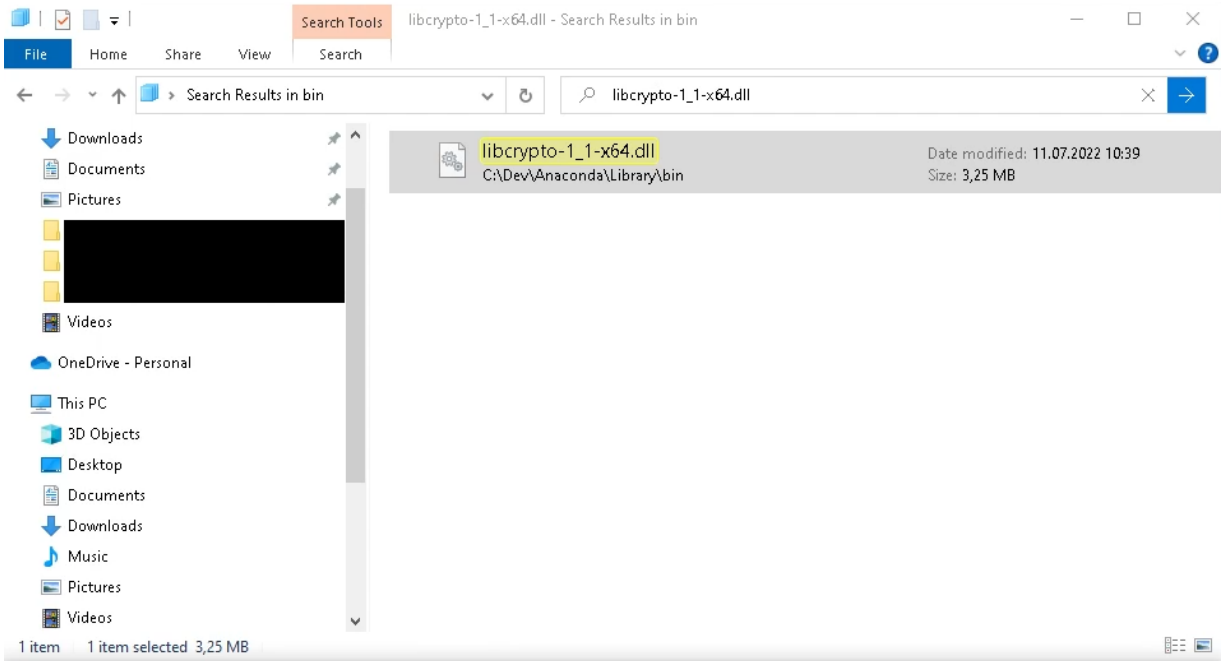
CondaSSLError

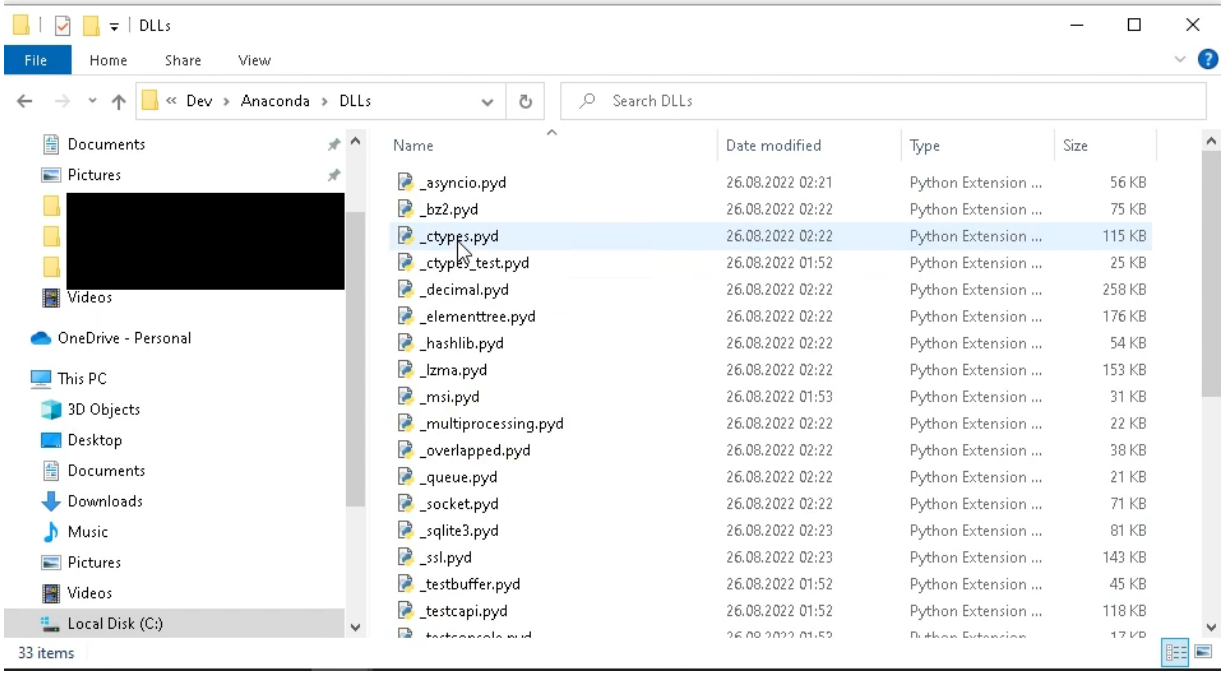
Now, for some reason, I encountered an error here – CondaSSLError: OpenSSL appears to be unavailable on this machine.



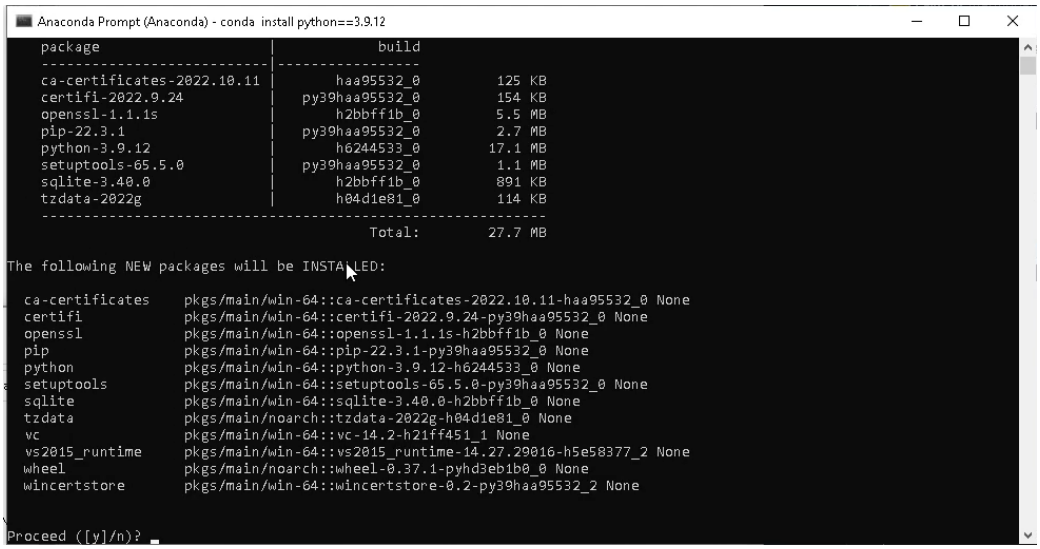
This seems to be an issue with the Python version in the base package. A simple workaround is to copy some DLL files as explained here:

- https://github.com/conda/conda/issues/11982#issuecomment-1285929629

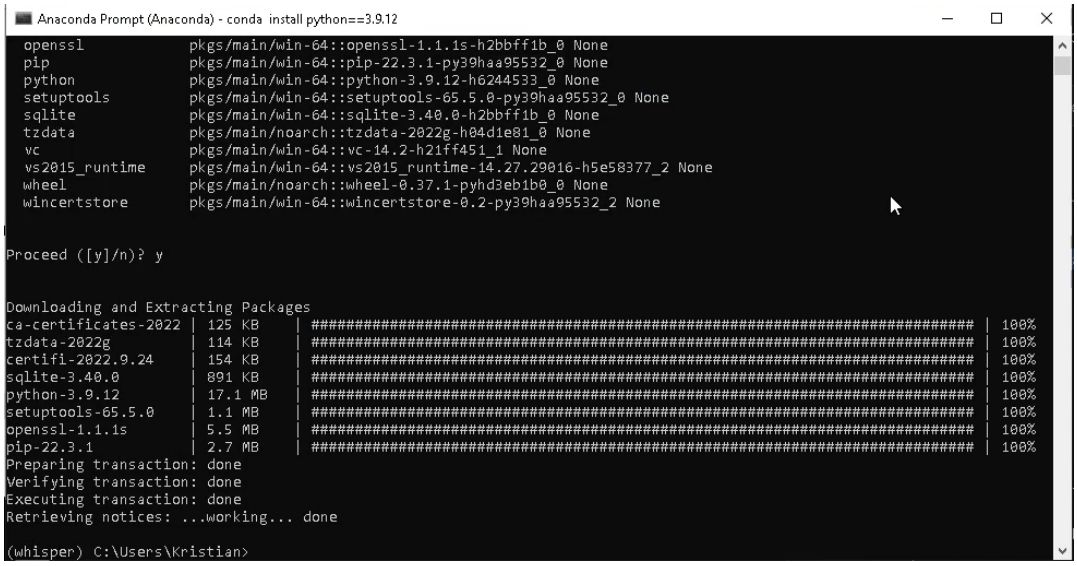

Search Tools
libcrypto-1_1-x64.dll - Search Results in bin
File
Home
Share
View
Search
Search Results in bin
libcrypto-1_1-x64.dll
Downloads
Documents
Pictures
Videos
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
libcrypto-1_1-x64.dll
C:\Dev\Anaconda\Library\bin
Date modified: 11.07.2022 10:39
Size: 3,25 MB
1 item
1 item selected 3,25 MB


DLLs
File
Home
Share
View
Dev
Anaconda
DLLs
Search DLLs
Documents
Pictures
Videos
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Name
Date modified
Type
Size
_asyncio.pyd 26.08.2022 02:21 Python Extension ... 56 KB
_bz2.pyd 26.08.2022 02:22 Python Extension ... 75 KB
_ctypes.pyd 26.08.2022 02:22 Python Extension ... 115 KB
_ctypes_test.pyd 26.08.2022 01:52 Python Extension ... 25 KB
_decimal.pyd 26.08.2022 02:22 Python Extension ... 258 KB
_elementtree.pyd 26.08.2022 02:22 Python Extension ... 176 KB
_hashlib.pyd 26.08.2022 02:22 Python Extension ... 54 KB
_lzma.pyd 26.08.2022 02:22 Python Extension ... 153 KB
_msi.pyd 26.08.2022 01:53 Python Extension ... 31 KB
_multiprocessing.pyd 26.08.2022 02:22 Python Extension ... 22 KB
_overlapped.pyd 26.08.2022 02:22 Python Extension ... 38 KB
_queue.pyd 26.08.2022 02:22 Python Extension ... 21 KB
_socket.pyd 26.08.2022 02:22 Python Extension ... 71 KB
_sqlite3.pyd 26.08.2022 02:23 Python Extension ... 81 KB
_ssl.pyd 26.08.2022 02:23 Python Extension ... 143 KB
_testbuffer.pyd 26.08.2022 01:52 Python Extension ... 45 KB
_testcapi.pyd 26.08.2022 01:52 Python Extension ... 118 KB
33 items

You should then be able to install Python 3.9.12:



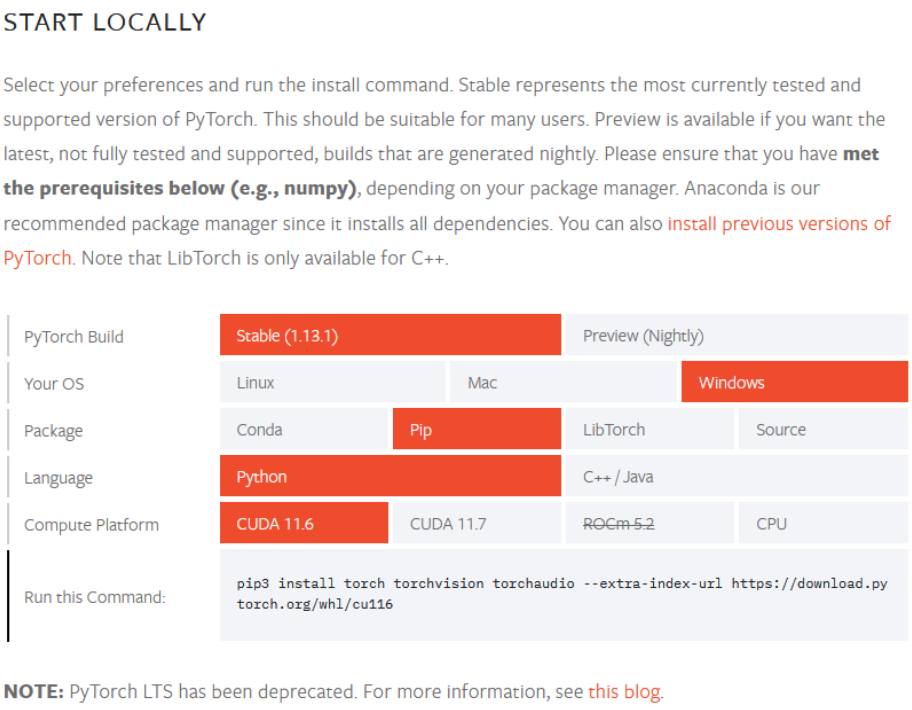
Type “y”.



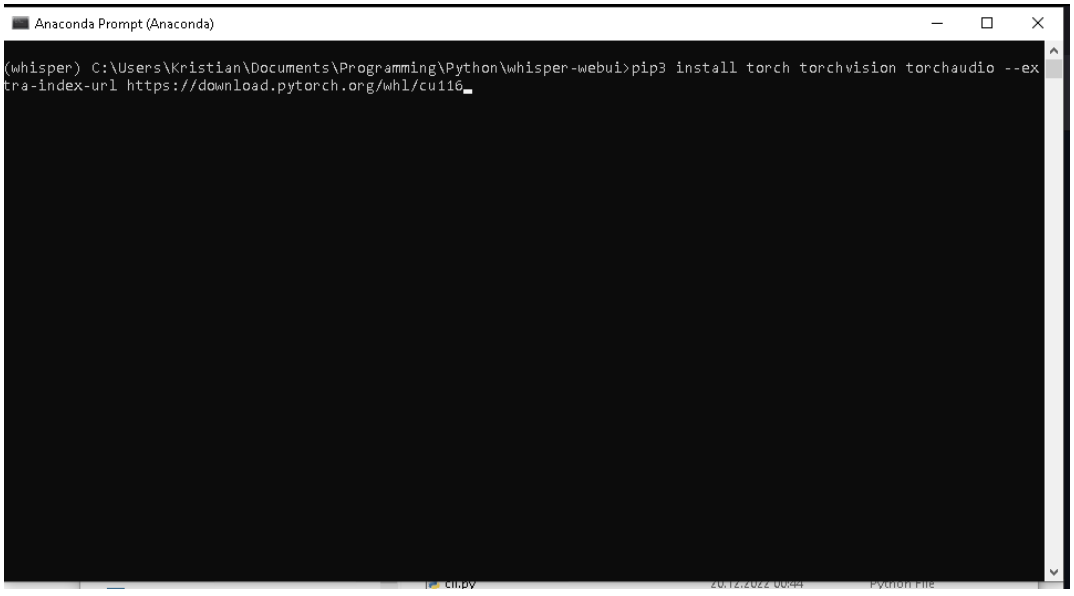
Installing Torch

If you want GPU acceleration, you will also need to install the GPU version of PyTorch. Go to to the following website:

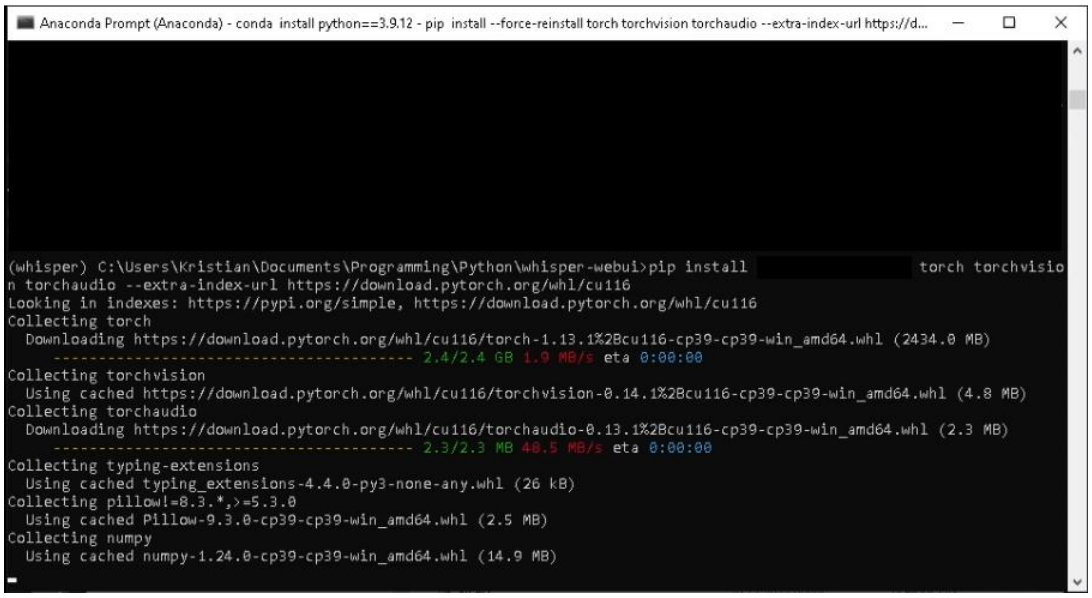
- https://pytorch.org/get-started/locally/



Copy the command in “Run this command” and run it in the Anaconda Prompt window:

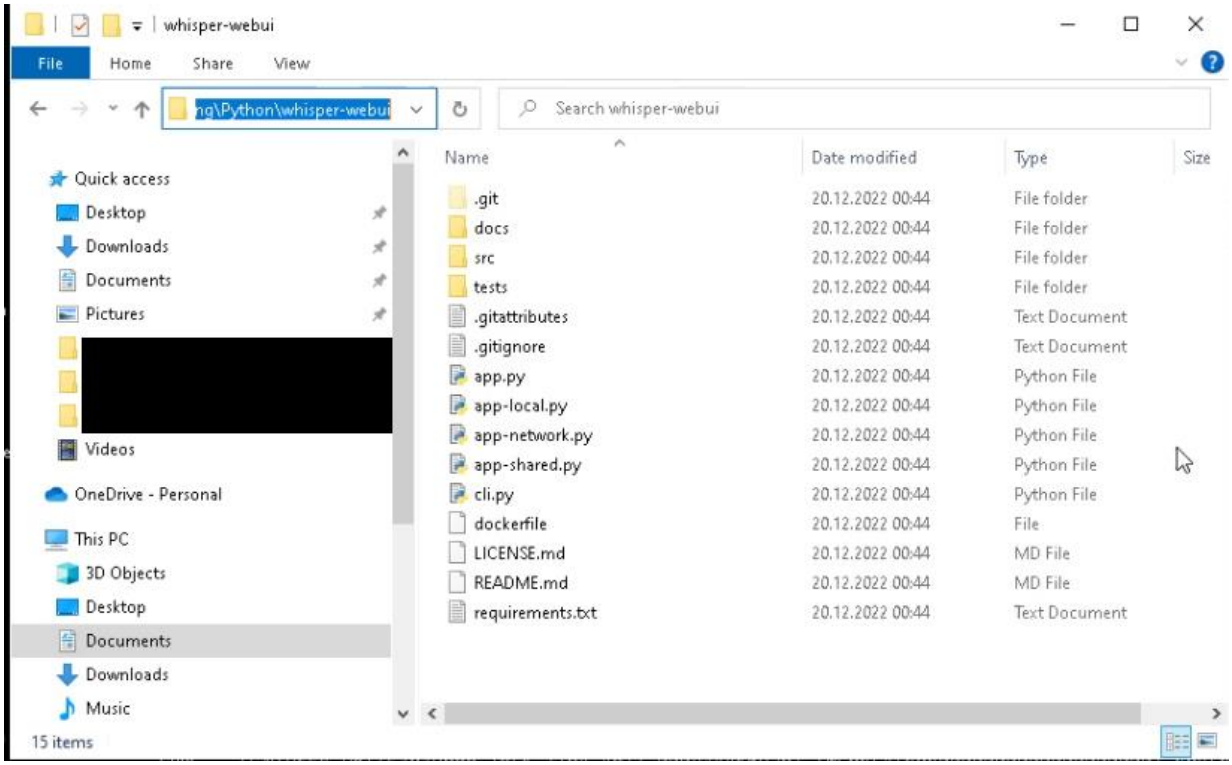


This may take some to execute:

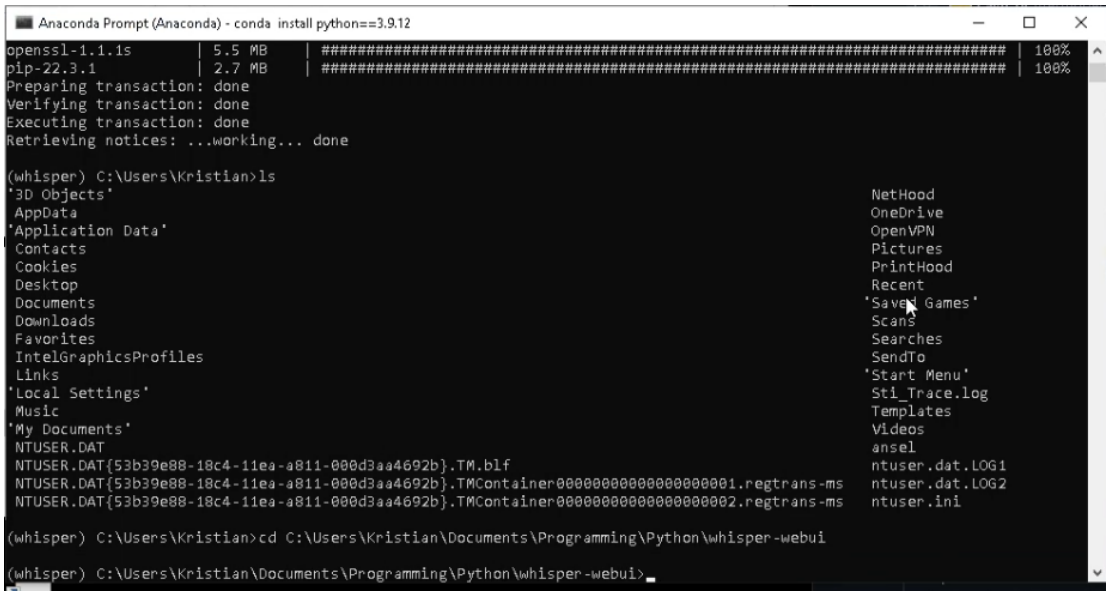


Installing requirements

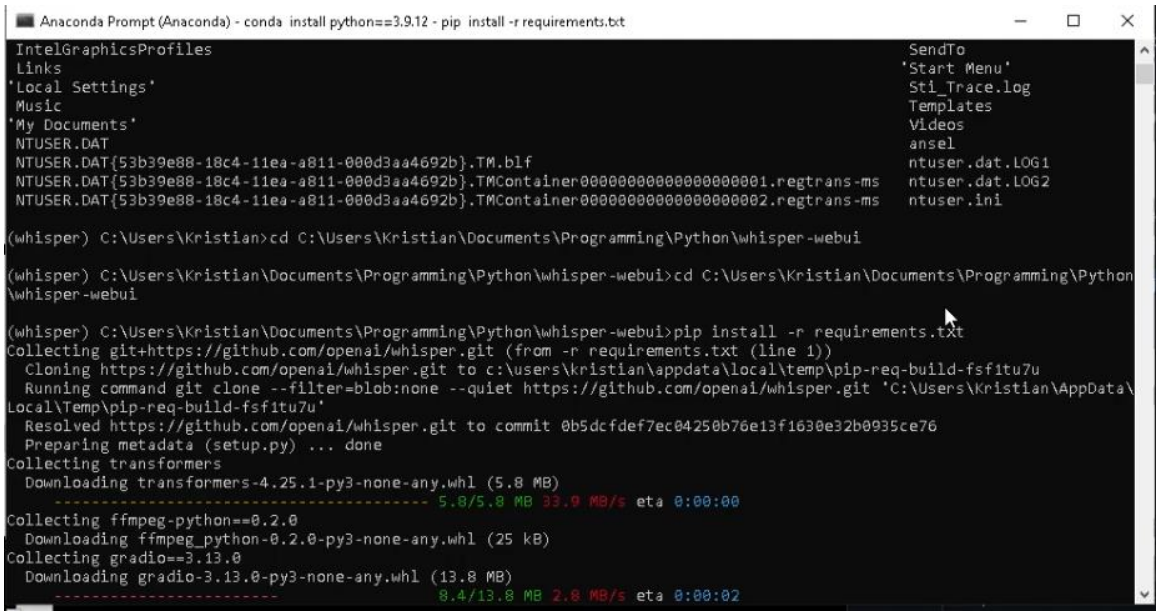
Start by copying the path to the folder “whisper-webui” from Explorer:



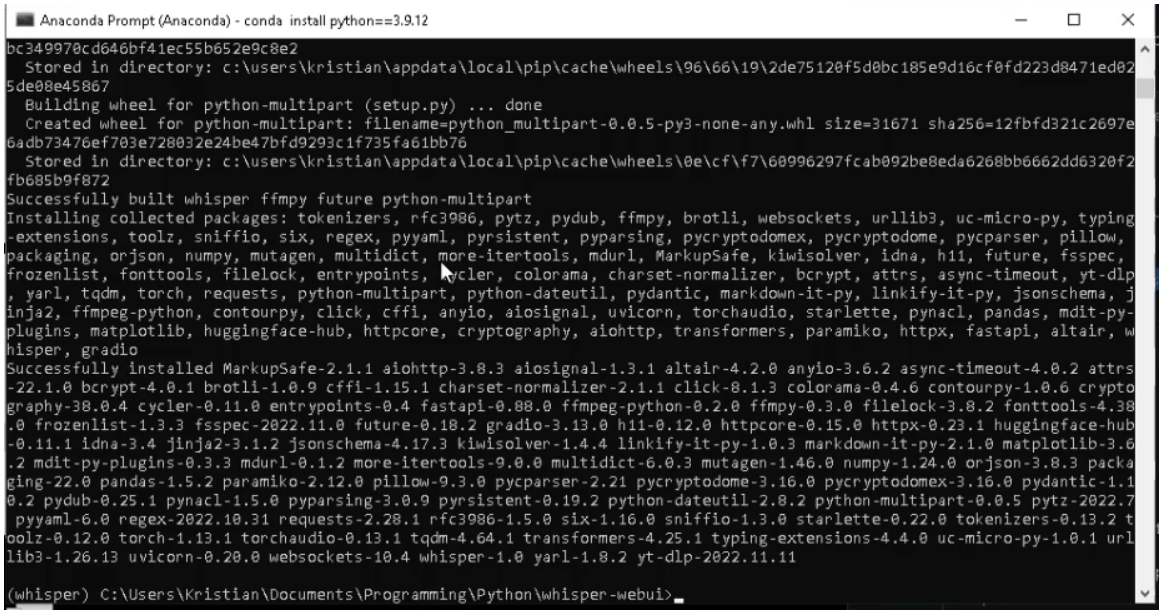
Execute the command “`cd FOLDER-PATH`”, where “FOLDER-PATH” is the path you copied from Explorer:



Run the command "`pip install -r requirements.txt`", which will install all other requirements in addition to PyTorch:



This may take some time ...

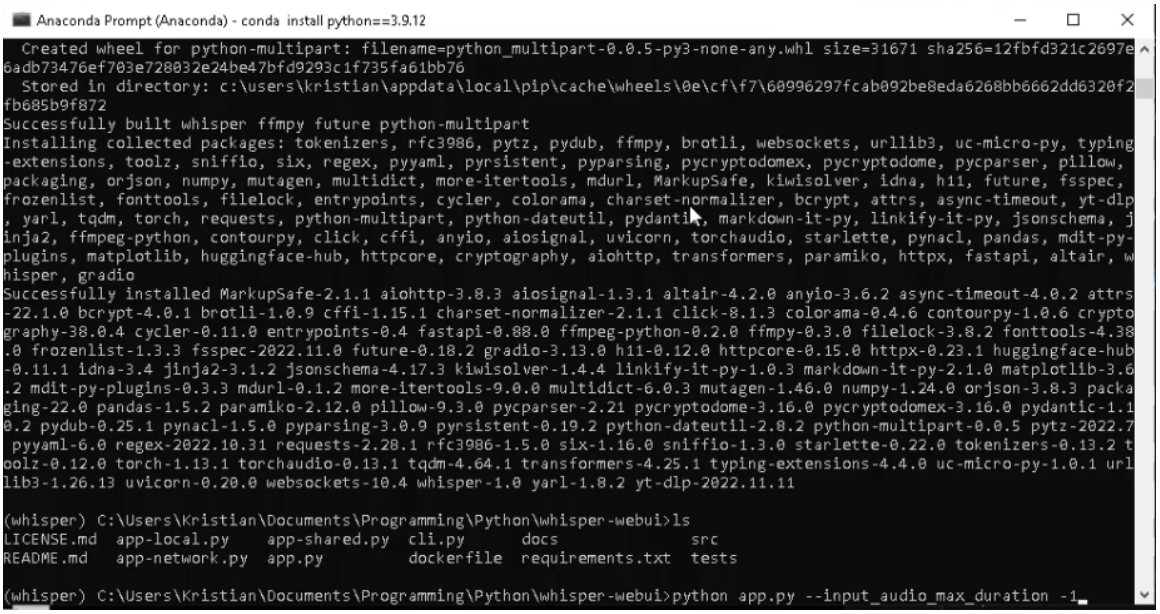


Running WebUI

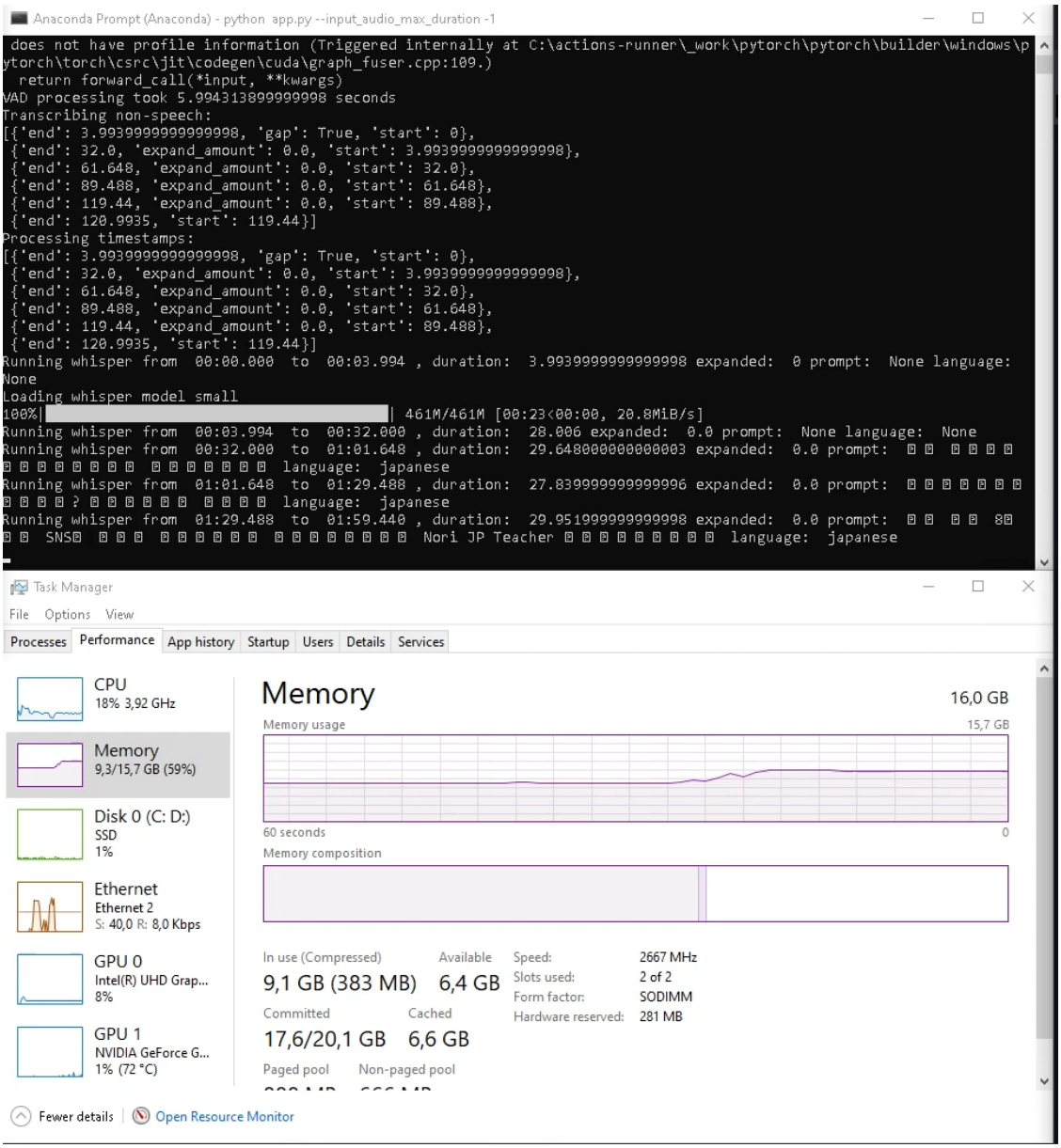
If you have closed “Anaconda Prompt” from the previous steps, or restarted your computer, you may get back to this step by opening “Anaconda Prompt” by searching for it in Windows.
Then type “conda activate whisper” to load the Whisper environment. Finally type “cd FOLDER-PATH” (where “FOLDER-PATH” is path to the whisper-webui directory you cloned earlier).

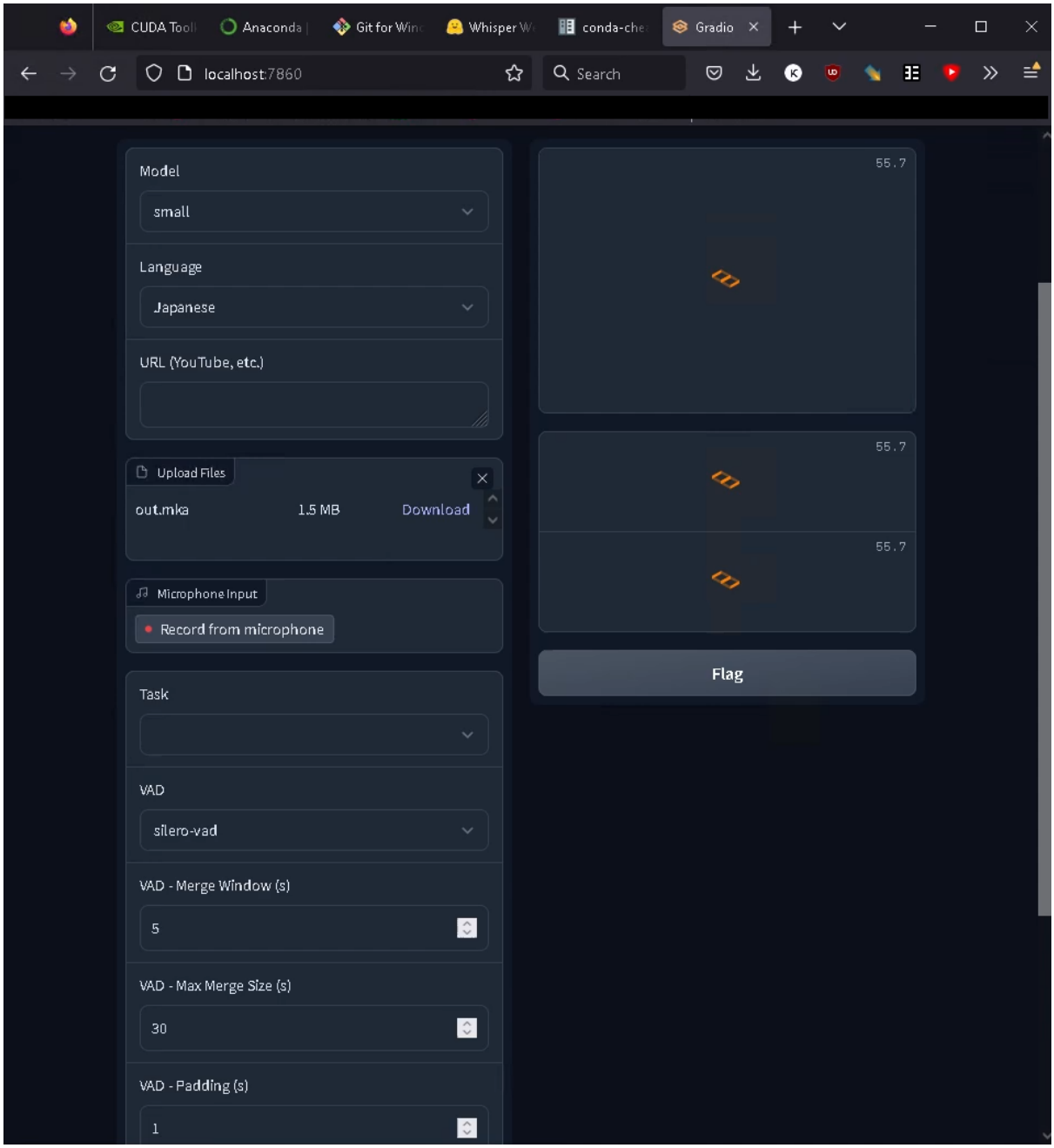
To run the UI, simply type the following command:

```
python app.py --input_audio_max_duration -1
```



Note that depending on the amount of VRAM on your GPU, you may only be able to run the “base” or “small” model. You will get a “Out of memory” error if there’s not enough VRAM.




CUDA Tool
Anaconda
Git for Win
Whisper W
conda-che
Gradio
localhost:7860
Search
Model
small
Language
Japanese
URL (YouTube, etc.)
Upload Files
out.mka
1.5 MB
Download
Microphone Input
Record from microphone
Task
VAD
silero-vad
VAD - Merge Window (s)
5
VAD - Max Merge Size (s)
30
VAD - Padding (s)
1
55.7
55.7
55.7
Flag