

Lab 3 Assignment CS203.....

Team 31

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GitHub URL: <https://github.com/VanshOnGit/CS-203-Assignment-3>

Task 1: Environment Setup

- Execute the “history -c && history -w” command. It should clear all the history of the specific user

A terminal window with a dark background. The prompt is 'vansh@vansh: ~'. The user enters the command 'history -c && history -w' and presses enter. The prompt returns to 'vansh@vansh: ~' with a cursor.

This command clears the user's command history for the session and writes the changes to the history file.

- Execute the “history” command and take the screenshot.

A terminal window with a dark background. The prompt is 'vansh@vansh: ~'. The user enters the command 'history -c && history -w' and presses enter. Then, the user enters the command 'history' and presses enter. The output shows '1 history'. The prompt returns to 'vansh@vansh: ~'.

This command displays the user's current command history, which should now be empty

- Execute command “`sudo apt list | grep -i python3.10`”. If the package for Python 3.10 is installed, then it is removed.

```
vansh@vansh: ~  
vansh@vansh:~$ sudo apt list | grep -i python3.10  
WARNING: apt does not have a stable CLI interface. Use with caution in scripts.  
  
idle-python3.10/noble 3.10.16-1+noble1 all  
libpython3.10-dbg/noble 3.10.16-1+noble1 amd64  
libpython3.10-dev/noble 3.10.16-1+noble1 amd64  
libpython3.10-minimal/noble 3.10.16-1+noble1 amd64  
libpython3.10-stdlib/noble 3.10.16-1+noble1 amd64  
libpython3.10-testsuite/noble 3.10.16-1+noble1 all  
libpython3.10/noble 3.10.16-1+noble1 amd64  
python3.10-dbg/noble 3.10.16-1+noble1 amd64  
python3.10-dev/noble 3.10.16-1+noble1 amd64  
python3.10-distutils/noble 3.10.16-1+noble1 all  
python3.10-examples/noble 3.10.16-1+noble1 all  
python3.10-full/noble 3.10.16-1+noble1 amd64  
python3.10-gdbm-dbg/noble 3.10.16-1+noble1 amd64  
python3.10-gdbm/noble 3.10.16-1+noble1 amd64  
python3.10-lib2to3/noble 3.10.16-1+noble1 all  
python3.10-minimal/noble 3.10.16-1+noble1 amd64  
python3.10-tk-dbg/noble 3.10.16-1+noble1 amd64  
python3.10-tk/noble 3.10.16-1+noble1 amd64  
python3.10-venv/noble 3.10.16-1+noble1 amd64  
python3.10/noble 3.10.16-1+noble1 amd64  
vansh@vansh:~$
```

This command lists available packages matching Python 3.10 and removes it if installed.

- Download and install [Python 3.10](#) using tarball.

```
vansh@vansh:~$ wget https://www.python.org/ftp/python/3.10.16/Python-3.10.16.tgz  
--2025-01-20 20:07:23-- https://www.python.org/ftp/python/3.10.16/Python-3.10.16.tgz  
Resolving www.python.org (www.python.org)... 199.232.20.223, 2a04:4e42:42::223  
Connecting to www.python.org (www.python.org)[199.232.20.223]:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 25942994 (25M) [application/octet-stream]  
Saving to: 'Python-3.10.16.tgz'  
  
Python-3.10.16.tgz      100%[=====] 24.74M  7.59MB/s  in 3.3s  
2025-01-20 20:07:26 (7.46 MB/s) - 'Python-3.10.16.tgz' saved [25942994/25942994]  
vansh@vansh:~$
```

This command downloads the tarball (compressed source code) for Python 3.10.

- This command extracts the downloaded tarball

```
vansh@vansh:~$ tar -xvzf Python-3.10.16.tgz
Python-3.10.16/
Python-3.10.16/.editorconfig
Python-3.10.16/.readthedocs.yml
Python-3.10.16/CODE_OF_CONDUCT.md
Python-3.10.16/Doc/
Python-3.10.16/Doc/Makefile
Python-3.10.16/Doc/README.rst
Python-3.10.16/Doc/about.rst
Python-3.10.16/Doc/bugs.rst
Python-3.10.16/Doc/c-api/
Python-3.10.16/Doc/c-api/abstract.rst
Python-3.10.16/Doc/c-api/allocation.rst
Python-3.10.16/Doc/c-api/apiabiversion.rst
Python-3.10.16/Doc/c-api/arg.rst
Python-3.10.16/Doc/c-api/bool.rst
Python-3.10.16/Doc/c-api/buffer.rst
Python-3.10.16/Doc/c-api/bytearray.rst
Python-3.10.16/Doc/c-api/bytes.rst
Python-3.10.16/Doc/c-api/call.rst
Python-3.10.16/Doc/c-api/capsule.rst
Python-3.10.16/Doc/c-api/cell.rst
Python-3.10.16/Doc/c-api/code.rst
Python-3.10.16/Doc/c-api/codec.rst
Python-3.10.16/Doc/c-api/complex.rst
Python-3.10.16/Doc/c-api/concrete.rst
Python-3.10.16/Doc/c-api/contextvars.rst
Python-3.10.16/Doc/c-api/conversion.rst
Python-3.10.16/Doc/c-api/coro.rst
Python-3.10.16/Doc/c-api/datetime.rst
Python-3.10.16/Doc/c-api/descriptor.rst
Python-3.10.16/Doc/c-api/dict.rst
Python-3.10.16/Doc/c-api/exceptions.rst
Python-3.10.16/Doc/c-api/file.rst
Python-3.10.16/Doc/c-api/float.rst
```

sudo make install

```
Jan 20 20:31
vansh@vansh: ~/Python-3.10.16
vansh@vansh:~/Python-3.10.16$ sudo make install
[sudo] password for vansh:
if test "no-framework" = "no-framework" ; then \
  /usr/bin/install -c python /usr/local/bin/python3.10; \
else \
  /usr/bin/install -c -s Mac/pythonw /usr/local/bin/python3.10; \
fi
if test "3.10" != "3.10"; then \
  if test -f /usr/local/bin/python3.10 -o -h /usr/local/bin/python3.10; \
  then rm -f /usr/local/bin/python3.10; \
  fi; \
  (cd /usr/local/bin; ln python3.10 python3.10); \
fi
if test "x" != "x" ; then \
  rm -f /usr/local/binpython3.10-32; \
  lipo \
    -output /usr/local/bin/python3.10-32 \
    /usr/local/bin/python3.10; \
fi
if test "x" != "x" ; then \
  rm -f /usr/local/binpython3.10-intel64; \
  lipo \
    -output /usr/local/bin/python3.10-intel64 \
    /usr/local/bin/python3.10; \
fi
CC='gcc' LDSHARED='gcc -shared -fno-semantic-interposition ' OPT='-DNDEBUG -g -fwrapv -O3 -Wall' _TCLTK_INCLUDES='' _TCLTK_LIBS='' ./python -E ./setup.py build
running build
running build_ext
INFO: Can't locate Tcl/Tk libs and/or headers
building '_ctypes' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror-implicit-function-declaration -fvisibility=hidden -fprofile-use -fprofile-correction -I./Include/internal -I./Include -I. -I/usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/vansh/Python-3.10.16/Include -I/home/vansh/Python-3.10.16 -c /home/vansh/Python-3.10.16/Modules/_ctypes/_ctypes.c -o build/temp.linux-x86_64-3.10/home/vansh/Python-3.10.16/Modules/_ctypes/_ctypes.o -DPy_BUILD_CORE_MODULE
/home/vansh/Python-3.10.16/Modules/_ctypes/_ctypes.c:107:10: fatal error: ffi.h: No such file or directory
 107 | #include <ffi.h>
      |         ^~~~~~
compilation terminated.

The necessary bits to build these optional modules were not found:
```

This command installs python

Python3.10 --version

```
vansh@vansh: ~/Python-3.10.16
vansh@vansh:~/Python-3.10.16$ python3.10 --version
Python 3.10.16
vansh@vansh:~/Python-3.10.16$
```

This verifies that Python 3.10 was installed successfully

- Make Pip environment using newly installed python3.10

```
vansh@vansh: ~/Python-3.10.16
vansh@vansh:~/Python-3.10.16$ python3.10 -m ensurepip --upgrade
Defaulting to user installation because normal site-packages is not writeable
Looking in links: /tmp/tmp3ychunct
Requirement already satisfied: setuptools in /usr/local/lib/python3.10/site-packages (65.5.0)
Requirement already satisfied: pip in /usr/local/lib/python3.10/site-packages (23.0.1)
vansh@vansh:~/Python-3.10.16$ python3.10 -m pip --version
pip 23.0.1 from /usr/local/lib/python3.10/site-packages/pip (python 3.10)
vansh@vansh:~/Python-3.10.16$
```

This command ensures the pip package manager is installed for Python 3.10.

Create a virtual environment:

```
vansh@vansh: ~/Python-3.10.16
vansh@vansh:~/Python-3.10.16$ python3.10 -m venv labelstudio_env
vansh@vansh:~/Python-3.10.16$
```

This creates a virtual environment named 'labelstudio_env' using Python 3.10.

Activate the virtual environment:

```
vansh@vansh: ~/Python-3.10.16
vansh@vansh:~/Python-3.10.16$ source labelstudio_env/bin/activate
(labelstudio_env) vansh@vansh:~/Python-3.10.16$
```

This activates the virtual environment

- Install [label studio](#) using pip.

```
vansh@vansh: ~/Python-3.10.16
(labelstudio_env) vansh@vansh:~/Python-3.10.16$ sudo apt install python3.10-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libexpat1-dev libnsl2 libpython3.10 libpython3.10-dev libpython3.10-minimal libpython3.10-stdlib python3.10 python3.10-minimal
Suggested packages:
  python3.10-venv binfmt-support
The following NEW packages will be installed:
  libexpat1-dev libnsl2 libpython3.10 libpython3.10-dev libpython3.10-minimal libpython3.10-stdlib python3.10 python3.10-dev python3.10-minimal
0 upgraded, 9 newly installed, 0 to remove and 63 not upgraded.
Need to get 12.6 MB of archives.
After this operation, 48.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://in.archive.ubuntu.com/ubuntu/noble-updates/main amd64 libexpat1-dev amd64 2.6.1-2ubuntu0.2 [998 kB]
Get:2 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 libpython3.10-minimal amd64 3.10.16-1+noble1 [803 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu/noble/main amd64 libnsl2 amd64 1.3.0-3build3 [41.4 kB]
Get:4 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 python3.10-minimal amd64 3.10.16-1+noble1 [1,906 kB]
Get:5 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 libpython3.10-stdlib amd64 3.10.16-1+noble1 [1,825 kB]
Get:6 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 libpython3.10 amd64 3.10.16-1+noble1 [1,931 kB]
Get:7 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 libpython3.10-dev amd64 3.10.16-1+noble1 [4,528 kB]
Get:8 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 python3.10 amd64 3.10.16-1+noble1 [48.9 kB]
Get:9 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu/noble/main amd64 python3.10-dev amd64 3.10.16-1+noble1 [500 kB]
Fetched 12.6 MB in 8s (1,504 kB/s)
Selecting previously unselected package libpython3.10-minimal:amd64.
(Reading database ... 165253 files and directories currently installed.)
Preparing to unpack .../0-libpython3.10-minimal_3.10.16-1+noble1_amd64.deb ...
Unpacking libpython3.10-minimal:amd64 (3.10.16-1+noble1) ...
Selecting previously unselected package python3.10-minimal.
Preparing to unpack .../1-python3.10-minimal_3.10.16-1+noble1_amd64.deb ...
Unpacking python3.10-minimal (3.10.16-1+noble1) ...
Selecting previously unselected package libexpat1-dev:amd64.
Preparing to unpack .../2-libexpat1-dev_2.6.1-2ubuntu0.2_amd64.deb ...
Unpacking libexpat1-dev:amd64 (2.6.1-2ubuntu0.2) ...
Selecting previously unselected package libnsl2:amd64.
Preparing to unpack .../3-libnsl2_1.3.0-3build3_amd64.deb ...
Unpacking libnsl2:amd64 (1.3.0-3build3) ...
Selecting previously unselected package libpython3.10-stdlib:amd64.
Preparing to unpack .../4-libpython3.10-stdlib_3.10.16-1+noble1_amd64.deb ...
Unpacking libpython3.10-stdlib:amd64 (3.10.16-1+noble1) ...
Selecting previously unselected package libpython3.10:amd64.
Preparing to unpack .../5-libpython3.10_3.10.16-1+noble1_amd64.deb ...
Unpacking libpython3.10:amd64 (3.10.16-1+noble1) ...
Selecting previously unselected package python3.10.
Preparing to unpack .../6-python3.10_3.10.16-1+noble1_amd64.deb ...
Unpacking python3.10 (3.10.16-1+noble1) ...
Selecting previously unselected package python3.10-dev.
Preparing to unpack .../7-python3.10-dev_3.10.16-1+noble1_amd64.deb ...
Unpacking python3.10-dev (3.10.16-1+noble1) ...
Selecting previously unselected package python3.10-minimal.
Preparing to unpack .../8-python3.10-minimal_3.10.16-1+noble1_amd64.deb ...
Unpacking python3.10-minimal (3.10.16-1+noble1) ...
```

The command `sudo apt install python3.10-dev` installs the development files and headers necessary for compiling Python modules for Python 3.10

```
(labelstudio_env) vansh@vansh:~/Python-3.10.16$ python -m pip install label-studio
Collecting label-studio
  Downloading label_studio-1.15.0-py3-none-any.whl (60.6 MB)
    60.6/60.6 MB 3.5 MB/s eta 0:00:00
Collecting attr==0.3.1
  Downloading attr-0.3.1.tar.gz (1.7 kB)
  Preparing metadata (setup.py) ... done
Collecting label-studio-sdk==1.0.8
  Downloading label_studio_sdk-1.0.8-py3-none-any.whl (365 kB)
    365.1/365.1 kB 11.6 MB/s eta 0:00:00
Collecting attrs>=19.2.0
  Downloading attrs-24.3.0-py3-none-any.whl (63 kB)
    63.4/63.4 kB 9.6 MB/s eta 0:00:00
Collecting launchdarkly-server-sdk==8.2.1
  Downloading launchdarkly_server_sdk-8.2.1-py3-none-any.whl (171 kB)
    172.0/172.0 kB 4.1 MB/s eta 0:00:00
Collecting urllib3<2.0.0,>=1.26.18
  Downloading urllib3-1.26.20-py2.py3-none-any.whl (144 kB)
    144.2/144.2 kB 8.6 MB/s eta 0:00:00
Collecting redis<4.0,>=3.5
  Downloading redis-3.5.3-py2.py3-none-any.whl (72 kB)
    72.1/72.1 kB 13.4 MB/s eta 0:00:00
Collecting rules==3.4
  Downloading rules-3.4-py2.py3-none-any.whl (25 kB)
Collecting azure-storage-blob>=12.6.0
  Downloading azure_storage_blob-12.24.0-py3-none-any.whl (408 kB)
    408.6/408.6 kB 34.3 MB/s eta 0:00:00
Collecting django-migration-linter<6.0.0,>=5.1.0
  Downloading django_migration_linter-5.1.0-py3-none-any.whl (27 kB)
Collecting humansignal-drf-yasg>=1.21.10.post1
  Downloading humansignal_drf_yasg-1.21.10.post1-py3-none-any.whl (4.3 MB)
    4.3/4.3 MB 3.1 MB/s eta 0:00:00
Collecting lxml[html-clean]>=4.9.4
  Downloading lxml-5.3.0-cp310-cp310-manylinux_2_28_x86_64.whl (5.0 MB)
    5.0/5.0 MB 3.2 MB/s eta 0:00:00
Collecting appdirs>=1.4.3
  Downloading appdirs-1.4.4-py2.py3-none-any.whl (9.6 kB)
Collecting pyyaml>=6.0.0
  Downloading PyYAML-6.0.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (751 kB)
    751.2/751.2 kB 8.8 MB/s eta 0:00:00
```

This installs Label Studio in the pip environment

```
(labelstudio_env) vansh@vansh:~/Python-3.10.16$ label-studio --version
=> Database and media directory: /home/vansh/.local/share/label-studio
=> Static URL is set to: /static/
=> Database and media directory: /home/vansh/.local/share/label-studio
=> Static URL is set to: /static/
Read environment variables from: /home/vansh/.local/share/label-studio/.env
get 'SECRET_KEY' casted as '<class 'str'>' with default ''
Starting new HTTPS connection (1): pypi.org:443
https://pypi.org:443 "GET /pypi/label-studio/json HTTP/1.1" 200 33651
Initializing database..
Label Studio version: 1.15.0
```

This confirms that Label Studio was installed successfully.

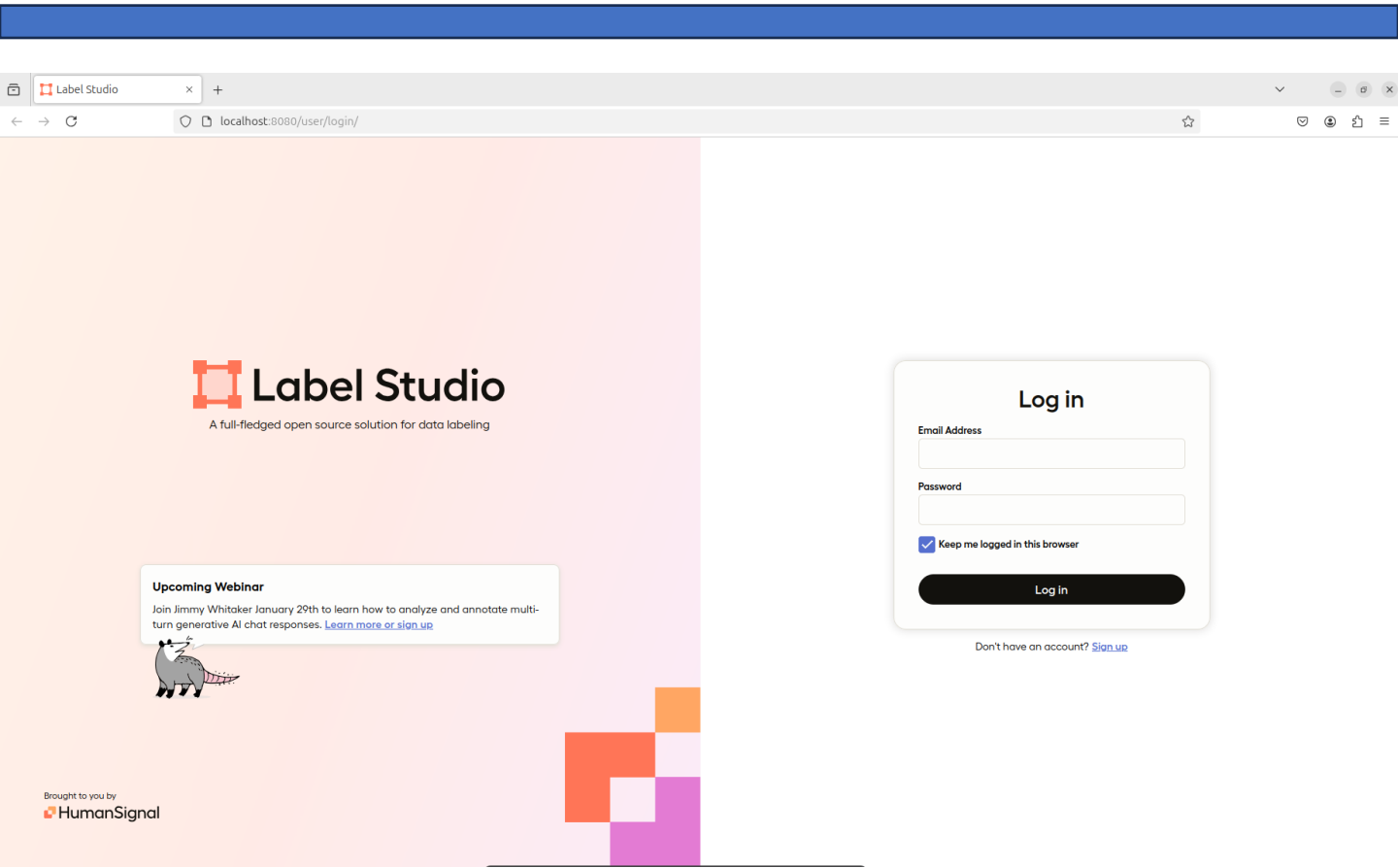
Open, Register, and Check Label Studio on the web browser.

1. Start Label Studio

```
vansh@vansh: ~/Python-3.10.16
labelstudio_env) vansh@vansh:~/Python-3.10.16$ label-studio start
-> Database and media directory: /home/vansh/.local/share/label-studio
-> Static URL is set to: /static/
-> Database and media directory: /home/vansh/.local/share/label-studio
-> Static URL is set to: /static/
Read environment variables from: /home/vansh/.local/share/label-studio/.env
Get 'SECRET_KEY' casted as '<class 'str'>' with default ''
Starting new HTTPS connection (1): pypi.org:443
https://pypi.org:443 "GET /pypi/label-studio/json HTTP/1.1" 200 33651
January 20, 2025 - 21:16:41
Django version 4.2.18, using settings 'label_studio.core.settings.label_studio'
Starting development server at http://0.0.0.0:8080/
Quit the server with CONTROL-C.

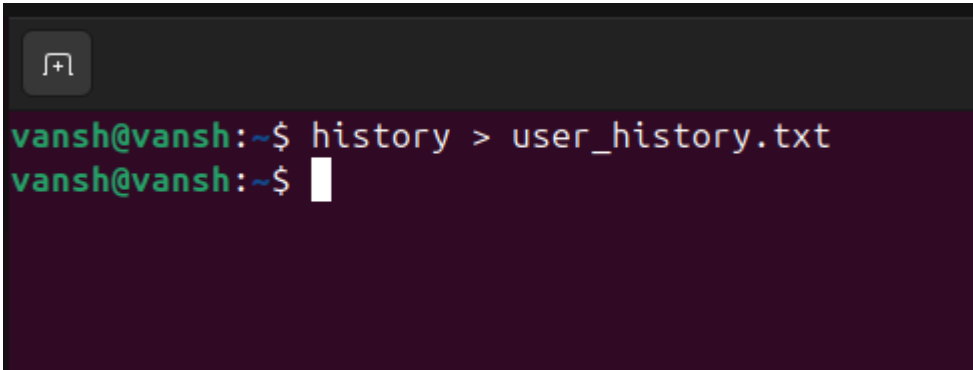
2025-01-20 21:16:44,132] [django.server::log_message::212] [INFO] "GET / HTTP/1.1" 302 0
2025-01-20 21:16:44,132] [django.server::log_message::212] [INFO] "GET / HTTP/1.1" 302 0
2025-01-20 21:16:44,170] [django.server::log_message::212] [INFO] "GET /user/login/ HTTP/1.1" 200 11151
2025-01-20 21:16:44,170] [django.server::log_message::212] [INFO] "GET /user/login/ HTTP/1.1" 200 11151
2025-01-20 21:16:44,309] [django.server::log_message::212] [INFO] "GET /static/css/main.03e0d1342adf.css HTTP/1.1" 200 15925
2025-01-20 21:16:44,309] [django.server::log_message::212] [INFO] "GET /static/css/main.03e0d1342adf.css HTTP/1.1" 200 15925
2025-01-20 21:16:44,312] [django.server::log_message::212] [INFO] "GET /react-app/main.css?v=df34d5 HTTP/1.1" 200 97894
2025-01-20 21:16:44,316] [django.server::log_message::212] [INFO] "GET /static/css/fonts.hellix.ad84997f14b9.css HTTP/1.1" 200 366
2025-01-20 21:16:44,316] [django.server::log_message::212] [INFO] "GET /static/css/fonts.hellix.ad84997f14b9.css HTTP/1.1" 200 366
2025-01-20 21:16:44,312] [django.server::log_message::212] [INFO] "GET /react-app/main.css?v=df34d5 HTTP/1.1" 200 97894
2025-01-20 21:16:44,316] [django.server::log_message::212] [INFO] "GET /static/css/login.f0ad478bae25.css HTTP/1.1" 200 6155
2025-01-20 21:16:44,316] [django.server::log_message::212] [INFO] "GET /static/css/login.f0ad478bae25.css HTTP/1.1" 200 6155
2025-01-20 21:16:44,356] [django.server::log_message::212] [INFO] "GET /static/images/human_signal_logo.97adf6f9a70c.svg HTTP/1.1" 200 5248
2025-01-20 21:16:44,356] [django.server::log_message::212] [INFO] "GET /static/images/human_signal_logo.97adf6f9a70c.svg HTTP/1.1" 200 5248
2025-01-20 21:16:44,374] [django.server::log_message::212] [INFO] "GET /static/icons/logo-black.64a55656e13e.svg HTTP/1.1" 200 9254
```

This starts the Label Studio server



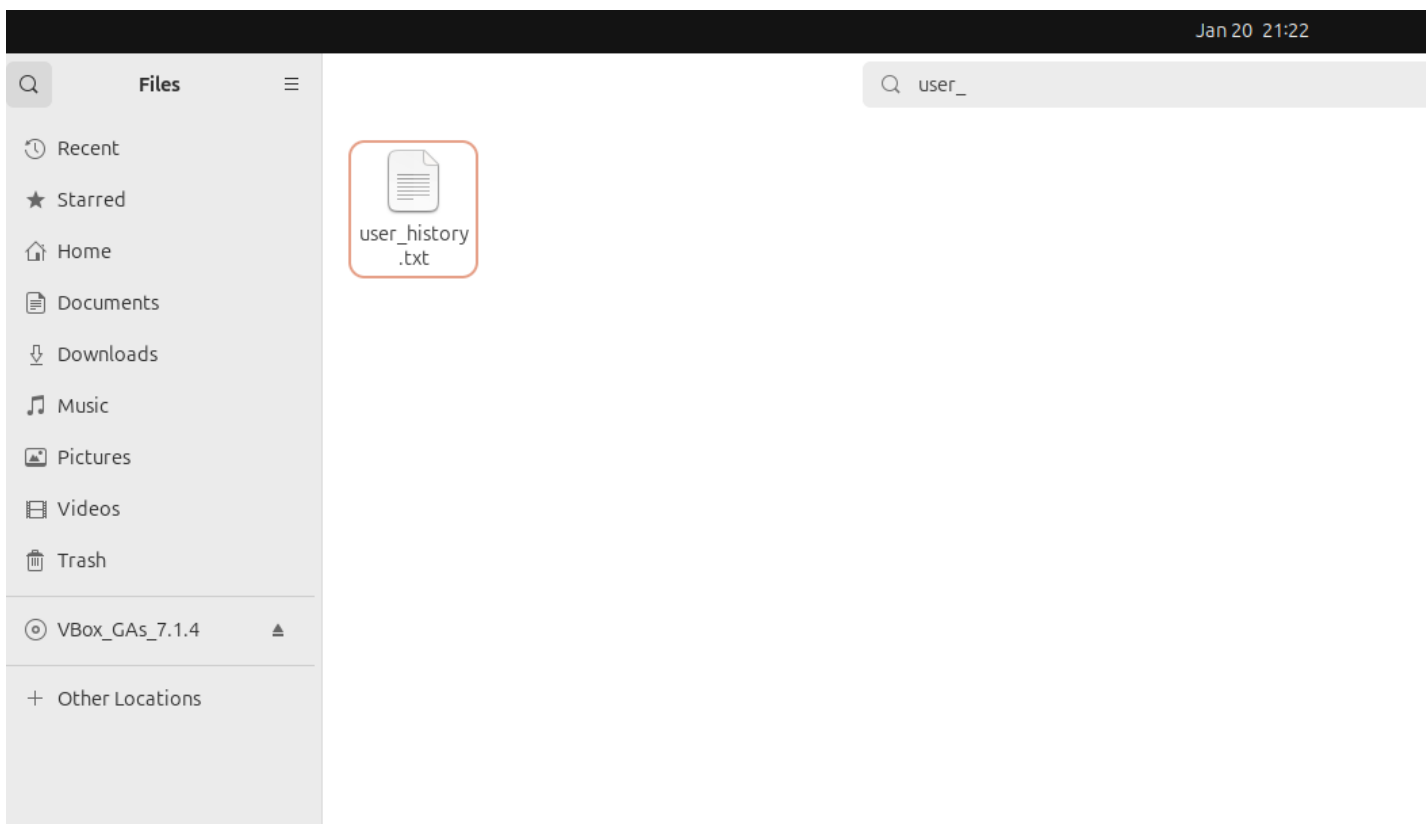
This shows Label Studio running in a web browser.

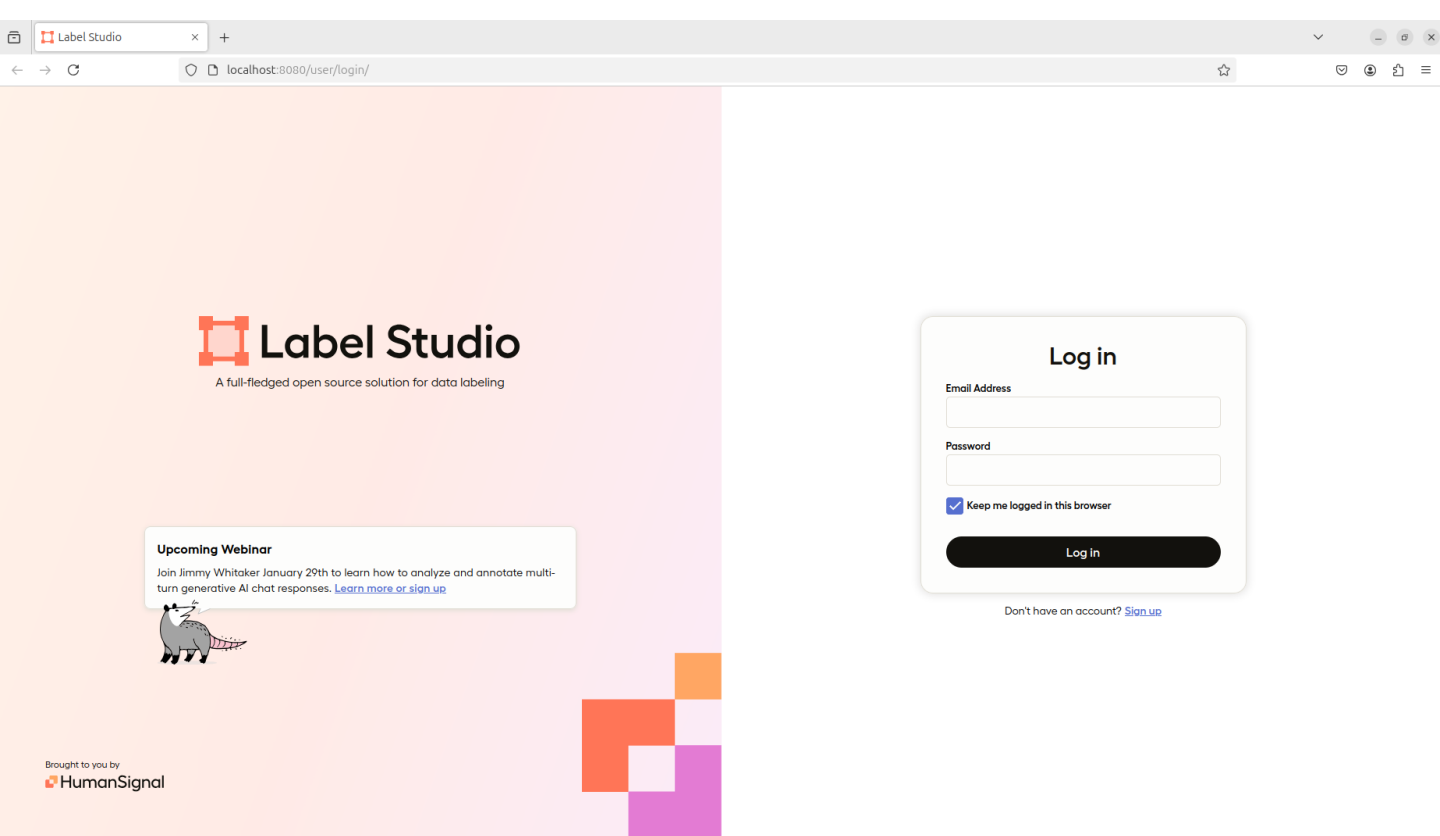
•Execute “history > user_history.txt.” Upload user_history.txt file on Git Hub.

A terminal window with a dark background. The prompt is 'vansh@vansh:~\$'. The command 'history > user_history.txt' has been entered and executed. The prompt is now 'vansh@vansh:~\$' with a cursor. A small icon with a plus sign is visible in the top left corner of the terminal window.

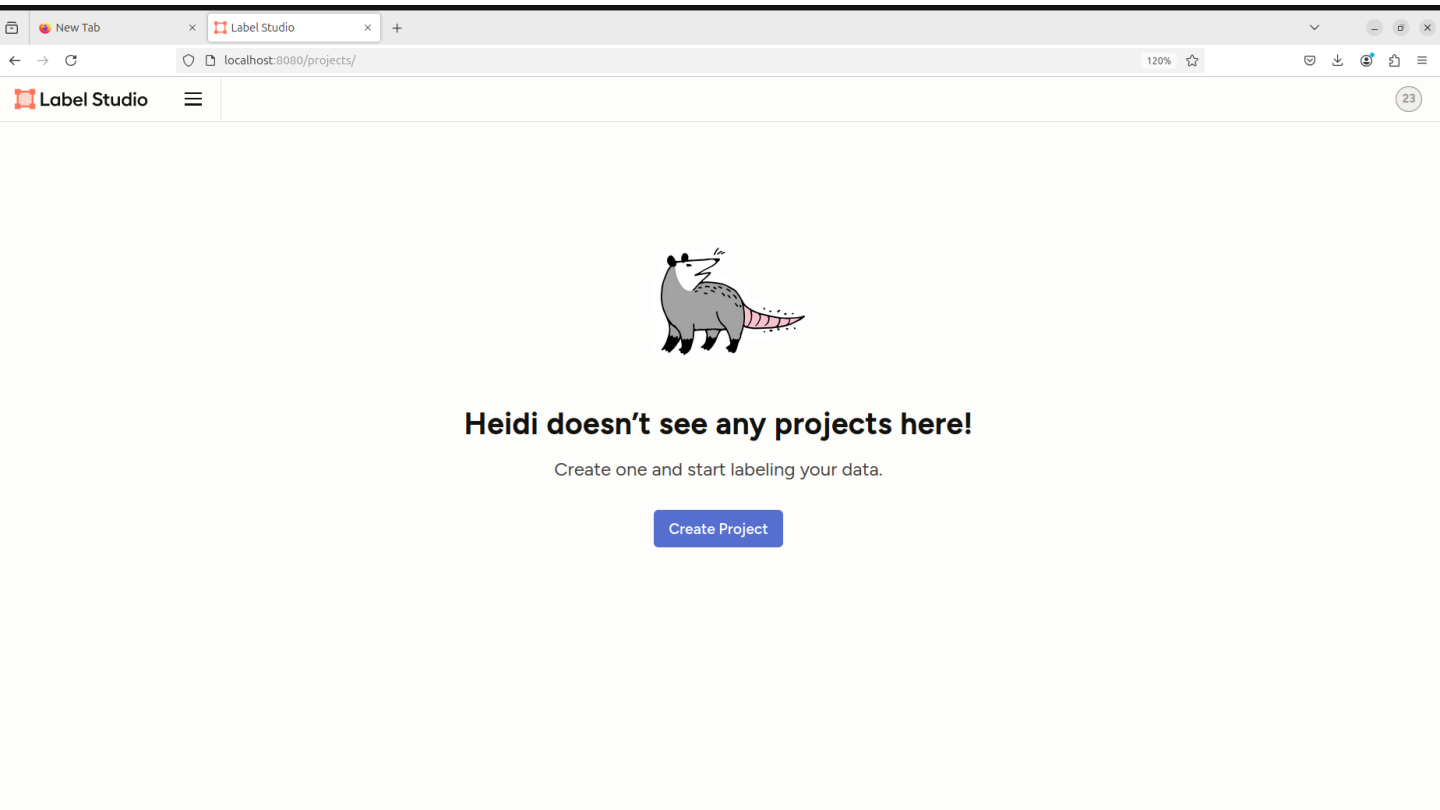
```
vansh@vansh:~$ history > user_history.txt
vansh@vansh:~$
```

This saves the current session's command history to a file named 'user_history.txt'. It is in our GitHub Repository





This shows Label Studio running in a web browser and now we login



Task 2: Annotating a Dataset Using Label Studio

We are in group 31 so we need data points from 600 to 619 so we need to remove the data points we don't need so we do that using python

```
Open  ▾  FilterData.py  
~/Desktop/Assignment3  
  
import pandas as pd  
  
file_path = "/home/vansh/Desktop/Assignment3/NLP.csv"  
  
df = pd.read_csv(file_path)  
  
filtered_df = df.iloc[600:620]  
  
filtered_df.to_csv(file_path, index=False)  
  
print("Data points from 600 to 619 are saved.")
```

```
vansh@vansh: ~/Desktop/Assignment3  
  
vansh@vansh:~/Desktop/Assignment3$ python3 FilterData.py  
Data points from 600 to 619 are saved.  
vansh@vansh:~/Desktop/Assignment3$
```

Import NLP Dataset

Create Project

Project Name

Data Import

Labeling Setup

Delete

Save

Project Name

NLP Annotation

Description

Optional description of your project

Workspace

Enterprise

Select an option

Simplify project management by organizing projects into workspaces. [Learn more](#)

This shows the creation of a new project for annotating NLP data

Import Data

Cancel

Import

Dataset URL

Add URL

 or

Upload More Files

Treat CSV/TSV as

List of tasks

Time Series or Whole Text File

1 files uploaded

upload/1/0e86b882-NLP.csv

Importing nlp data

Default

Tasks: 20 / 20

Annotations: 0

Predictions: 0

Actions

Columns

Filters

Order

not set

Label All Tasks

Import

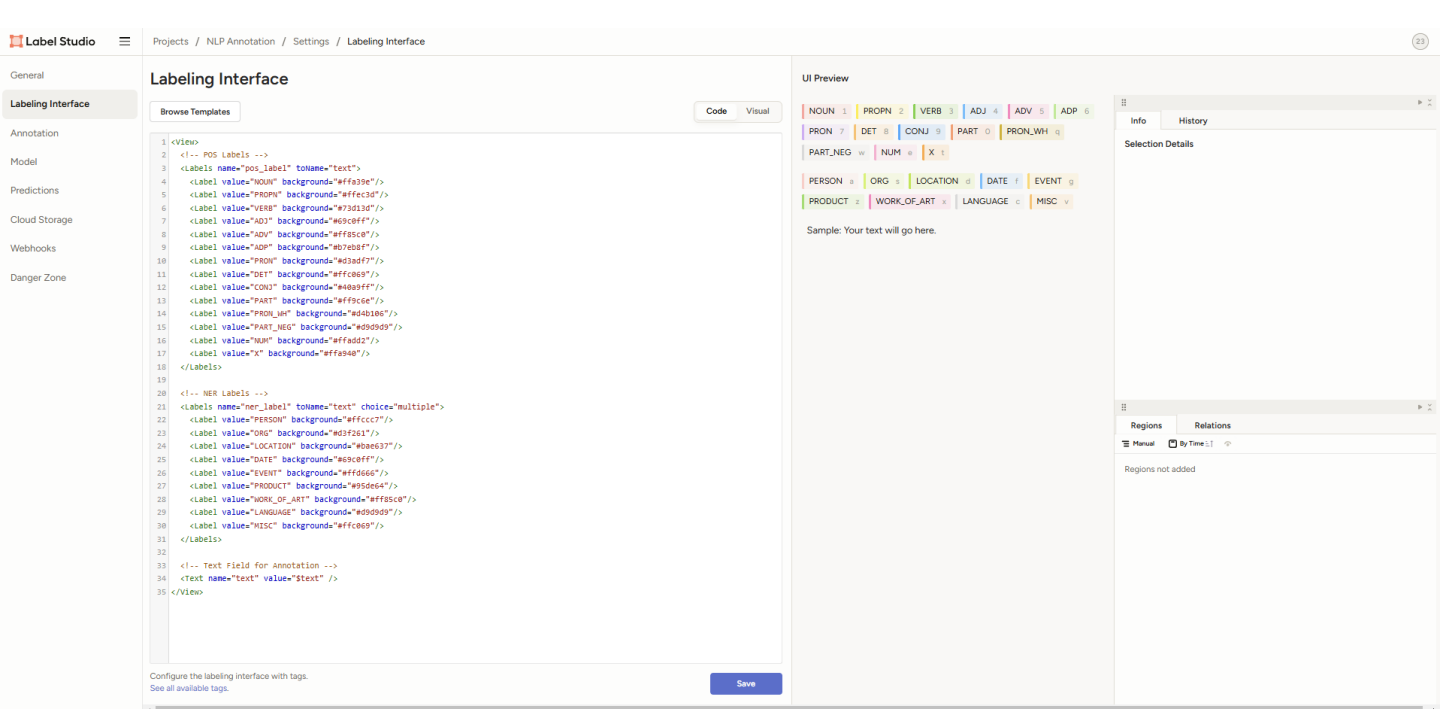
Export

List

Grid

<input type="checkbox"/>	ID	<div>?</div> Completed	<div>?</div>	<div></div>	<div></div>	<div>+</div>	Annotated by	<div>?</div>	text	<div>str</div>	
<input type="checkbox"/>	1		0	0	0				Revanth Reddy Telangana CM Oath: तेलंगाना में कांग्रेस की 6 guarantee पर रविवर रेड्डी की	<div></div>	
<input type="checkbox"/>	2		0	0	0				BJP PARLIAMENTARY MEETING: दिल्ली में BJP संसदीय दल की बैठक BJP	<div></div>	
<input type="checkbox"/>	3		0	0	0				Sharmistha Mukherjee Book: क्या राष्ट्र में congress को दोबारा से खड़ा करने की योग्यता	<div></div>	
<input type="checkbox"/>	4		0	0	0				Revanth Reddy Oath Ceremony: रविवर रेड्डी आज telangana के Chief Minister	<div></div>	
<input type="checkbox"/>	5		0	0	0				India Alliance Meeting Cancel : I.N.D.I.A की बैठक टली, अब दिसंबर के तीसरे हफ्ते में	<div></div>	
<input type="checkbox"/>	6		0	0	0				Rajasthan CM पर BJP में मुठ्ठी का शक्ति प्रदर्शन, Vasundhara Raje से 30 विधायक मिले	<div></div>	
<input type="checkbox"/>	7		0	0	0				MP Election Result 2023 : BJP को दो तिहाई से ज्यादा बहुमत, CM शिवराज सिंह बोले- MP के	<div></div>	
<input type="checkbox"/>	8		0	0	0				दैनिक भास्कर का प्रेरणा उद्भव: भोपाल में वैदिक समूह के संस्थापक-चेयरमैन अनिल अग्रवाल	<div></div>	
<input type="checkbox"/>	9		0	0	0				Uttarkashi Tunnel Rescue: Lucknow पहुंचे UP के मजदूर:	<div></div>	

Data imported



Adding POS tagging and NER functionality in the Label Setup

Default

+

Tasks: 20 / 20

Annotations: 20

Predictions: 0

Actions

Columns

Filters

Order

not set

Label All Tasks

↺

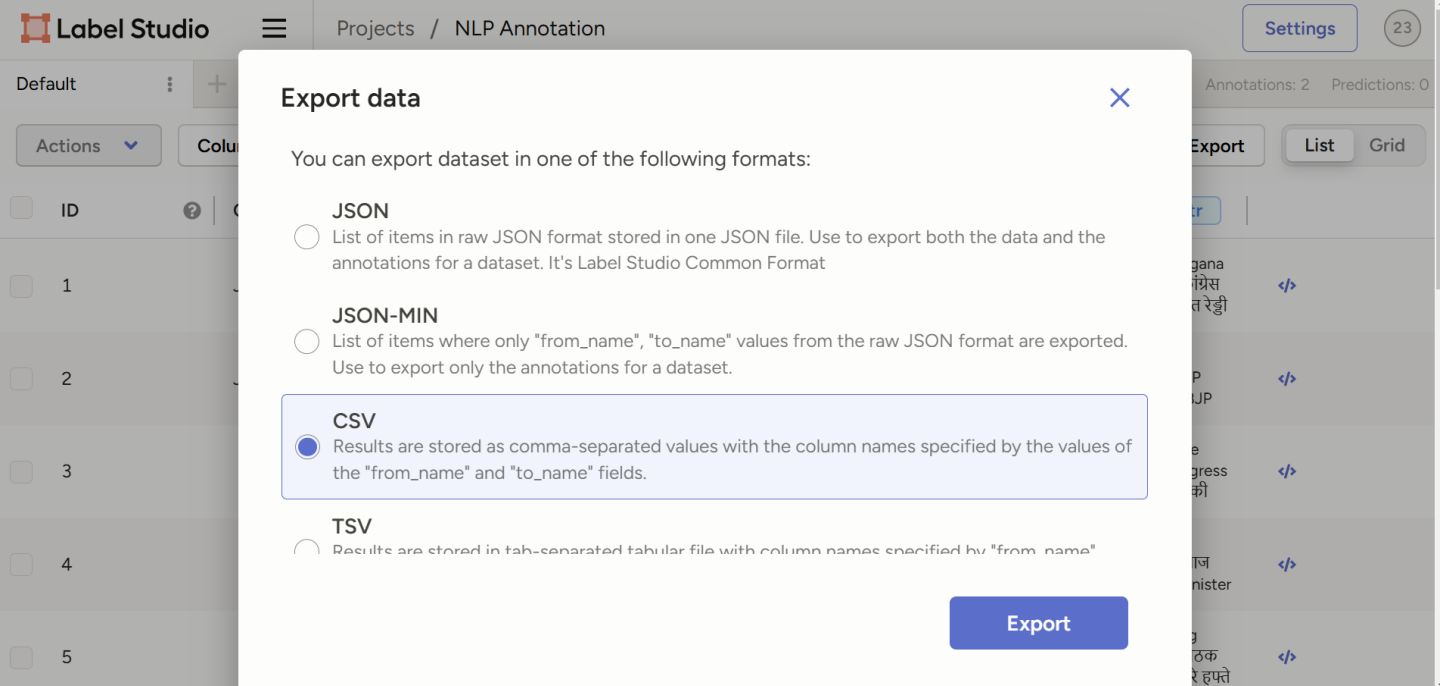
Import

Export

List

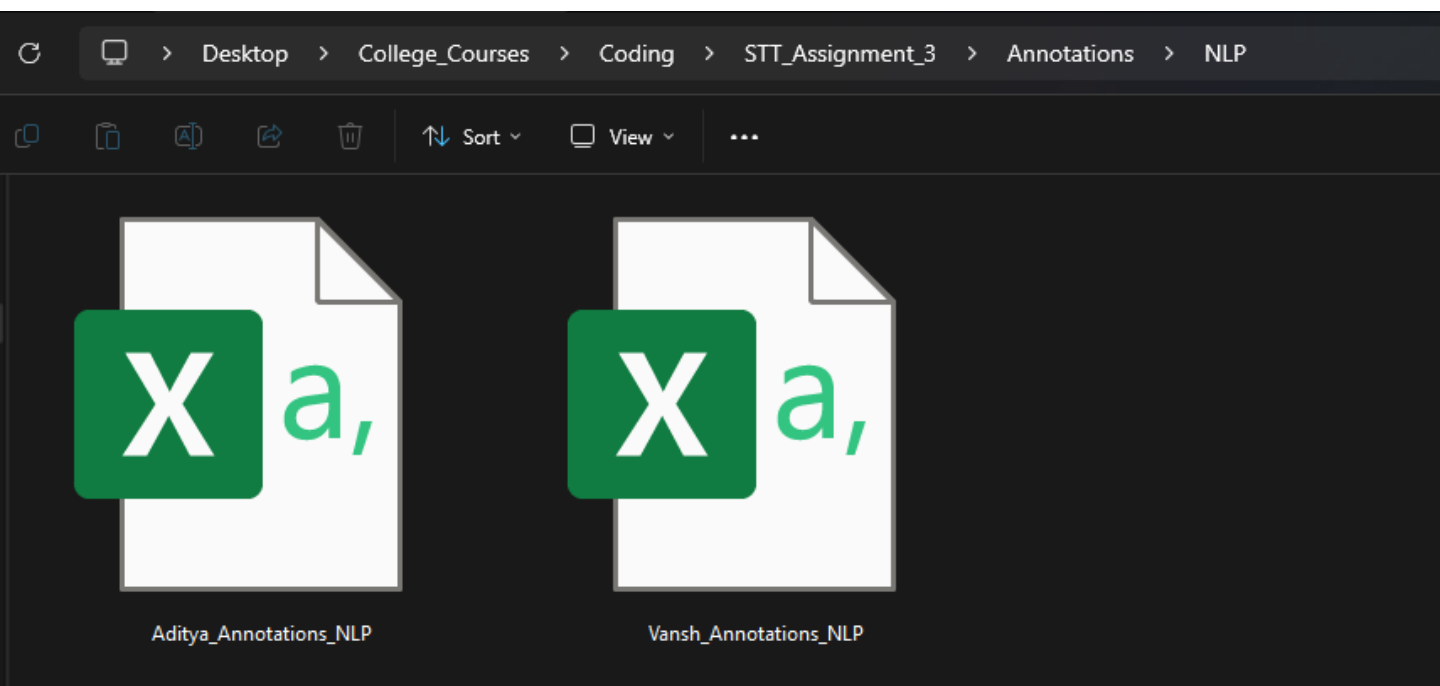
Grid

ID	Completed					Annotated by	text
1	Jan 20 2025, 22:32:19	1	0	0	23		Revanth Reddy Telangana CM Oath: తెలంగాణా में कांग्रेस की 6 guarantee पर खेवं रेड्डी की
2	Jan 20 2025, 22:32:19	1	0	0	23		BJP PARLIAMENTARY MEETING: दिल्ली में BJP संसदीय दल की बैठक BJP
3	Jan 20 2025, 22:32:20	1	0	0	23		Sharmistha Mukherjee Book: क्या राहुल में congress को दोबारा से खड़ा करने की योग्यता
4	Jan 20 2025, 22:32:21	1	0	0	23		Revanth Reddy Oath Ceremony: खेवं रेड्डी आज telangana के Chief Minister
5	Jan 20 2025, 22:32:22	1	0	0	23		India Alliance Meeting Cancel: I.N.D.I.A की बैठक टली, अब दिसंबर के तीसरे हफ्ते में
6	Jan 20 2025, 22:32:23	1	0	0	23		Rajasthan CM पर BJP में गुर्गे का खल्लि प्रदर्शन, Vasundhara Raje से 30 धियायक मिले
7	Jan 20 2025, 22:32:23	1	0	0	23		MP Election Result 2023 : BJP को दो विहाई से ज्यादा बहुमत, CM शिवराज सिंह बोले- MP के
8	Jan 20 2025, 22:32:24	1	0	0	23		दैनिक भास्कर का प्रेरणा उत्सव: भोपाल में वेदांता समूह के संस्थापक-चेयरमैन अनिल अग्रवाल
9	Jan 20 2025, 22:32:25	1	0	0	23		Uttarkashi Tunnel Rescue: Lucknow पहुंचे UP के मजदूर: CM योगी से मुलाकात, घर के लिए



Exporting the annotations in the CSV File

Exporting Annotations to CSV



Now the annotations were done by both the teammates and they are saved in .Annotations/NLP Folder

The screenshot of annotations is not possible to show since each CSV line is too long. Please check the files.

Label Studio									
Projects / NLP Annotation 2									
Tasks: 20 / 20 Annotations: 0 Predictions: 0									
<div> <div>Actions</div> <div>Columns</div> <div>Filters</div> <div>Order</div> <div>not set</div> <div>Label All Tasks</div> <div>Import</div> <div>Export</div> <div>List</div> <div>Grid</div> </div>									
ID	Completed				Annotated by	data			
21		0	0	0		/data/upload/3/bd3a4129-img_600.jpg			
22		0	0	0		/data/upload/3/1e2a1258-img_601.jpg			
23		0	0	0		/data/upload/3/67a3d2f0-img_602.jpg			
24		0	0	0		/data/upload/3/03450070-img_603.jpg			
25		0	0	0		/data/upload/3/24fd1845-img_604.jpg			
26		0	0	0		/data/upload/3/7b6b6c55-img_605.jpg			
27		0	0	0		/data/upload/3/5cc05012-img_606.jpg			
28		0	0	0		/data/upload/3/6882ea04-img_607.jpg			
29		0	0	0		/data/upload/3/2e669890-img_608.jpg			

Now similarly importing the CV dataset of 20 images from img_600.jpg to img_619.jpg

Label Studio

Projects / NLP Annotation 2 / Labeling

Settings

23

image

img

III

0

0

0

0

0

0

0

0

0

0

#21

23110351

#RYHCl

seconds ago

Trucks^[1]

No Trucks^[2]

Submit

Info

History

Selection Details

Regions

Relations

Manual

By Time

Regions not added

Now Annotating the CV dataset by classifying them as Trucks or No Trucks

Label Studio Projects / NLP Annotation 2

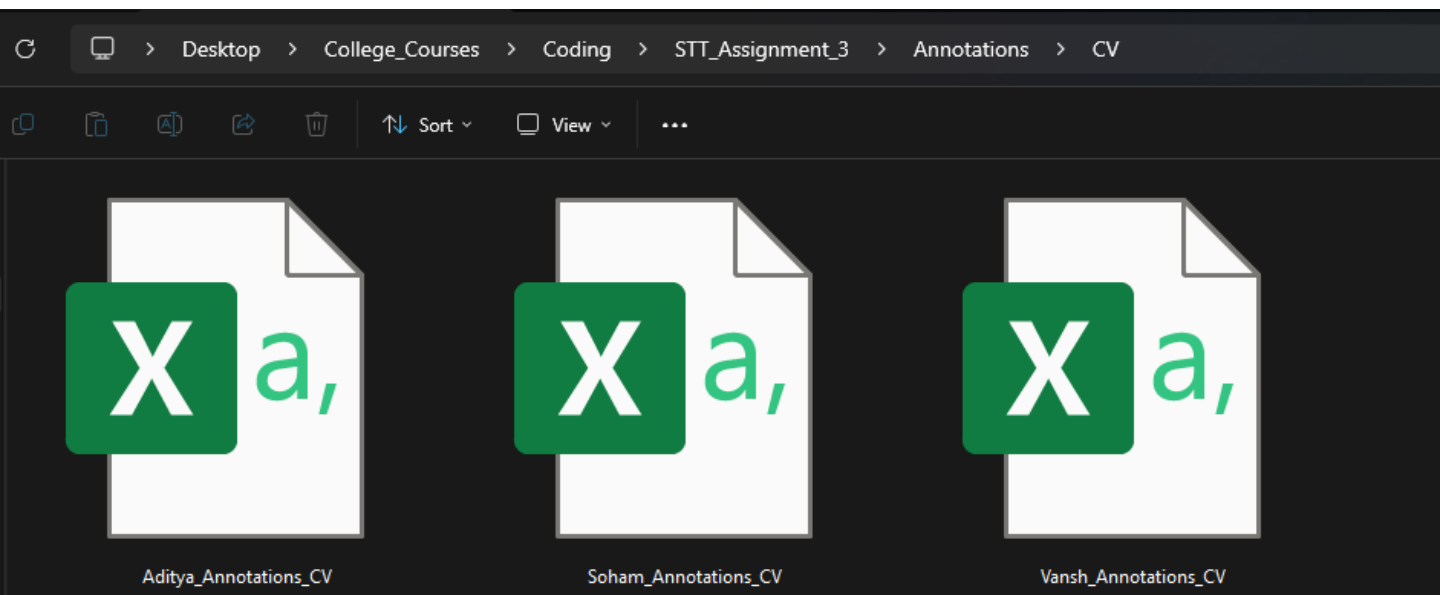
Tasks: 20 / 20 Annotations: 19 Predictions: 0

Actions Columns Filters Order not set Label All Tasks Import Export List Grid

ID	Completed				Annotated by	image	img
21	Jan 23 2025, 09:43:35	1	0	0	23		↗
22	Jan 23 2025, 09:43:41	1	0	0	23		↗
23	Jan 23 2025, 09:43:45	1	0	0	23		↗
24	Jan 23 2025, 09:43:50	1	0	0	23		↗
25	Jan 23 2025, 09:43:54	1	0	0	23		↗
26	Jan 23 2025, 09:43:59	1	0	0	23		↗
27	Jan 23 2025, 09:44:05	1	0	0	23		↗
28	Jan 23 2025, 09:44:08	1	0	0	23		↗
29	Jan 23 2025, 09:44:11	1	0	0	23		↗

CV Annotations done

Exporting Annotations to CSV



Now the annotations were done by both the teammates and another student from another team and files are saved in .Annotations/CV Folder

The screenshot of annotations is not possible to show since each CSV line is too long. Please check the files.

Task 3: Implementing Inter-Annotator Agreement

Please check Task_3.ipynb Jupyter file for Task 3

Thank You

CS203 Lab Assignment 3

Team 31

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