

Project Development Phase

Sprint - 1

Date	29 October 2022
Team ID	PNT2022TMID35818
Project Name	A Gesture - Based Tool for Sterile Browsing of Radiology Images
Marks	4 Marks

IBM Watson Studio:

The screenshot displays the IBM Watson Studio interface. The top navigation bar includes the IBM Watson Studio logo, a search bar, and user account information (Nalinkumar S's Account, Frankfurt). The main workspace shows a Jupyter notebook titled "A Gesture-based Tool for Sterile ... / Sprint_1". The notebook contains three code cells:

```
In [1]: import os, types
import pandas as pd
from boto3.client import Config
import boto3

def __iter__(self): return 0

# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove those credentials before you share the notebook.
cos_client = boto3.client(service_name='s3',
                          iam_api_key_id='2-1GVZzFg_1Nypm3HC1FxjH8D0LxLUMVSSCYXuek-ouj',
                          iam_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
                          config=Config(signature_version='oauth'),
                          endpoint_url='https://s3.private.eu.cloud-object-storage.appdomain.cloud')

bucket = 'agebasedtoolforsterilebrowsi-donotdelete-pr-bnlncqb2k7om'
object_key = 'dataset.zip'

streaming_body_3 = cos_client.get_object(Bucket=bucket, Key=object_key)['Body']

# Your data file was loaded into a boto3.response.StreamingBody object.
# Please read the documentation of boto3 and pandas to learn more about the possibilities to load the data.
# boto3 documentation: https://boto3.amazonaws.com/v1/documentation/api/latest/guide/quickstart.html#python
# pandas documentation: http://pandas.pydata.org/

In [2]: from io import BytesIO
import zipfile
unzip=zipfile.ZipFile(BytesIO(streaming_body_3.read()),'r')
file_paths=unzip.namelist()
for path in file_paths:
    unzip.extract(path)

In [3]: ls

dataset/
```

The right sidebar shows the "Data" panel with a list of files: dataset.zip, test.zip, and train.zip. Each file has an "Insert to code" button.

Link: https://eu-de.dataplatform.cloud.ibm.com/analytics/notebooks/v2/d149459d-0458-4e1d-8f52-14ca98b01fed/view?access_token=53480ae69f9a284a95e00291cde6c84220f256aabddafb9278b129e8914b93f8