

Comprehensive Code Snippets for Streeter Creative Strategies Projects

A Complete Collection of Code Implementations Across Various Projects

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Curator Project

Initial Setup for 'The Curator' Project

Instructions for setting up the directory structure and environment for the Curator project.

Creating the directory structure for the Curator project

```
mkdir -p C:/Users/User/1-PROTOTYPE/Curator/archive1
```

```
conda create --name curator_env python=3.12
```

```
conda activate curator_env
```

Detecting Files and Creating PowerPoint Presentations

Python script to detect files in a folder and create or append them to a PowerPoint presentation.

```
import os

from pptx import Presentation

# Define directory and initialize PowerPoint
directory = r'C:/Users/User/1-PROTOTYPE/Curator/archive1'

ppt_file = os.path.join(directory, 'Curator_Presentation.pptx')

if not os.path.exists(ppt_file):

    prs = Presentation()

else:

    prs = Presentation(ppt_file)

# Detect files and add them to PowerPoint
for filename in os.listdir(directory):

    if filename.endswith(('png', 'jpg', 'jpeg')):

        slide_layout = prs.slide_layouts[5]

        slide = prs.slides.add_slide(slide_layout)

        img_path = os.path.join(directory, filename)

        slide.shapes.add_picture(img_path, 0, 0)

    prs.save(ppt_file)
```

Renaming Files with Prefixes

Code to rename files with a numeric prefix corresponding to the order they are added.

```
import os

# Directory to rename files
directory = r'C:/Users/User/1-PROTOTYPE/Curator/archive1'

files = os.listdir(directory)

# Rename files with prefixes
for idx, filename in enumerate(sorted(files), 1):

    new_name = f'{idx}-{filename}'

    os.rename(os.path.join(directory, filename), os.path.join(directory, new_name))
```

Creating Bibliography Text File

Script to generate a bibliography text file from the processed files.

```
import os

directory = r'C:/Users/User/1-PROTOTYPE/Curator/archive1'

bibliography_path = os.path.join(directory, 'bibliography.txt')

with open(bibliography_path, 'w') as bibliography:

    for filename in os.listdir(directory):

        if filename.endswith(('png', 'jpg', 'jpeg', 'pptx')):

            bibliography.write(f'{filename}

            ')
```

Integrating GigaPixel Upscaler

Instructions for integrating the GigaPixel upscaler with the Curator script for upscaling images.

Example command to upscale images using GigaPixel from the command line

Adjust path to match the actual location of the GigaPixel executable

```
gigapixel_ai --input-dir "C:/Users/User/1-PROTOTYPE/Curator/archive1" --output-dir "C:/Users/User/1-PROTOTYPE/Curator/upscaled" --scale 4
```

AutoML Sort and Indexing Feature

Python script concept for indexing files based on filenames and using image analysis.

```
import os

import re

# Directory to process

directory = r'C:/Users/User/1-PROTOTYPE/Curator/archive1'

def auto_sort_index():

    files = os.listdir(directory)

    sorted_files = sorted(files, key=lambda x: re.findall(r'\d+', x)[0] if re.findall(r'\d+', x) else x)

    for idx, filename in enumerate(sorted_files, 1):

        new_name = f'{idx}-{filename}'

        os.rename(os.path.join(directory, filename), os.path.join(directory, new_name))

    auto_sort_index()
```

PR Verify Project

Elasticsearch Installation and Setup

Command to extract and set up Elasticsearch.

Command to extract and set up Elasticsearch

```
cd C:/Users/User/1-PRVERIFY
```

```
tar -xzf elasticsearch-8.15.0.tar.gz
```

```
cd elasticsearch-8.15.0
```

```
./bin/elasticsearch
```

Configuring Elasticsearch for Data Analysis

Sample command to configure Elasticsearch for data indexing.

Sample command to configure Elasticsearch for data indexing

```
curl -X PUT "localhost:9200/prverify_index" -H 'Content-Type: application/json' -d'
```

```
{
```

```
"settings": {
```

```
"index": {
```

```
"number_of_shards": 1,
```

```
"number_of_replicas": 0
```

```
}
```

```
}
```

```
}
```

```
,
```

Integrating PR Verify with Elastic.co

Code snippets for integrating PR Verify tool with Elastic.co for enhanced search functionality.

```
from elasticsearch import Elasticsearch
```

```
# Connect to the Elasticsearch instance
```

```
es = Elasticsearch("http://localhost:9200")
```

```
# Index a document
```

```
doc = {
```

```
"title": "PR Verify Document",
```

```
"content": "Sample content for PR Verify."
```

```
}
```

```
res = es.index(index="prverify_index", id=1, body=doc)
```

```
print(res['result'])
```

Querying and Displaying Data in PR Verify

Python code for querying data from Elasticsearch and displaying the results.

```
from elasticsearch import Elasticsearch
```

```
# Connect to Elasticsearch and query data
```

```
es = Elasticsearch("http://localhost:9200")
```

```
# Simple query to retrieve data
```

```
query = {
```

```
"query": {
```

```
"match": {
```

```
"content": "sample"
```

```
}
```

```
}
```

```
}
```

```
res = es.search(index="prverify_index", body=query)
```

```
for hit in res['hits']['hits']:
```

```
print(f"Title: {hit['_source']['title']}, Content: {hit['_source']['content']}")
```

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