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# code for generating images with categories and subjectives
import csv
import requests
import os

total_number_generated = 0
save_path = "/Users/wenxuan/Desktop/ContextGeneratorDalle2"

with open('/Users/wenxuan/Desktop/ContextGeneratorDalle2/
context_number.csv', newline='') as csvfile:
    spamreader = csv.reader(csvfile, delimiter=',', quotechar='"')
    for row in spamreader:
        print(', '.join(row))

        # row[even] = category (from 0) & adjectives, row[odd] =
number id (from 1)
        for i in range(1,5): # 5 adjectives
            num_image_generate = 4

            for k in range(0, 2): # 2 artstyle
                generations =
dalle.generate_amount(row[0].replace("\'", "'")+ " " +
row[2].replace("\'", "'")+ " " + row[2 + i*2].replace("\'", "'")+ " " +
row[14 + k *2] + " "+ "Texture", num_image_generate)
                total_number_generated = total_number_generated +1
                print("Total number generated " +
str(total_number_generated))
                # save image in url
                for j in range(0,num_image_generate):
                    try:
                        image_url = generations[0][j]['generation']
['image_path']
                        img_data = requests.get(image_url).content

                        save_path = "/Users/wenxuan/Desktop/
ContextGeneratorDalle2/" +row[0] +"/"+ row[2] +"/"+ row[2 + i*2] +"/"
+ row[14 + k *2] +"/"
                        print(save_path)
                        try:
                            os.makedirs(save_path, exist_ok = True)
                        except OSError as error:
                            print(error)

                            name_of_file = row[1].replace("\'", "'") +'_'+
row[3].replace("\'", "'") + "_" +row[3 + i*2].replace("\'", "'")+ "_"
row[15 + k *2] + "_" +str(j+1)+'.jpg'
                            completeName = os.path.join(save_path,
name_of_file)
                            with open(completeName, 'wb') as handler:

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        handler.write(img_data)
except:
    print("Error!!!")
    pass
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