**Context Generation Steps:**

**Preparation / Excel Formation:**

1. Create context categories.
2. Create sub-categories and adjectives for each category.
3. Select artistic styles to apply to each category.
4. Create a numbering system for categories, sub-categories, adjectives, and art styles, giving each a unique identifier.
5. Structure the data in excel to contain a row for each category/sub-category, creating individual combinations that are the basis for the Python loops.
6. Use excel formulas (V-Lookups) on the structured data to grab each categories corresponding ID and place it in a column next to the category name. This will allow the python loops to generate the contexts based on their names, and then save the files based on their corresponding IDs.

**Python / Context Generation:**

1. Convert your excel workbook into a CSV file.
2. Create a Python script.
   1. Import Dalle2, csv, and requests.
   2. Go to <https://github.com/ezzcodeezzlife/dalle2-in-python> and follow the setup directions, which will walk you through how to obtain your Bearer Token. Once obtained, add your bearer key to your Python script, as follows:



* 1. Add a string variable with the directory path of where to save the contexts:



* 1. Next, create a Python method that:
     1. Reads in the converted CSV file,
     2. Loops through the string combinations, generating a Dalle2 image for each string, and saving the strings in the directory specified above.
     3. Note: We save each context with a file name matching the numbering system used in the excel file above. This allows for easy categorization and retrieval of specific contexts.