GEN Use Cases

Find Similar from Group

- **Use Case:** Comparing 1 face/image to a group of images
- **Relates to** GEN → Comparing 1 picture of a Missing Person with a group of images taken from the GEN Dataset
- **Result:** Confidence Levels of how similar the Missing Person is to with each image in the group

Microsoft API Uses:

- Face_detect → Make FaceID for Missing Person
- Face_list.create → Create a group of faces
- Face_list.add → Add all image_urls from GEN dataset to group
- Face.find_similars → Comparing Missing Person to all images in group
- Currently working with small scale → can also be done on large scale/dataset
- Will hopefully lead to being able to correlate Missing Persons datasets with GEN data and find matches of Missing Persons with faces from scraped data

Grouping

- **Use Case:** Grouping similar faces together from a large group of images
- **Relates to GEN** → Groups similar faces together, for example if someone has posted the same girl with different photos, can keep owtrack that it is same person
- **Result:** Groups of Images that look similar to each other, + a MessyGroup which has no similarities (essentially the leftovers)

Microsoft API Uses:

- Face.detect → Make FaceID for each image in group
- Face.group → Makes groups with similar faces
- Currently working with small scale → can also be done on large scale/dataset
- Will hopefully lead to being able to apply this on whole dataset and be able to group together all the similar faces