Augmentation System Project Documentation

**Tkinter** was used to create a GUI to select a folder of images that will be augmented into a new folder with the same name, but ending in \_aug.

In **config.ini** augmentation details can be specified. Available configuration keys are:

* **Blur** ex. 5
* **Brightness** ex. 30
* **Contrast** ex. 1.2
* **Gamma** ex. 2.0
* **Scale** ex. 0.6
* **Rotation** ex. 0-clockwise, 1-180 degrees, 2-counterclockwise
* **Padding** ex. 100(px)
* **Shear** ex. 10

In the default configuration group are specified configurations that will be applied solo for each image in the set.

Additional, combo configuration groups can be added. For each group an augmented image will be generated using a combination of all specified configuration keys.