Team 2 Team Assignment 2 Process Manual

Process Manual

Our program is aim to separate paper and background, so we can scanning paper or book from picture. Also we separate each file`s images from paper, so user can using it easily. Below are our process manual

help

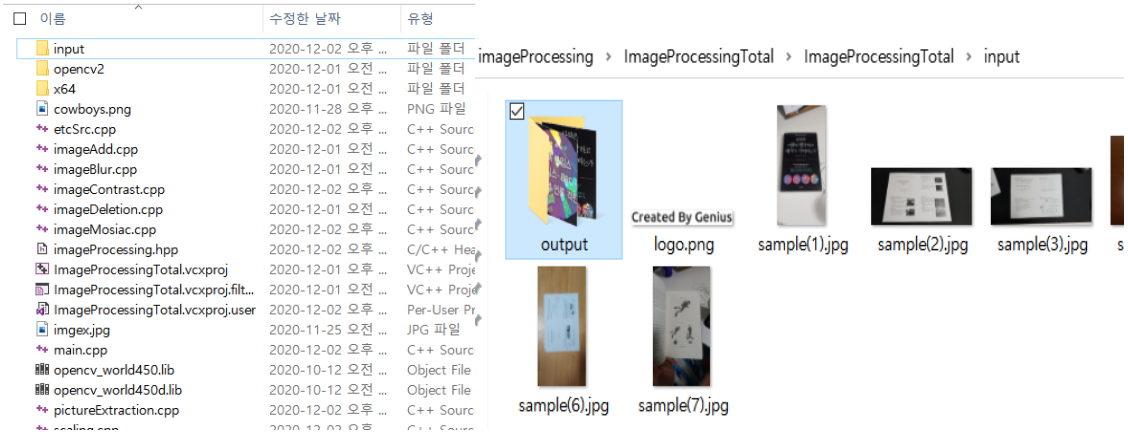
./ImageProcessingTotal.exe -h

You can see how our process works.

Basic Usage

./ImageProcessingTotal.exe ${INPUT_FILE}

You can located input file at input folder and make output folder in input folder.



You need to locate our logo.png in input folder. We will read INPUT_FILE at input folder, and make output image in input/output folder with name tailed “_output”. All output paper image will be added with our logo (like watermark).

Options

We support contrast deletion, mosiac, blurring options for more comfortable using. Belows are options.

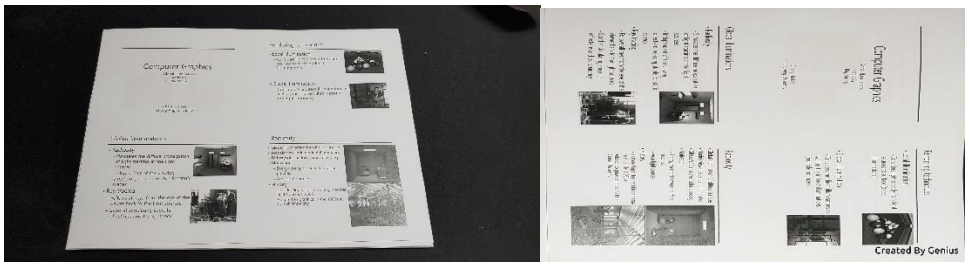
Contrast

./ImageProcessingTotal.exe ${INPUT_FILE} -c ${INT_VALUE}

We support image contrasting with 1 ~ 100 values.

Below are example

./ImageProcessingTotal.exe sample(2).jpg -c 20



Left is original, right is contrasted and Segmented one.

Blur

./ImageProcessingTotal.exe ${INPUT_FILE} -b ${START_X} ${START_Y} ${END_X} ${END_Y} ${INT_VALUE}

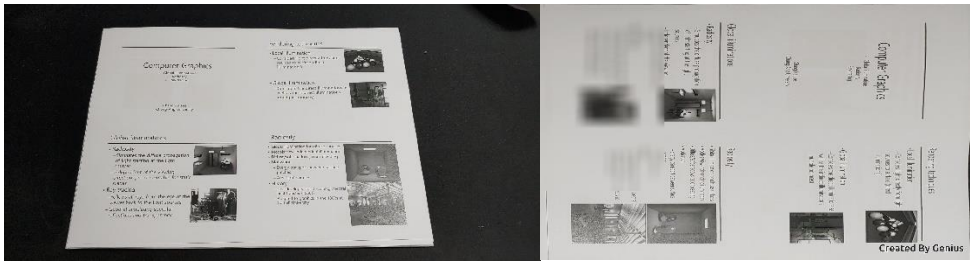
Start X, Start Y : Blurring Starting point x, y.

End X, End Y : Blurring End point x, y.

INT_VALUE : Change sensitivity, 1 ~ 100 value.

Below are example

./ImageProcessingTotal.exe sample(2).jpg -b 20 20 800 1200 40



Mosiac

./ImageProcessingTotal.exe ${INPUT_FILE} -m ${START_X} ${START_Y} ${END_X} ${END_Y} ${INT_VALUE}

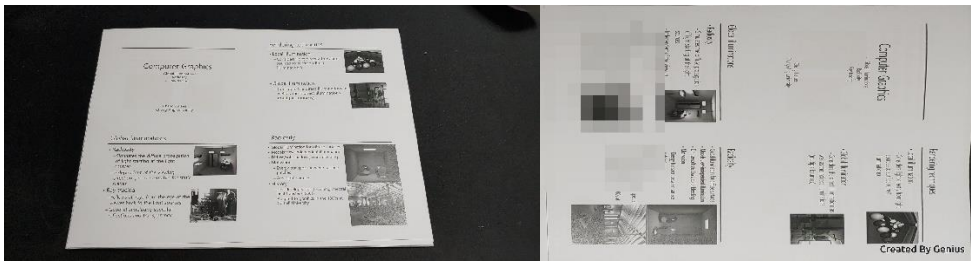
Start X, Start Y : Mosiac Starting point x, y.

End X, End Y : Mosiac End point x, y.

INT_VALUE : Change Window Size, 1 ~ 100 value.

Below are example

./ImageProcessingTotal.exe sample(2).jpg -m 20 20 800 1200 40



Deletion

./ImageProcessingTotal.exe ${INPUT_FILE} -d ${START_X} ${START_Y} ${END_X} ${END_Y} ${BACK_X} ${BACK_Y}

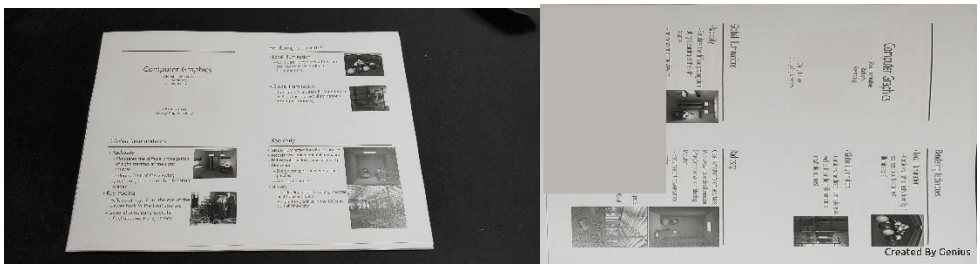
Start X, Start Y : Deletion Starting point x, y.

End X, End Y : Deletion End point x, y.

Back X Back Y : Deletion color x, y

Below are example

./ImageProcessingTotal.exe sample(2).jpg -d 20 20 800 1200 20 20



Also, we can use above option all together.

./ImageProcessingTotal.exe sample(1).jpg -c 60

-d 20 20 400 60 20 20

-b 20 60 400 100 60

-m 20 100 400 140 60