User Guide

I. Sample Image

I have prepared 2 sample images, which are a color image and a grayscale image (changed to 1 channel) in:

- Code/Sources/image_sample.jpg
- Code/Sources/grayscale_sample.jpg

II. Source Code

There are (in Sources folder)

- 5 files .cpp representing for each feature image processing.

```
{
    GrayScale_Image.cpp
    Brightness_Image.cpp
    Contrast_Image.cpp
    FilterAvg_Image.cpp
    FilterGauss_Image.cpp
}
```

- 1 header file contains all definitions

```
{
    Header.h
}
```

- 1 main file which calls all the functions

```
{
    Lab01.cpp
}
```

III. Execution

- Open terminal command line
- Move to the path: <Your_Path>/Code/Release>
- The command line is Lab01.exe <1> <2>
- <1> accepts these following arguments:

```
{
    -rgb2gray
    -brightness
    -contrast
    -avg
    -gauss
}
```

- `<2>` is the file path to image, you can use image path from `I` section.

For example: to execute the program, you can paste this command line

⇒ `Lab01.exe -rgb2gray ../Sources/image_sample.jpg`

IV. Report

Please read `Implementation.pdf` documentation to understand my implementation deeper.