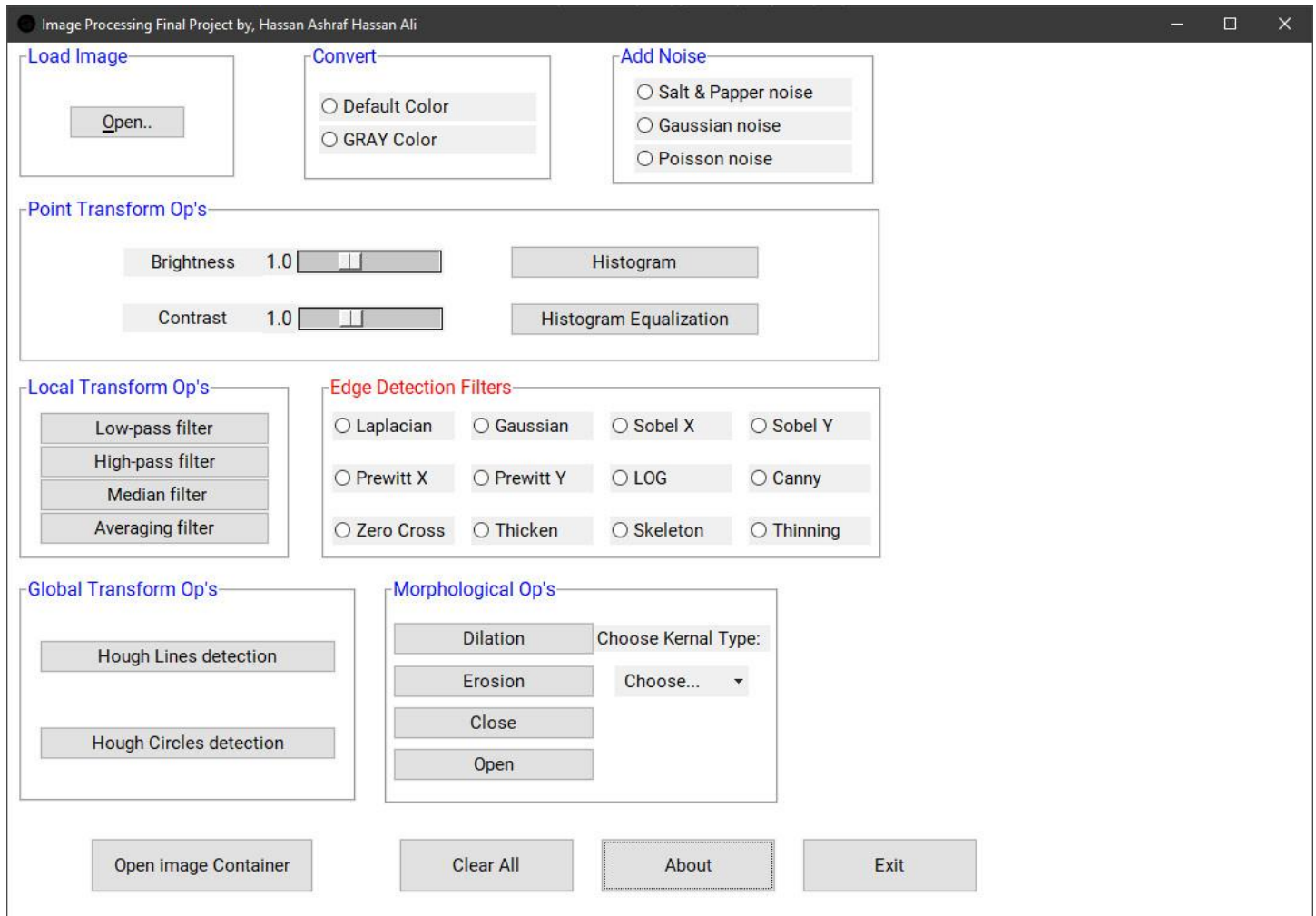
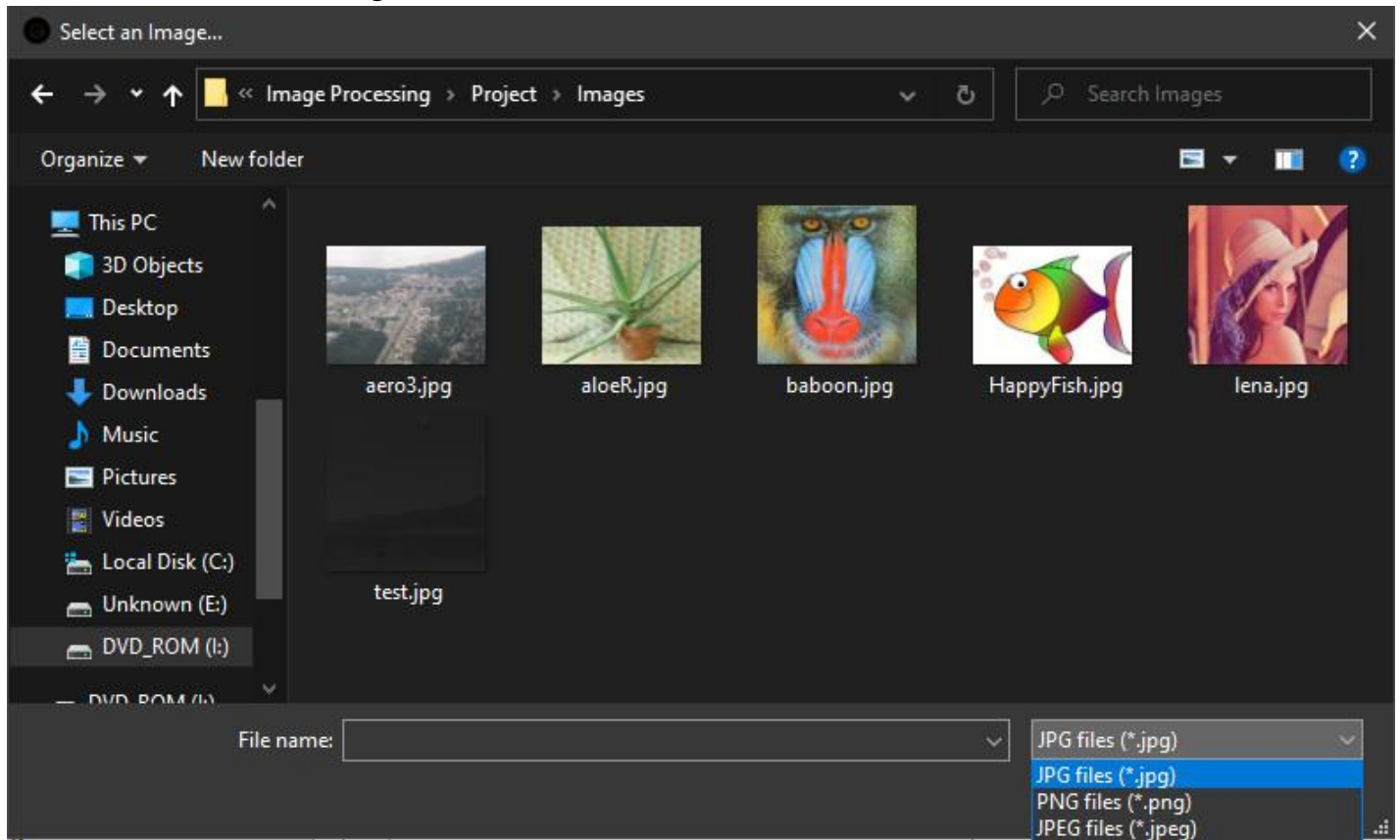


Imagen-v0.1 is all about Image Processing and Pattern Recognition. It is developed as a class assignment using Python-3.7.9 programming language and Tkinter-8.6 and some other libraries.

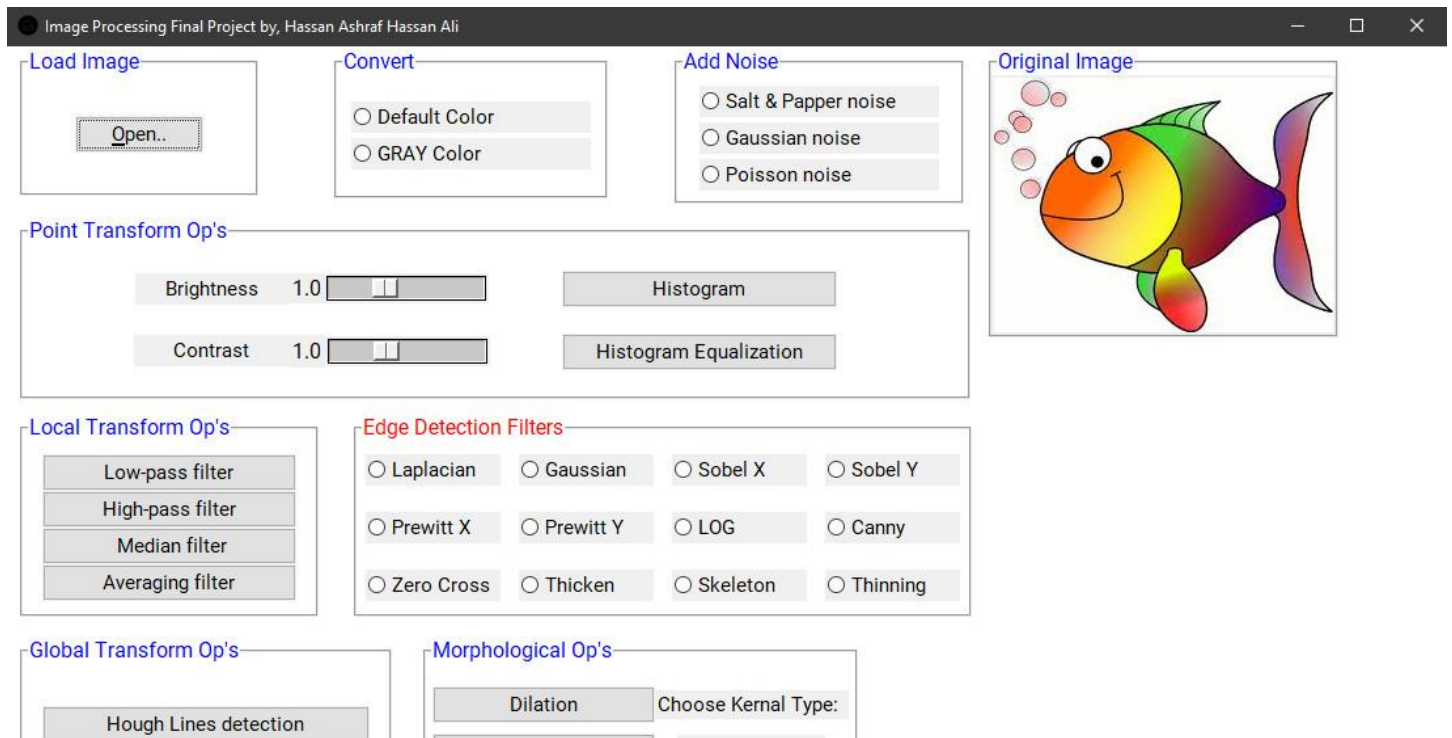
Main Interface:



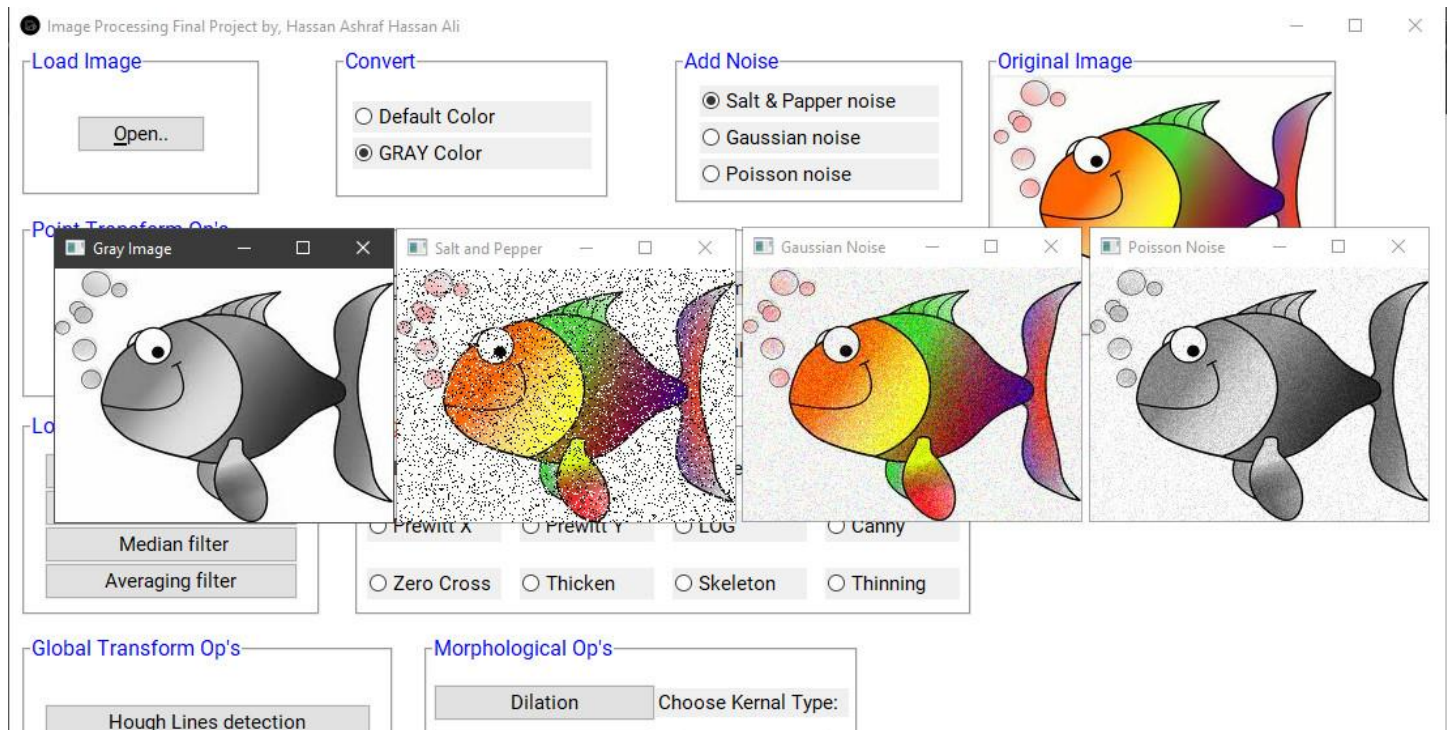
Browse and choose an Image:



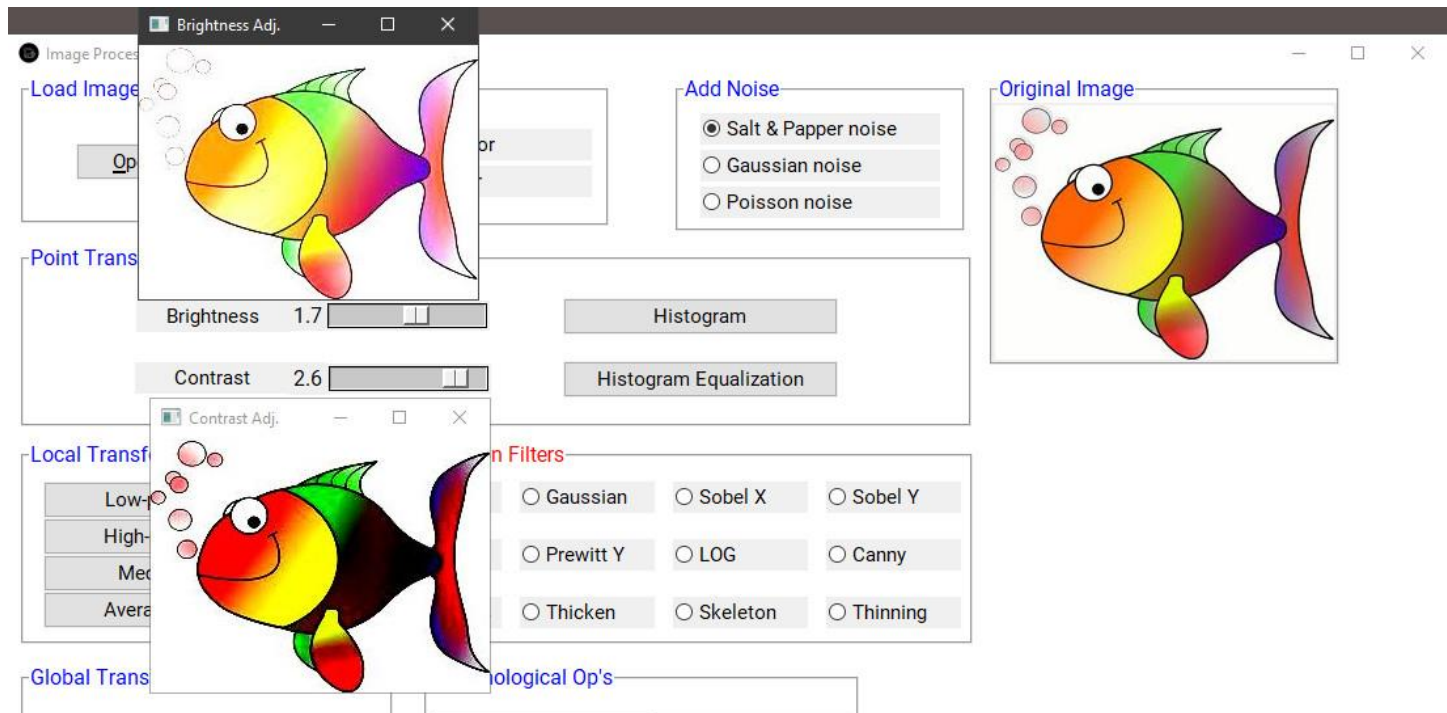
Display chosen image:



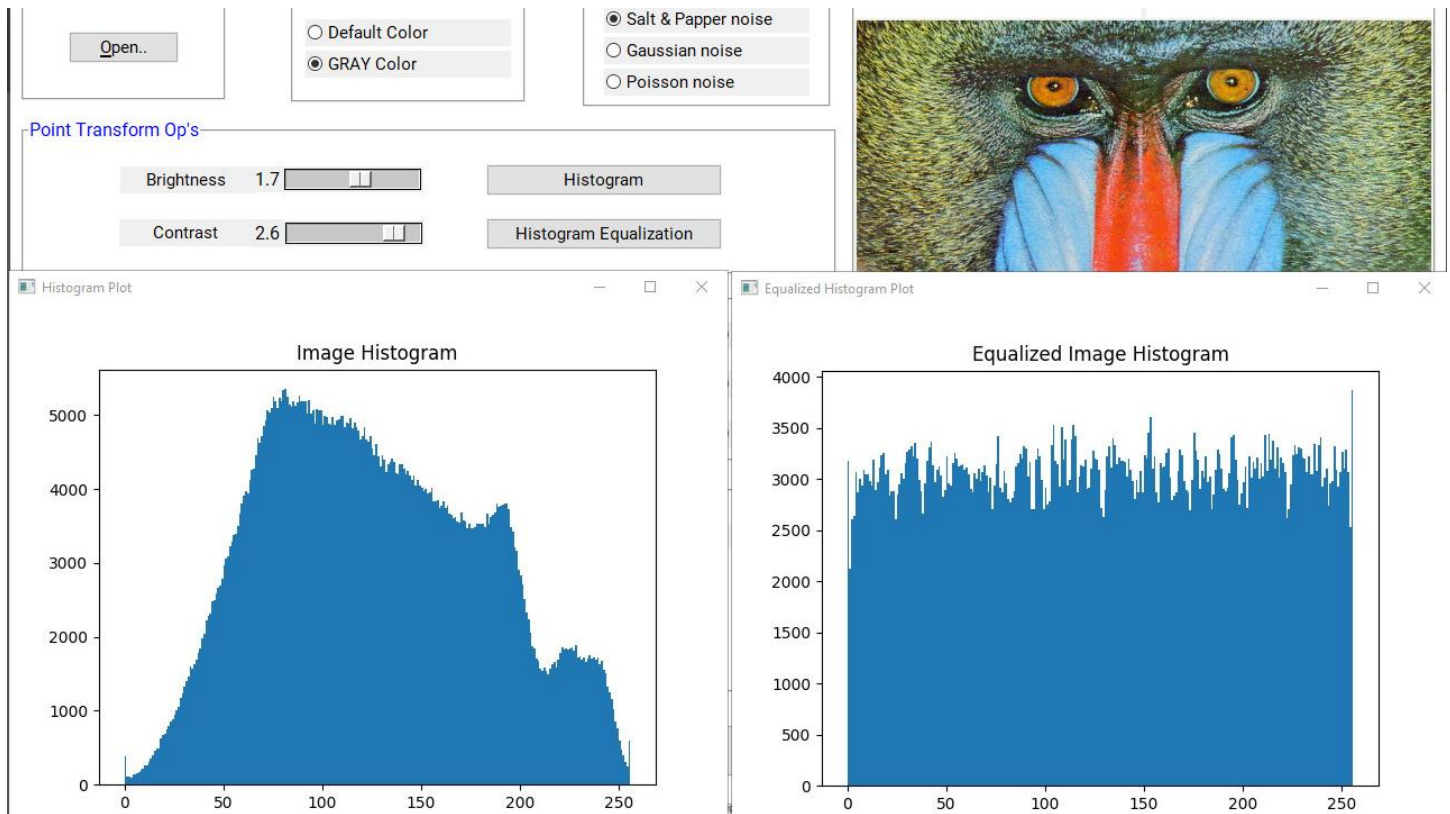
We can convert or apply noises to our image:



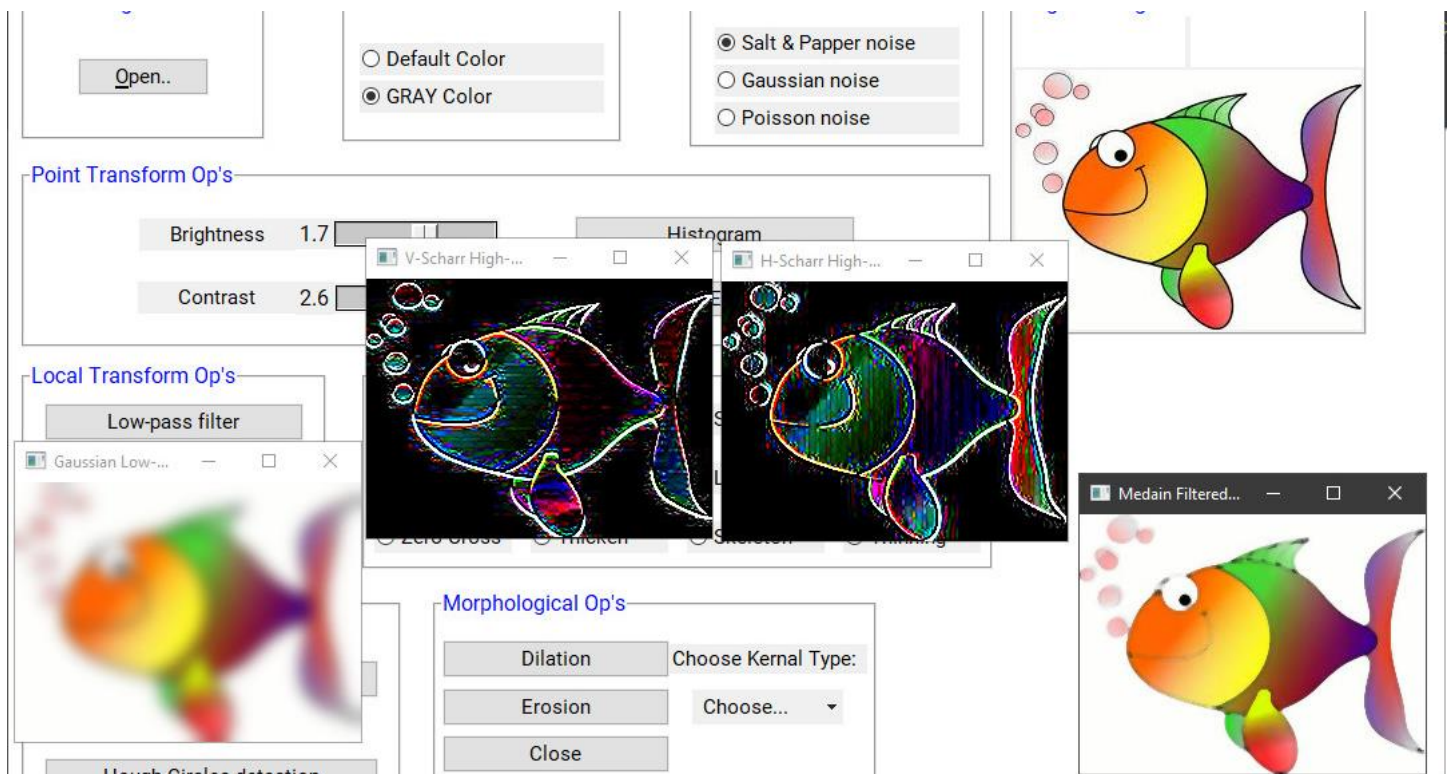
We can use a slider to adjust image brightness and contrast:



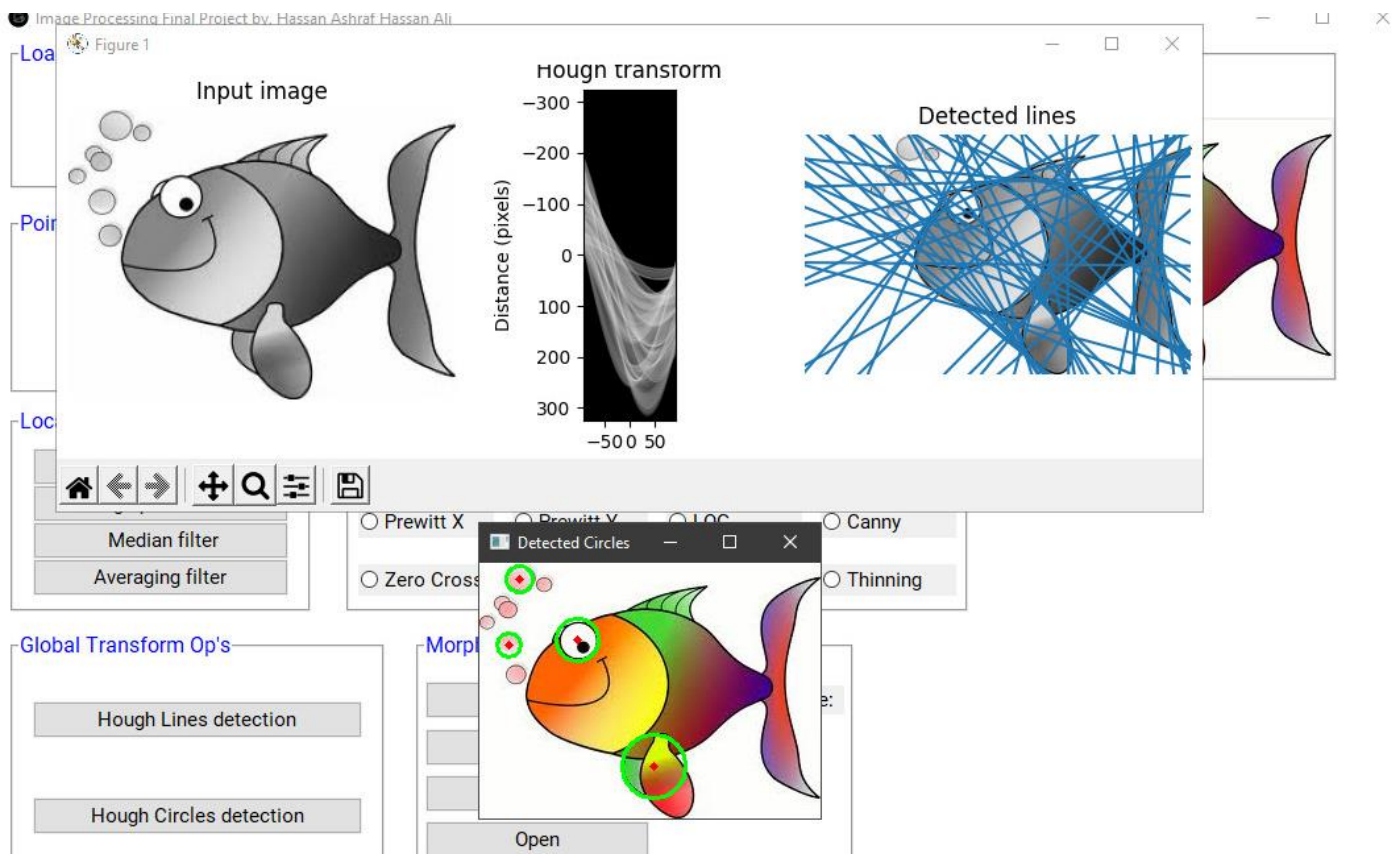
We can get image histogram and equalized the image for an equalized histogram:



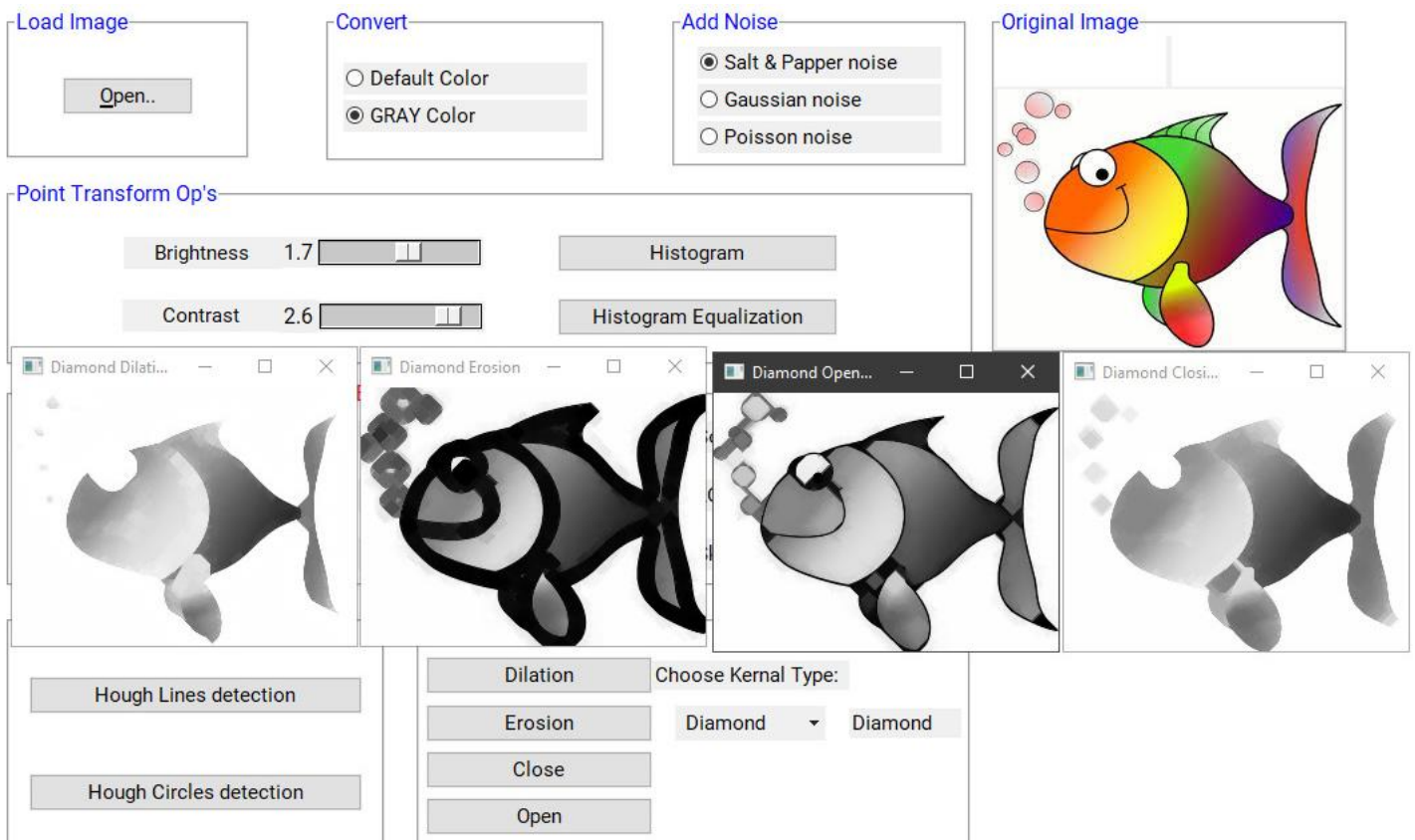
We can apply many filters and edge detection methods:



We can use Hough transform to detect Lines and Circles of our image:



We can apply some morphological methods with different Kernels (Diamond, Disk, Octagon, Rectangle, Square):



And after all we can find all output images in one place:

