Project 3 –Image Model

The various filters on images are captured under ImageFilter which provides implementation for Image blurring, Image sharpening, filter method in ImageFilter also includes the clamping filter after each image filtering. Similarly, greyscale and sepia tone filters are captured under ImageTransformation and it contains implementation of clamping as well. Color density reduction is implemented with k-means algorithm in ColorReduction. Additional filters can be added to the model depending on which Abstract class best captures its functionality.