HW2: Problem 1
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1 Part A

Image converted to greyscale:

Figure 1: Greyscale image.

2 Part B

2.1 Subsection 1

Image with zero-mean Gaussian white noise with variance of 0.01:

Figure 2: J1: Greyscale image with gaussian noise applied.

2.2 Subsection 2

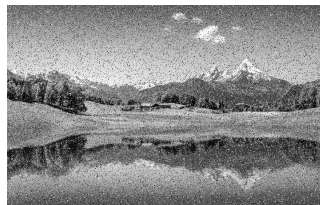Image with salt-and-pepper noise, affecting approximately 5% of pixels:

Figure 3: J2: Greyscale image with salt-and-pepper noise applied.

3 Part C

3.1 Subsection 1

3.2 J1

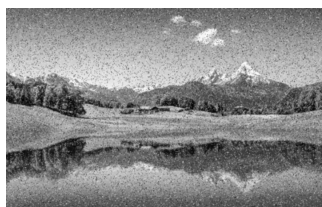Images with gaussian filter denoise:

3.3 J2

Figure 4: Gaussian filter denoised J1.

Figure 5: Gaussian filter denoised J2.