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EE 384
Project Proposal
Due 10 October 2021

MATLAB Photo Editor

Using MATLAB's GUIDE feature, I will create a GUI photo editor from scratch. Like Adobe Lightroom, you will be able to import photos from the file system, make changes on the photo, view the properties of the photo, and then export the photo once you are completed. I am pulling inspiration for this project from classwork's 5 and 6. Continually, I am a hobbyist photographer and have always wanted to attempt a similar project. The GUI will feature converting to and from grayscale, histogram equalization (contrast), "grain" (salt and pepper noise), and image sharpening. If necessary, adding new features we have not covered in the classwork's would add difficulty to the project. Ideas I have in mind is implementing the RGB values in such a way to adjust colors and saturation.

General GUI Layout:

