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Computer Visualisation & Pattern Recognition
Assignment 1

I started this project far in advance and I am grateful I did because the set up and onboarding process presented to be a challenge. I had to switch from Xcode to VScode but back to Xcode (the libraries were not working out with VScode) but fortunately troubleshooting with setup enabled me help other students that encountered similar macOS errors.

Asides from the challenges I faced initially, I can't deny that this project was incredibly interesting and once I finally got my mind wrapped around using c++, the data types, pointers and the memory allocation, the assignment became a little less daunting even though it was time consuming.

Writing the code and implementing functions was a bit awkward because I had to do a lot of code but repetition but doing it in that way was the only way I could at least get running / working code.

The custom filter I have is a sepia filter and a negative filter with a watermark

I am grateful to the entire TA team. I believe I visited them all at least once and each one of them was able to give the adequate help I needed at that point.

P.S I am running my code on OpenCV using XCode on MacBook and will be using one TTD.

I will attach screenshots of the filters I made below.

For all my filters I implemented then in both the images and the videos but displayed mostly the videos. They work the same on photos.

My images are attached below.