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CS440
Fall Semester

Project Description

Problem: Write a program in C/C++ that will demonstrate the use of Steganography, the art and science of writing hidden messages in such a way that non one apart from the intended recipient knows of the existence of the message. The program should be able to limbed date in various image formats (jpeg, tiff, png) without altering the image quality. The program should also be able to extra the written date and write the file to a usable format.

Optional Components:
- Write a graphical front end to the program for ease of use using qt or gtk.
- add a crypto to not only embed but also encrypt the data inside the image
- Add ability to embed date in sound and movie formats as well.

Rough cost estimate:
- research of image files, RFCs, and how various formats store data. (30% --40 hours)
- Design   (10% --- 13 hours)
- Implementation + Testing (50% -- 65 hours)
- Documenting -- (10% -- 13 hours)