

Design Document

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Erinstagram

Data:

Decision1 - int

Decision2 - int

File pointers currentImage, loadImage

NewImage - 2d array of ints

Algorithm (main function):

Display menu, decide action, perform action, prompt user to save file, repeat unless user chooses to exit

Functions:

MainMenu ();

Prompt user, get choice, return choice

Input - none

Output - int

loadImage ();

Open file, read contents, display contents, close file

Input - file name

Output - none

EditImage ();

Prompt user, get decision, decide action, perform action, display image

Input - none

Output - none

CropImage ();

Prompt user, get dimensions, copy pixels into 2d array with new dimensions, save image as pointer

Input - 2d array of image (int)

Output - none

DimImage ();

Repeat dim image by 1 for each pixel, save image as pointer

Input - 2d array of image (int)

Output - none

BrightenImage ();

Prompt user, get new brightness level, dim each pixel according to new brightness, save image as pointer

Input - 2d array of image (int)

Output - none