Final Project Design Document
Peter Hippert
Image Processing

Data:
Array for Current Image
File pointer for image file
Char for user decision
Char array for file name

Functions:
main()
Data: Image arrays, decision variables, file pointers
Functionality: In a loop: Make decisions based on user input regarding which functions to call, create working array to store image.

openMenu()
Input: None
Output: User Decision
Functionality: Display options and get choice

loadImage()
Input: file pointer, array for image, size
Output: None (Array values passed by address)
Functionality: access the file and store image in array

displayImage()
Input: Picture array, size
Output: None
Functionality: Access every element of the picture array and display it

editMenu()
Input: None
Output: User Decision
Functionality: Displays edit options and gets user input

crop()
Input: Section to use
Output: None
Functionality: Assigns a portion of the image array to a smaller image array

dim()
Input: Image array, size
Output: None
Functionality: Decrease the "brightness" of each pixel in the image array
brighten()
Input: Image array, size
Output: None
Functionality: Increase the "brightness" of each pixel in the image array

save()
Input: file pointer, image array, size
Output: None
Functionality: Save image array to file