

Data:

UserChoice1 – Char

UserChoice2 – Char

fptr- FILE

ImageArray – 2-D array

Program:

User chooses to either load image, display current image, edit current image, or exit. If the user chooses to edit, they are given new options on how and then the new version of the image is displayed. Once this is completed, the user can save the image and give it a file name. The user is then returned back to the first set of choices.

Functions:

Main()

Functionality: Save the current user image. Save user choices and navigate through menu. Display versions of images. Save edited images to file.

getMenuChoice1()

Parameters: none

Returned Output: UserChoice1

Functionality: Display first set of choices for user and then return user's choice

getMenuChoice2()

Parameters: none

Returned Output: UserChoice2

Functionality: Display second set of choices for user and then return user's choice

LoadImage()

Parameters: fptr, int rows, int columns, int ImageArray

Returned output: none

Functionality: Load values from file into 2D array

CropImage()

Parameters: int rows, int columns, int ImageArray

Returned Output: void

Functionality:

DimImage()

Parameters: int rows, int columns, int ImageArray

Returned Output: void

Functionality: Go through array to make every pixel one step “dimmer”

BrightenImage()

Parameters: int rows, int columns, int ImageArray

Returned Output: void

Functionality: Go through array to make every pixel one step brighter