**Final Project Design**

Algorithm
    Prompt user with a menu
        The menu includes: new image, display current image, edit current image, and exit
    Gather user option

    If user chooses to display current image,
        Display the image
        Return user to original menu

    If  user chooses new image,
        Cycle to next file
        Repeat until user is satisfied with image
        Display image
        Return user to the original menu

    If user chooses to edit the image, prompt them the following options:
        If user chooses to crop the image,
            Prompt user to enter a preferred size
            Gather user input
            Display the image with the new size
            Return user to the original menu
        If user chooses to dim the image
            Prompt user to enter how much to dim an image
            Gather user input
            Display new image dimmed.
            Return user to original menu
        If the user chooses to brighten the image,
            Prompt user enter preferred brightness.
            Gather user input
            Display new image with new brightness
            Return to original menu

    If user chooses exit
        Exit the program.

Main()
>	Data: Arrays for image size. Variables for each selection.
>	Functionality: Load images

Menu()
>	Input Parameters: None
>	Returned Output: None
>	Functionality: Display Menu

displayImage()
>	Input Parameters: File pointer
>	Retruned Output: None
>	Functionality: Displays image

cycleImage()
>	Input Parameters: Multiple file pointers
>	Returned Output: None
>	Functionality: Cycles through files

editMenu()
>	Input Parameters: None
>	Returned Output: None
>	Functionality: Displays the edit menu

cropImage()
>	Input Parameters: File pointers, variables for x-coord, y-coord, cropping region in y, cropping region in x, a new file pointer where the new image is stored
>	Returned Output: cropImage
>	Functionality: To crop the image, store image in new file and to display the new cropped image

dimImage()
>	Input Parameters: None
>	Returned Output: None
>	Functionality: To dim the image then display the image.

brightenImage()
>	Input Parameters: None
>	Returned Output: None
>	Functionality: To brighten the image then to display new image.