**Function for int main()**

Initialize variables for data and file name of image

Do while main menu

Prompt user for input

Load new image, display current image, edit image, and exit program

If new image, prompt user for file name and read data from file

If current image, show current image

If edit image, prompt user for edit option, and perform task

If exit program, exit program

**Load New Image Function:**  
 open file, read data from file, output file

**Display Image Function:**  
 Go through each pixel in the image data, correlate “pixels” to their brightness,

**Edit Image Function:**

Display Edit menu, and display edit options:

Crop, dim, brighten,

Save new image to file, output file

**Crop Function:**

Prompt user for coordinates of desired corners to crop

Crop image and save to file

**Dim Function:**  
 Loop through each pixel in the file and replace/decrease brightness

6 functions, as per desired.