***Project Specification(informal)***

The Main idea of our GSP is to take any image(.png or .jpg) and print it in ASCII art Takes an image and resizes it to a user imputed dimension. It then asks whether the user wants in color or black and white. It then uses a recursive function to check and average each pixel's RGB value. It then calls a second function which assigns the pixel a character based off of the average RGB value of the pixel. After that it adds that character to a list, when it reaches the last pixel horizontally it combines the list into one string and prints it out. It redoes this function until every single horizontal line has been printed/examined. For example if the pixel's average RGB value is under a certain number, it is assigned the “@” character.

Webcam---> The webcam uses an open CV to access the computer camera. Whenever the space bar is pressed it takes a screenshot of the webcam image displayed. It then runs this image through the converter and prints it out.

Modules---> Constants in the code are changed to variables so it doesnt need to be hardcoded. The code is changed into a module where you can import it and call your own function and call your own function.