



CPIT380 Project Tasks

Student Names with ID: [Elaf Yousef Aloufi 1911265](#)
[Jeelan Majid Alotaibi 1907030](#)
[Manar Mutlaq Altairy 1906775](#)

Group# [9](#)

S #	Evaluation Criteria	Implemented	Not Implemented
		Use Tick mark	
Picture Part			
1.	Show the pictures and pixels information (Height, width, colors)	Yes	
2.	Color Change methods, Copy and Crop	Yes	
3.	Convert RGB to Gray Scale Image then convert gray scale to Binary Image using Thresholding technique	Yes	
4.	Blending Two or more images	Yes	
5.	Left and Right Rotation (Rotation by90, 180, 270, 360)	Yes	
6.	Vertical and Horizontal Reflection	Yes	
7.	Diagonal Reflection D1 OR Diagonal Reflection D2	Yes	
8.	Scaling up and Scaling down	Yes	
9.	Create Collage and Drawing on the image	Yes	
10.	Computing histograms (your method and using ImageJ)	Yes	
11.	Plotting histograms	Yes	
12.	Box, Gaussian, or Laplacian Filter -----	Yes	
13.	Average, Min, Max, and Median Filter -----	Yes	
14.	Edge detection using Thresholding technique -----	Yes	
15.	Red Eye reduction using thresholding technique -----	Yes	
16.	Background subtraction -----	Yes	

Sound Part			
1.	Change Volume (Create labelling '+ve' and '-ve' to control volume)	Yes	
2.	Clipping a given sound (Define the segment first to be clipped.)	Yes	
3.	Splicing at least two sounds together keeping the silent zone.	Yes	
4.	Add a method to spread a sound of two sec over 4 seconds and then squeeze it over 1 second and play at the end.	Yes	
5.	Apply reversing and/or mirroring of sounds	Yes	
6.	Apply blending of two sounds.	Yes	
7.	Apply filters on sounds, just one is enough. For instance, averaging filter.	Yes	
Movie Part			
1.	Create Rectangle Movie method, show it is moving from top left corner to bottom right, curved trajectory	Yes	
2.	Create Rectangle Movie Method Show the trajectory of motion, when a ball is dropped on the floor. Note that the dropped ball does not bounce back to same height and gradually comes to rest.	Yes	
3.	Create Ticker Tape Movie – A string of text moves back and forth and does not disappear from screen.	Yes	
4.	Create Sunset movie – Total change must be made by the user on runtime.	Yes	
5.	Create Back Ground Subtraction Movie OR Edge Detection Movie	Yes	

Important notes:

- Your project must have welcoming (intro) window it has
 - Welcoming message.
 - your project name.
 - Your team names.
- Each part has it is own main window

For example, from the intro window I click on start button then it will take me to the choices window (picture, sound, and movie)

If I click on picture the program will take me to the picture's main menu (color change, rotate, histogram, etc.).