CS370: Assignment 1 - Documentation

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Declaration:

I hereby declare that I adhere to the Academic Integrity Policy stated in the syllabus document. In addition, I also declare that the output images shown in this document are solely taken from the project that I have implemented for this assignment and the same output image will be generated when run in any Digipen PCs using the submitted project.
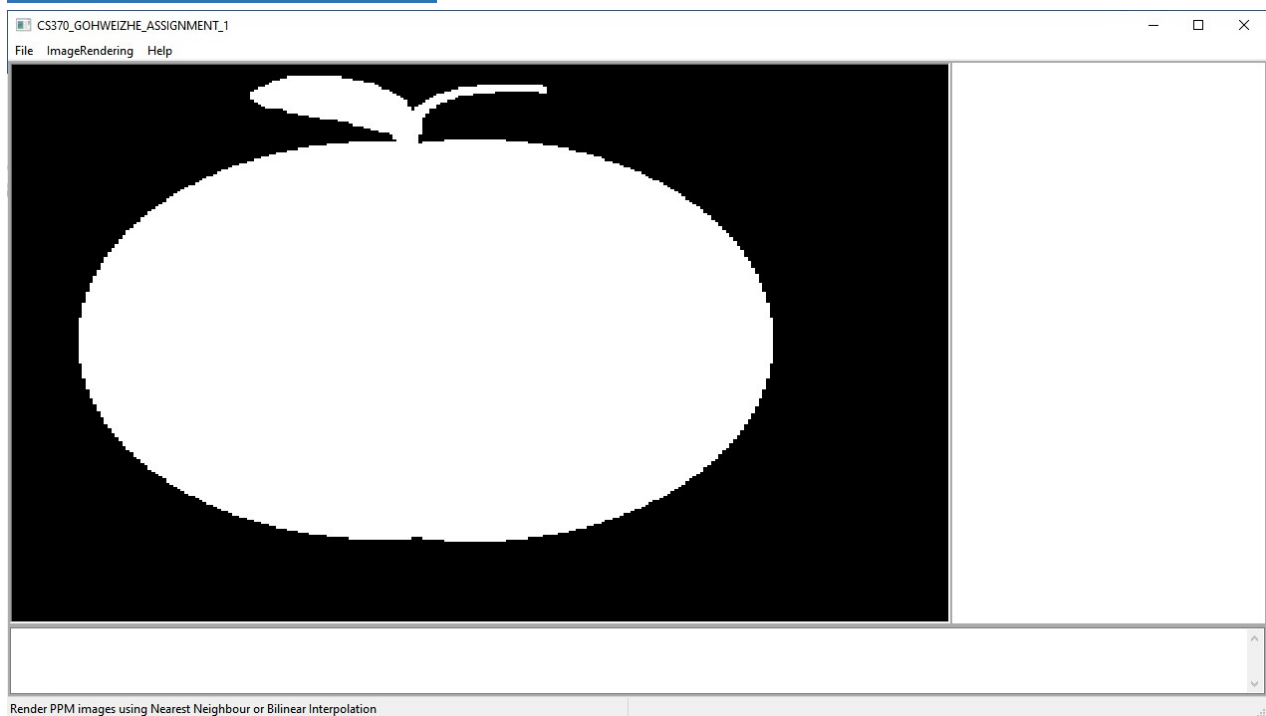
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Load Image:
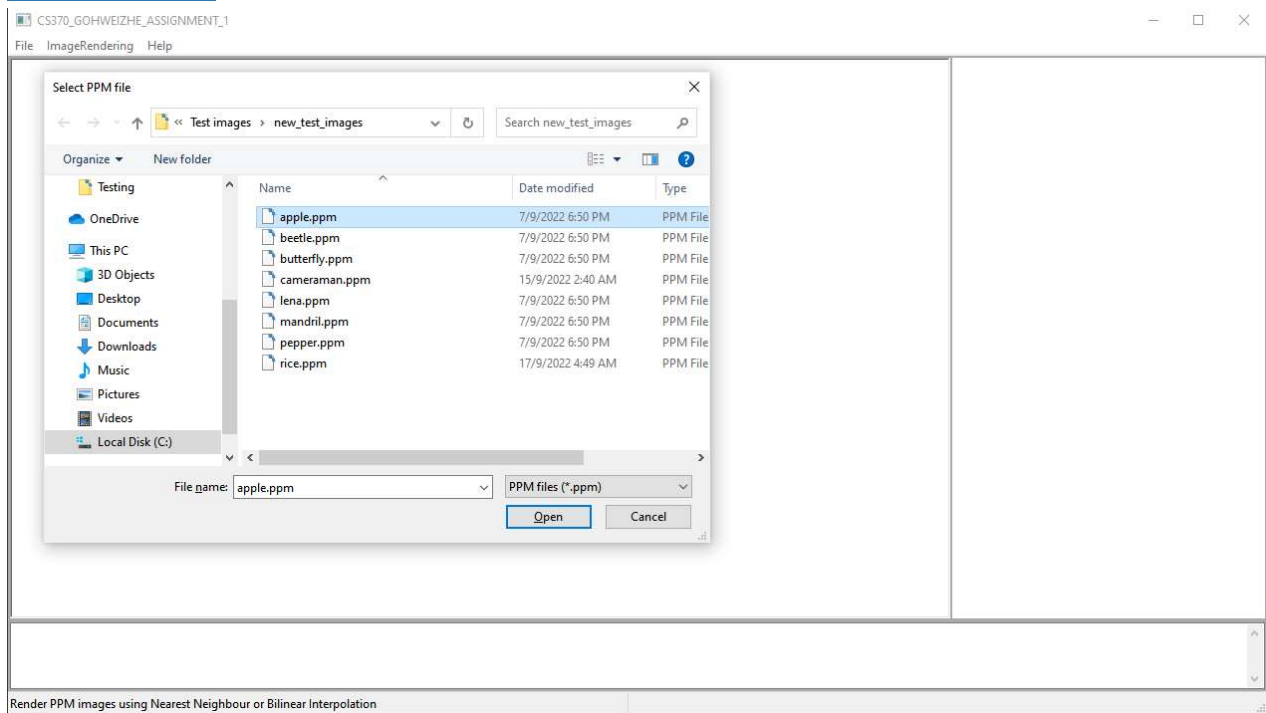
File Dialog pops up for users to select the image that they want to load.

Display Image on Screen:

Save Image (Before):

apple.ppm	7/9/2022 6:50 PM	PPM File	565 KB
beetle.ppm	7/9/2022 6:50 PM	PPM File	319 KB
butterfly.ppm	7/9/2022 6:50 PM	PPM File	1,432 KB
cameraman.ppm	15/9/2022 2:40 AM	PPM File	769 KB
lena.ppm	7/9/2022 6:50 PM	PPM File	769 KB
mandril.ppm	7/9/2022 6:50 PM	PPM File	2,923 KB
pepper.ppm	7/9/2022 6:50 PM	PPM File	769 KB
rice.ppm	17/9/2022 4:49 AM	PPM File	193 KB

Save Image (After):
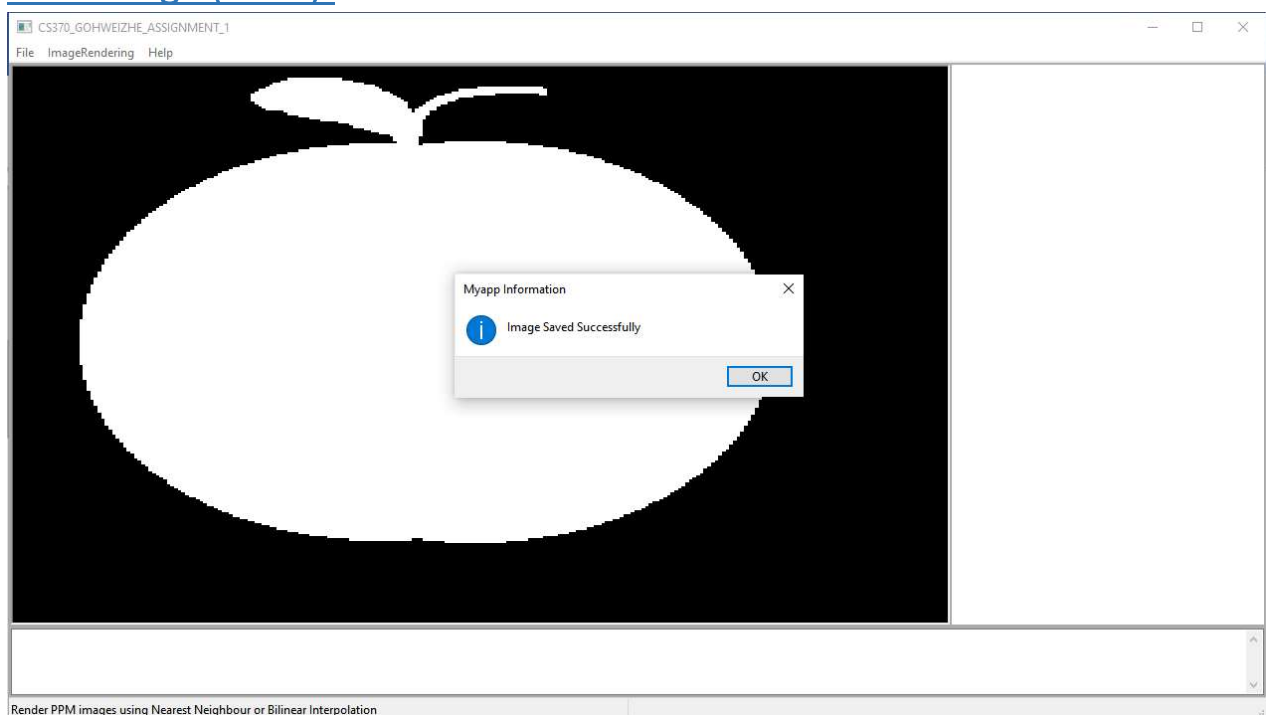
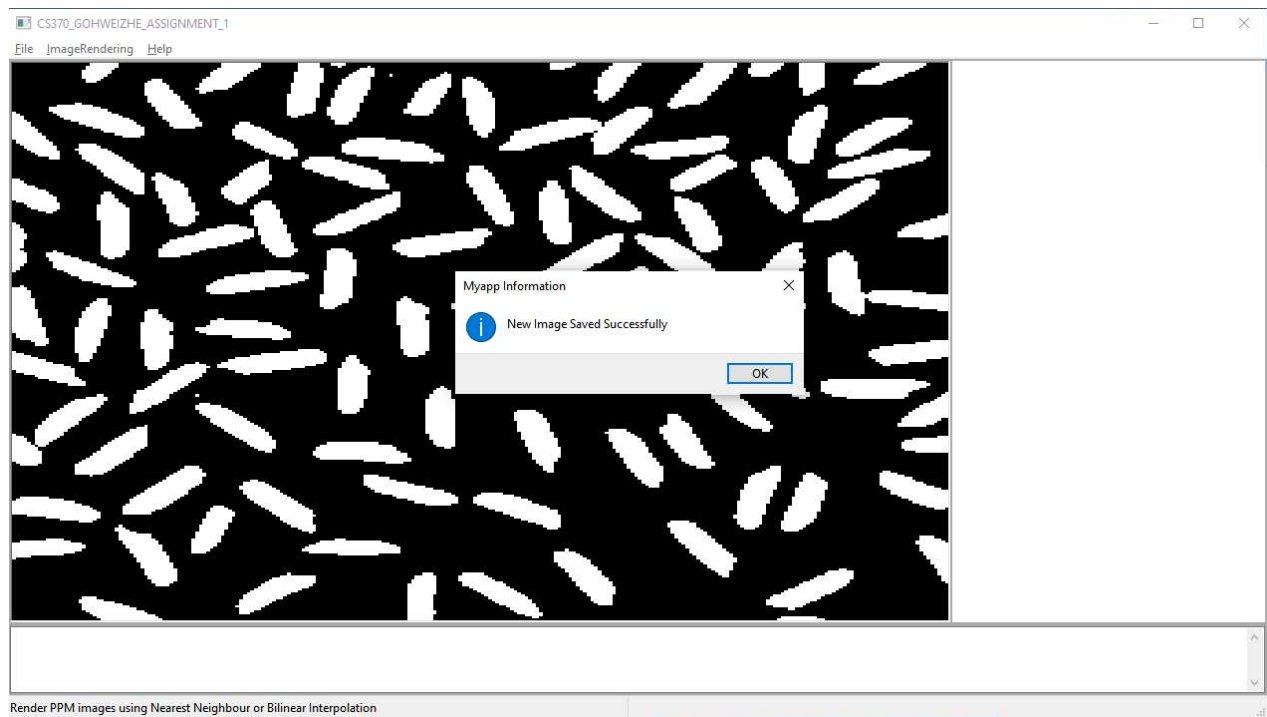Message pops up "Image Saved Successfully." to indicate image as been saved successfully.

apple.ppm	17/9/2022 5:04 AM	PPM File	193 KB
beetle.ppm	7/9/2022 6:50 PM	PPM File	319 KB
butterfly.ppm	7/9/2022 6:50 PM	PPM File	1,432 KB
cameraman.ppm	15/9/2022 2:40 AM	PPM File	769 KB
lena.ppm	7/9/2022 6:50 PM	PPM File	769 KB
mandril.ppm	7/9/2022 6:50 PM	PPM File	2,923 KB
pepper.ppm	7/9/2022 6:50 PM	PPM File	769 KB
rice.ppm	17/9/2022 4:49 AM	PPM File	193 KB

The time of apple.ppm is being updated when saved.

Save As Image:
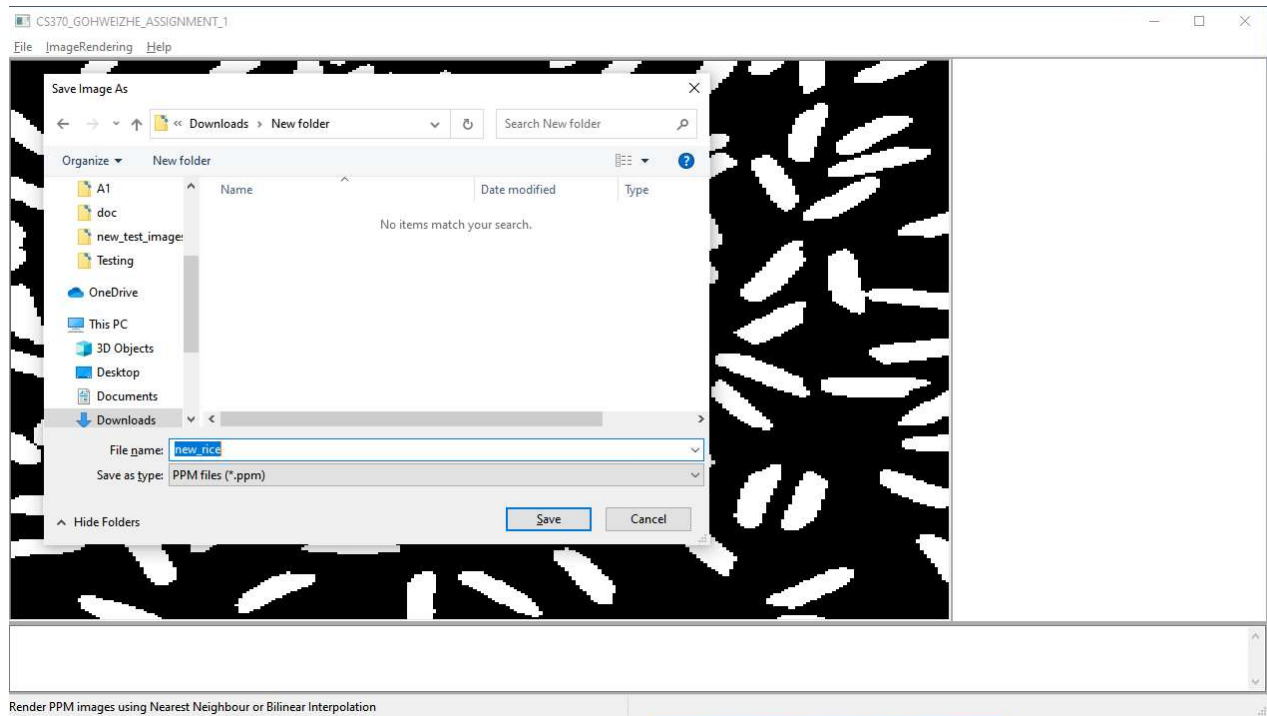
File dialog pops up for users to input their file name.

Message pops up "New image saved successfully." to indicate a new image as been saved successfully.
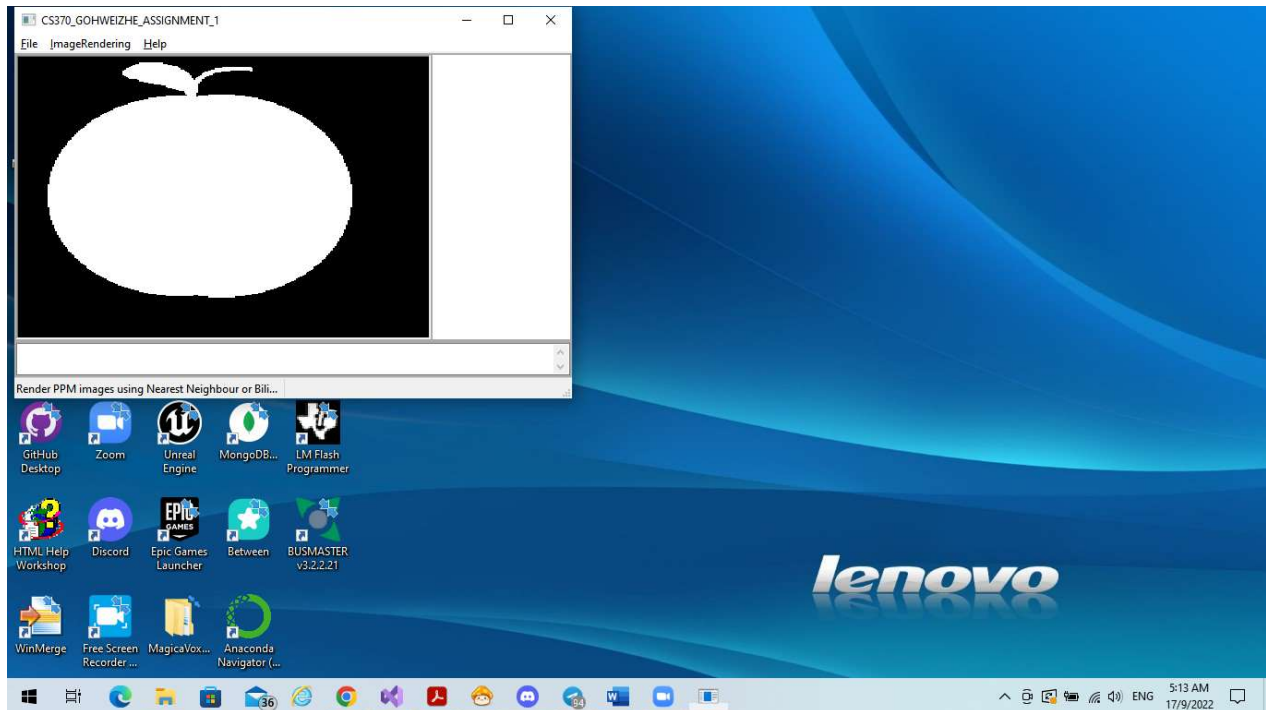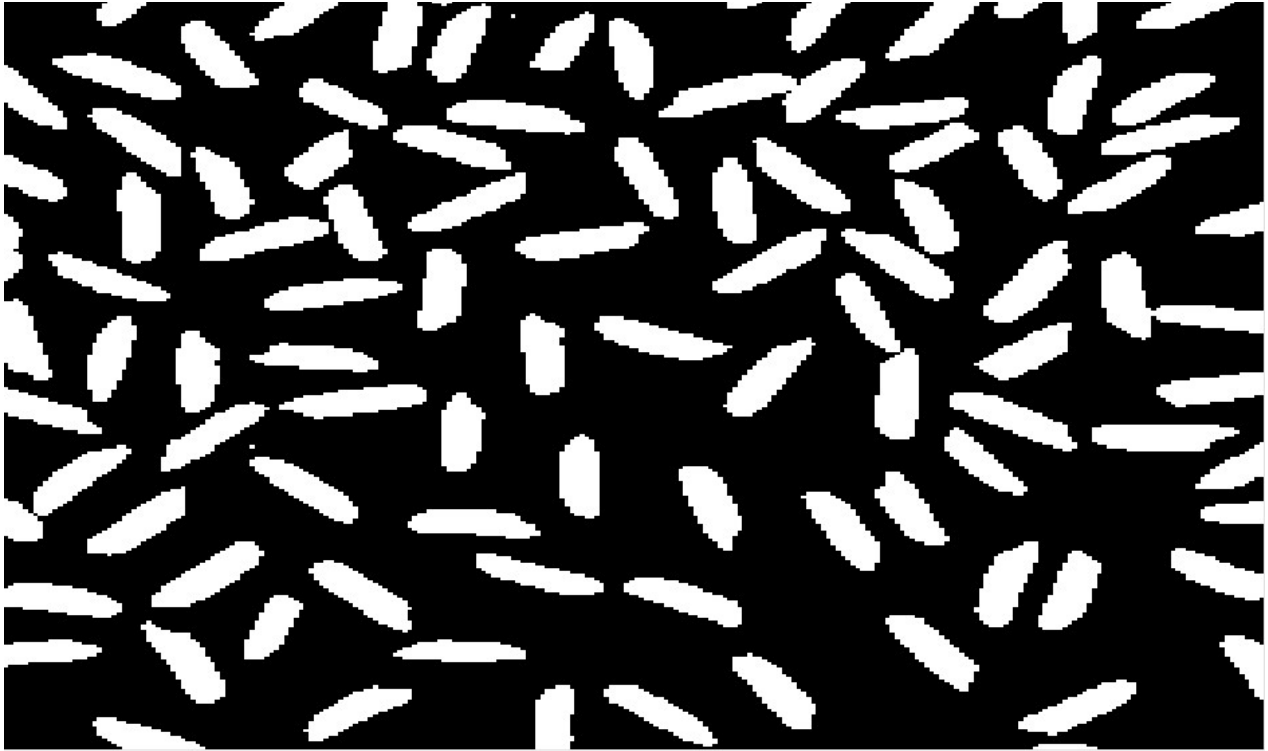
New folder			
Name ^	Date modified	Type	Size
new_rice.ppm	17/9/2022 5:20 AM	PPM File	193 KB

Image scaled to match client window at all times:

Nearest Neighbor Interpolation:

Bilinear Interpolation:

Bicubic Interpolation:

Additional Information to the Instructor:

1. Added Bicubic Interpolation
2. Program to recreate the sample executable as close as possible.