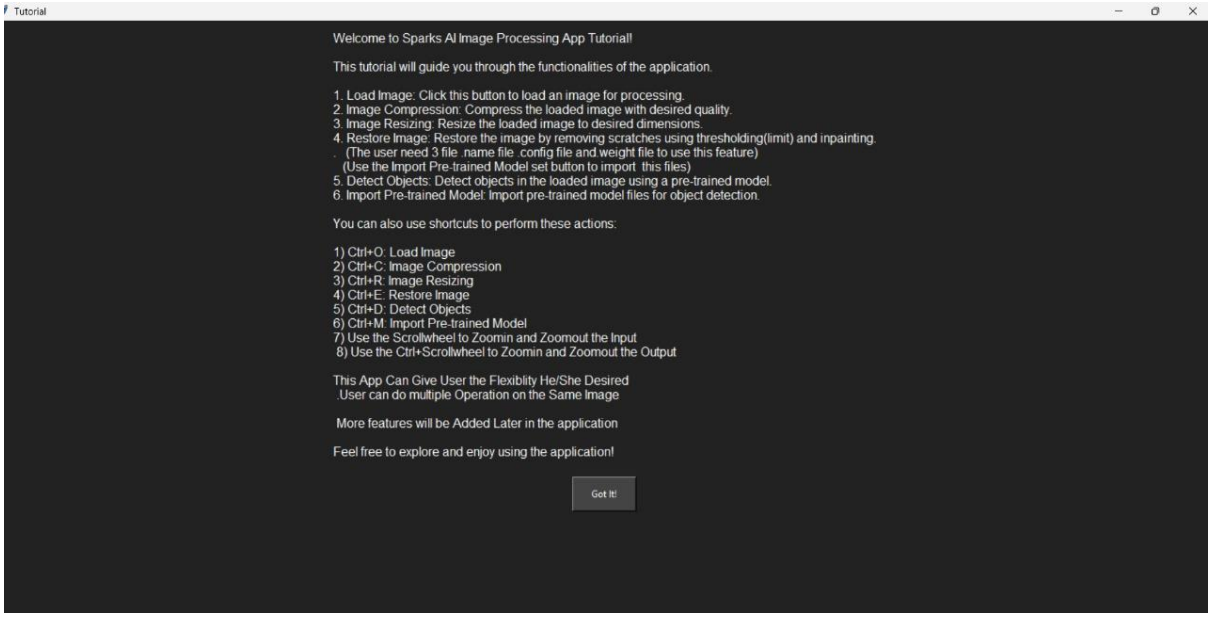

Fig 1: - Tutorial of our Application

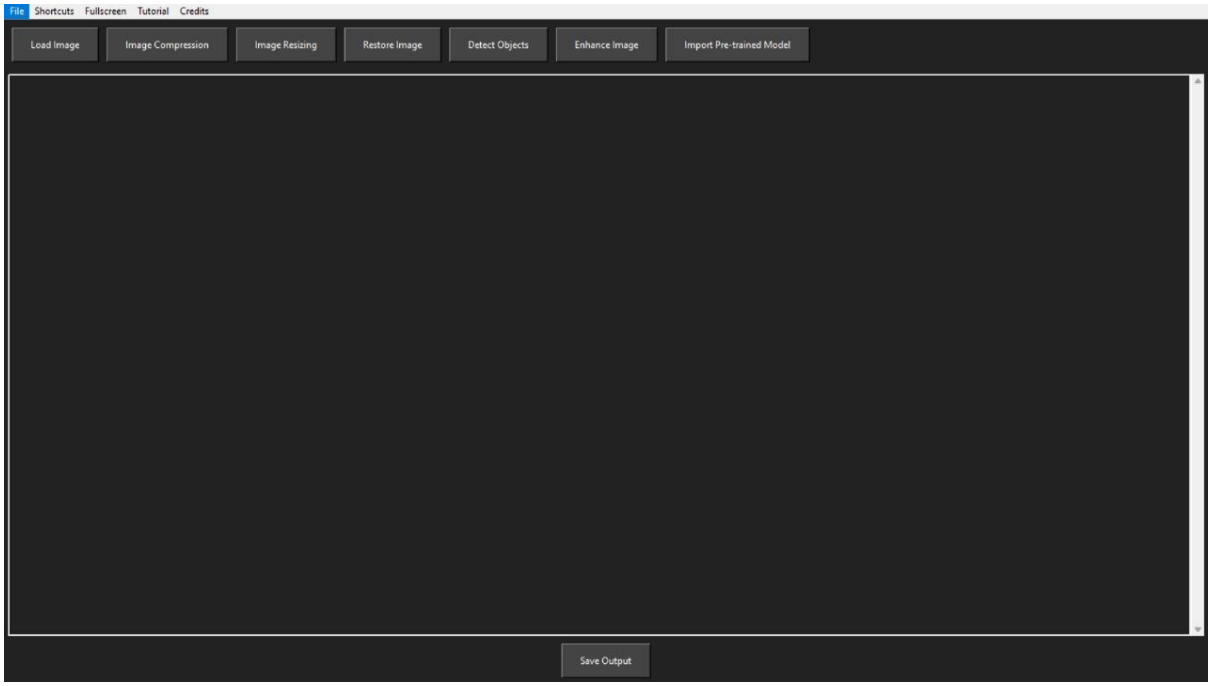

Fig 2: - Overview of our Application

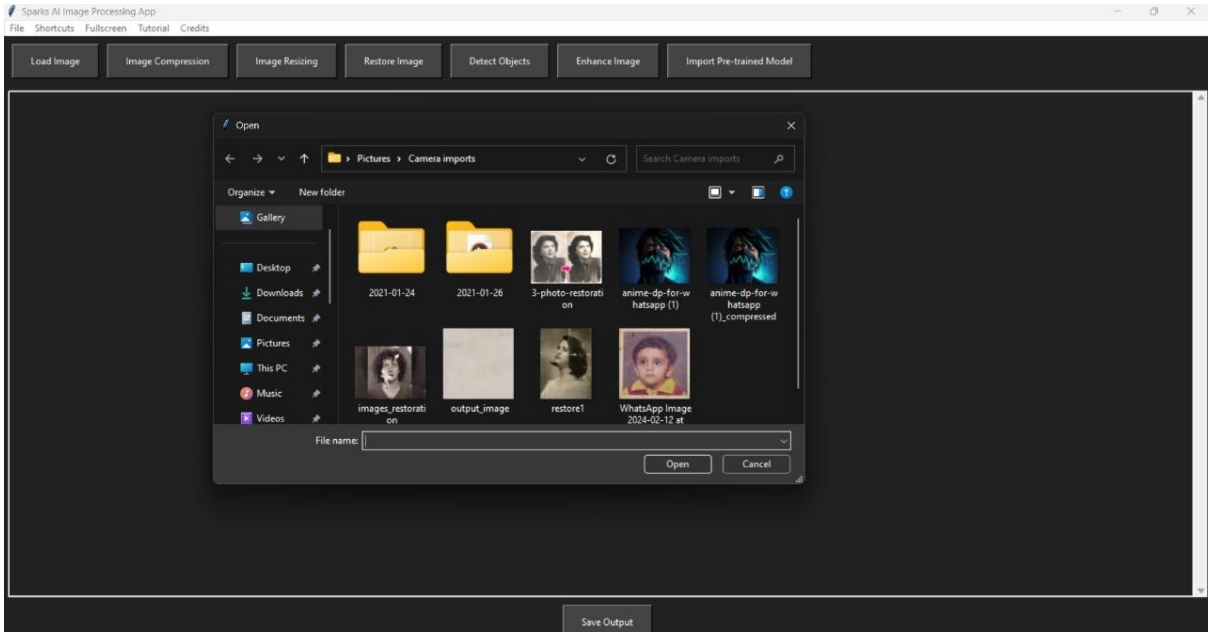

Fig 3: - This window appears when you proceed to load image.

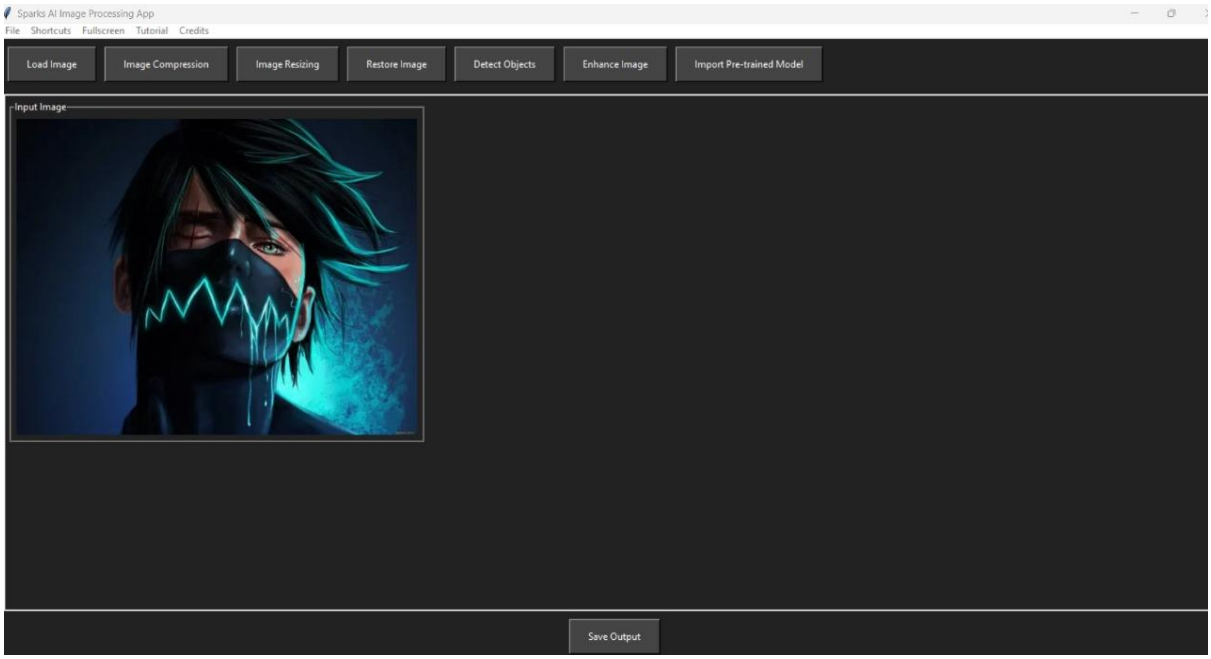

Fig 4: - Loaded image appears in application for performing further operations.

- The above images show working of our application and what services and feature does it provides to the users.

Fig 5: - Input image for Image Compression

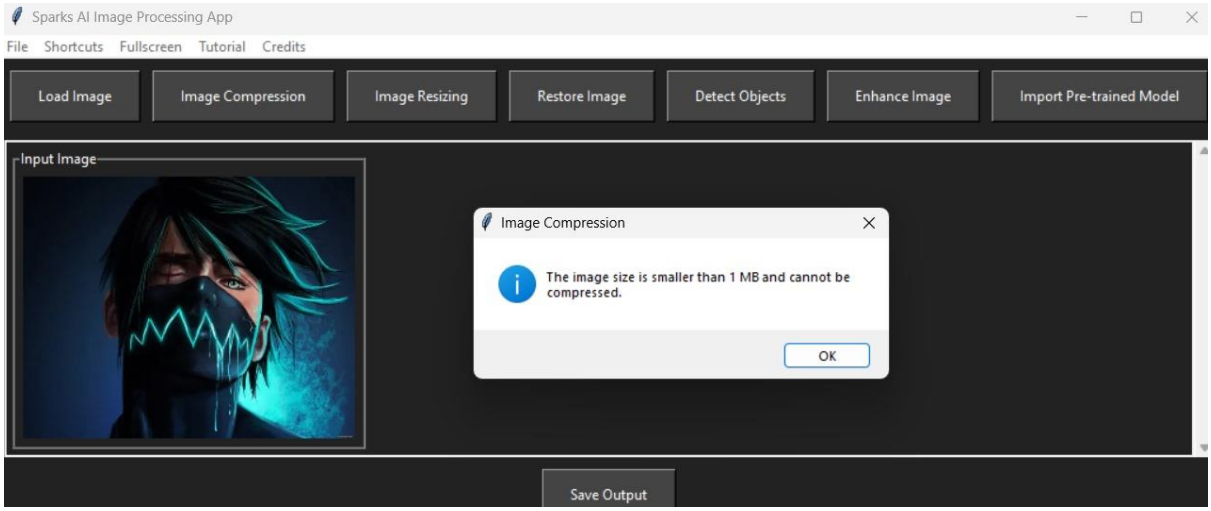

Fig 6: - Warning appears if image size is less than 1 MB

Fig 7: - Output of Image Compression

Fig 8: - Input image for Image Restoration

Fig 9: - Output of Image Restoration

Fig 10: - Input Image for Image Enhancement

Fig 11: - Output of Image Enhancement

Fig 12: - Input image for Image Resizing/Resolution Scaling

Fig 13: - Output of Image Resizing/Resolution Scaling

Fig 14: - Input Image for Object Detection

Fig 15: - Output of Object Detection

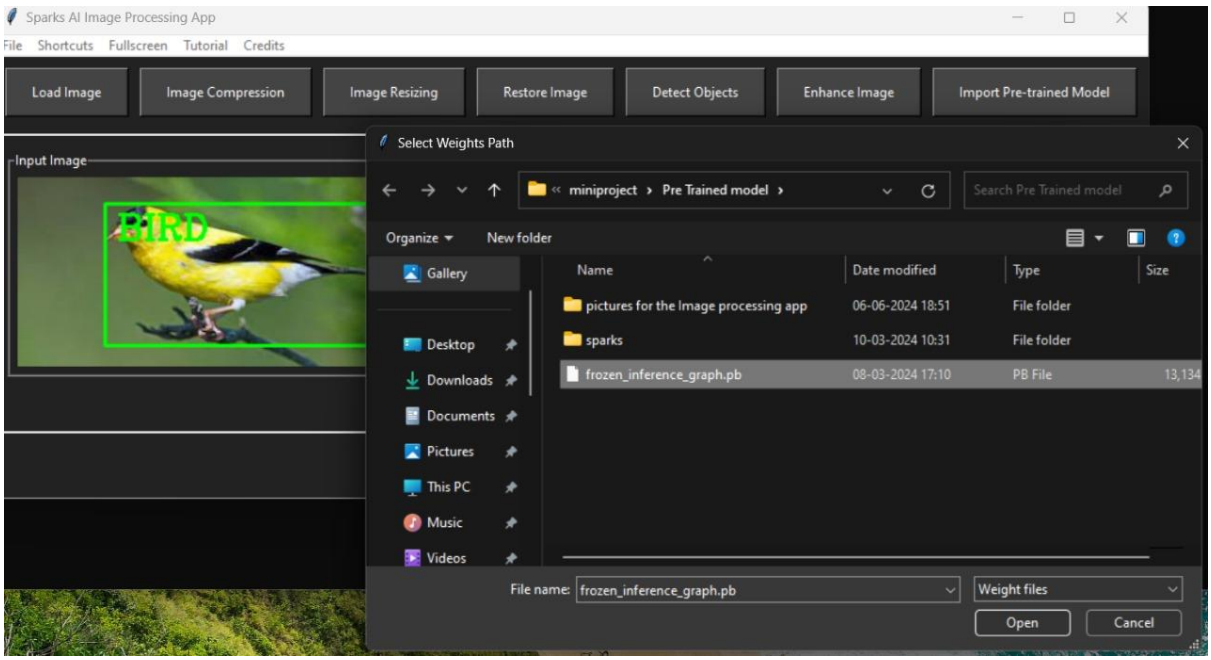

Fig 16: - Object Detection Weight File

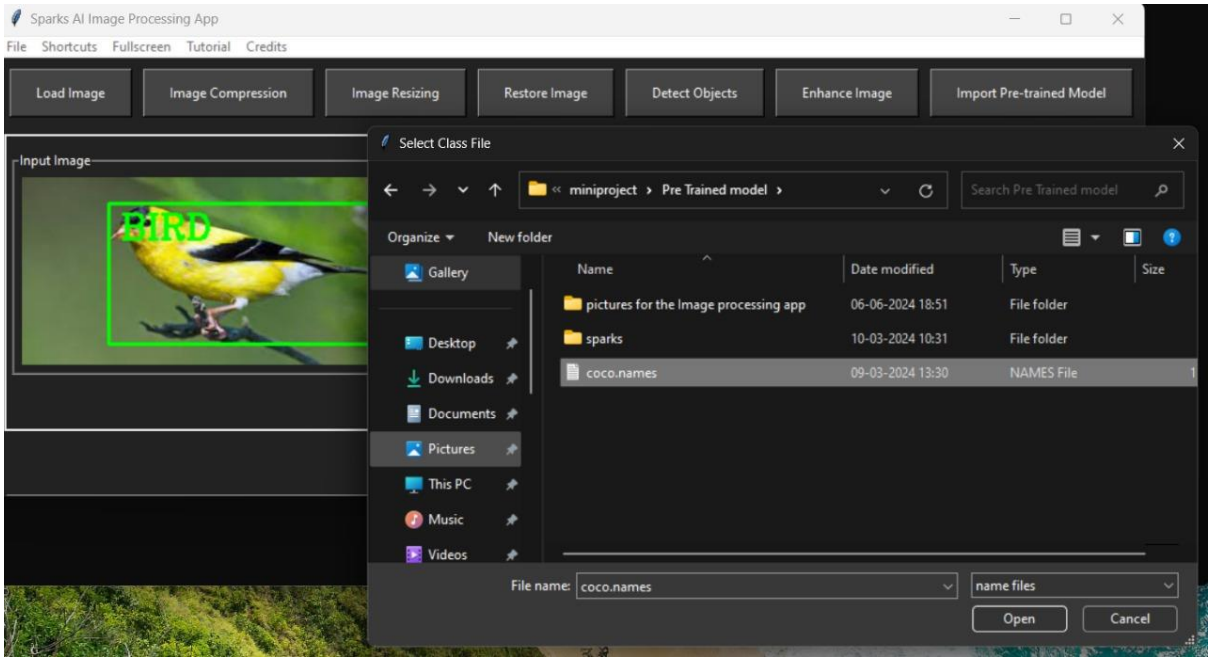

Fig 17: - Object Detection .names file

- When we gave input for Image Compression, the size of the Image was 20 mb and output after doing compression is having size of 11.6 mb. The size after compression depends upon how much percentage of compression do you want.
- While giving input for Image Restoration, the image was damaged and somewhat low in quality and output after restoration, the image has been repaired and quality was improved in comparison with input image.
- Image Enhancement focuses on a particular part of Image. Like for the image which we have taken of a horse in a motion, after enhancement, it focuses on the motion of horse and its body and enhances the pixels and quality of it.
- When we gave input image for Image Resizing/Resolution Scaling, the dimension of the image was “10751 x 4287” and after performing the operation the dimensions of the image became “1920 x 1080”.
- Obejct Detection uses the bounded box technique. We provided an image of Bird in input, which gave output as “Bird” in a green bounding box. The procedure of object detection has 3 stages; first it uses the MobileNet Architecture for producing raw data; then second it uses weights for converting the raw data using the code; and third .names file is used for producing the final output.