User manual with pictures of the application

Windows

For those who are using the application on Windows, you do not need to install python or any other dependencies. The application is packaged as an executable file. You can download this from the release section of the GitHub repository.

Linux

For those who are using the application on Linux, you do not need to install python or any other dependencies. The application is packaged as an executable file. You can download this from the release section of the GitHub repository. For Linux you need to use terminal commands to run the application. The commands are:

$ cd <name of directory you have downloaded the file>

$ ./Visual_Snow_Diagnostic

You may have to make the file executable if it is not working from the terminal. Refer to the steps below.

1. Right click the file

2. Click Properties

3. Change permissions to executable

MAC OS

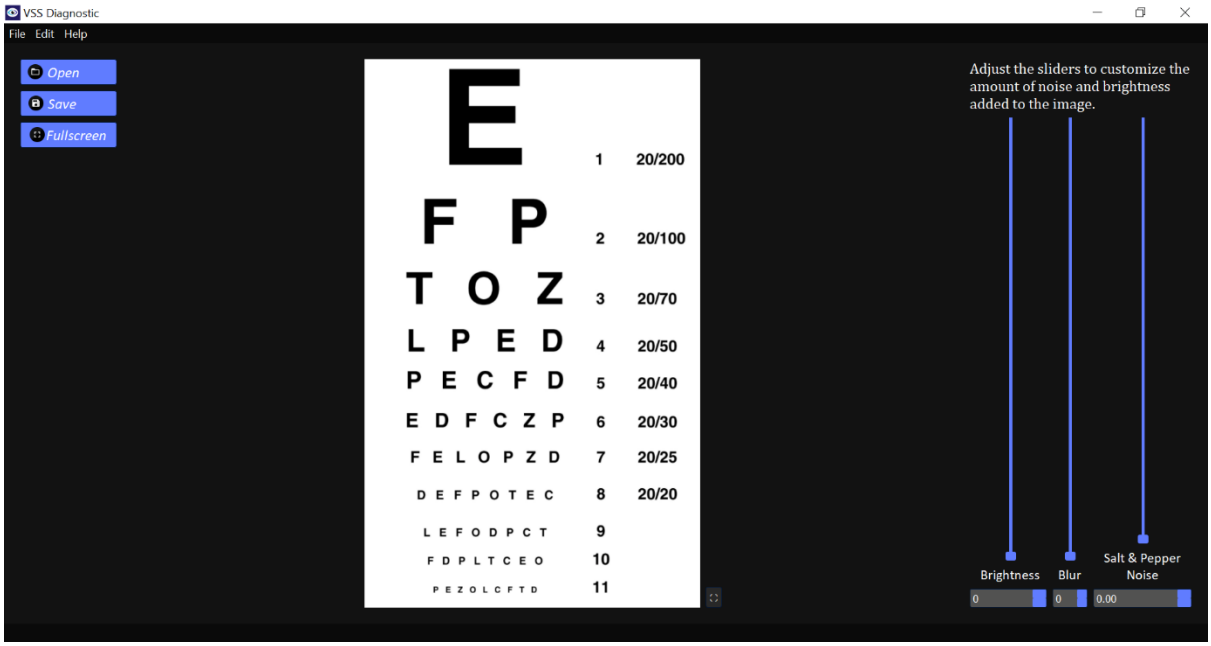
This will be soon be done for MAC OS too.

This is the main application window on start-up.

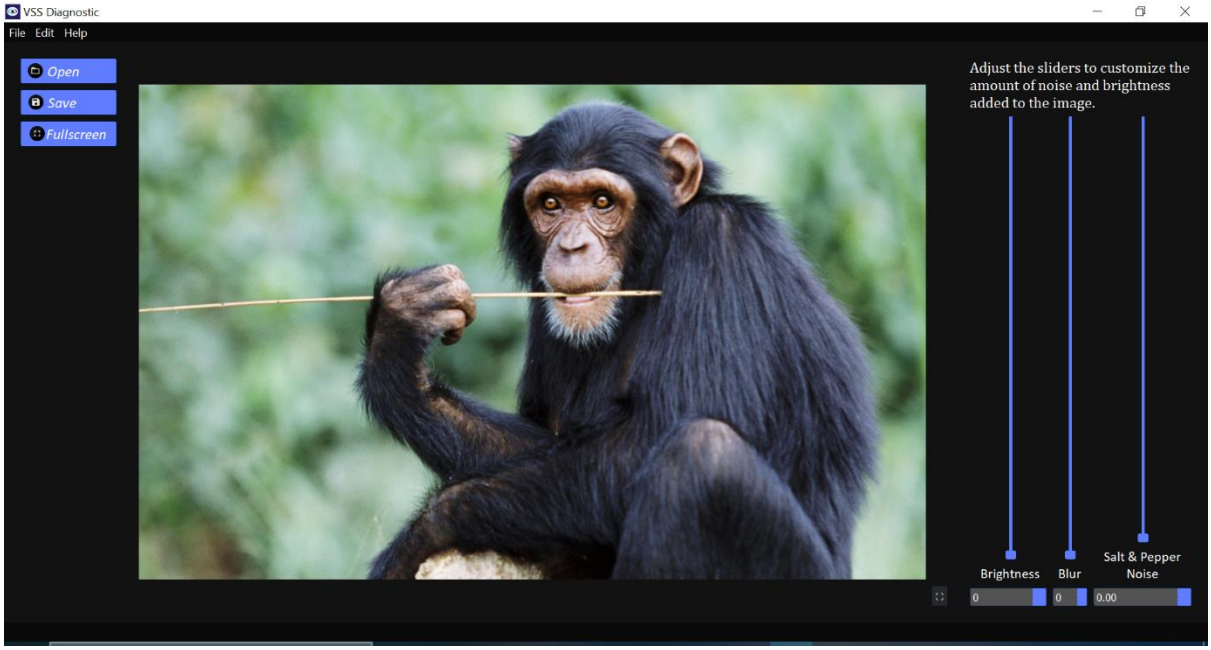
When you click open, you can select any image from any directory you choose. The image formats supported are jpg and png.

The image would load as seen. Any image you choose will get resized according to the window size.

Sample vertical image:

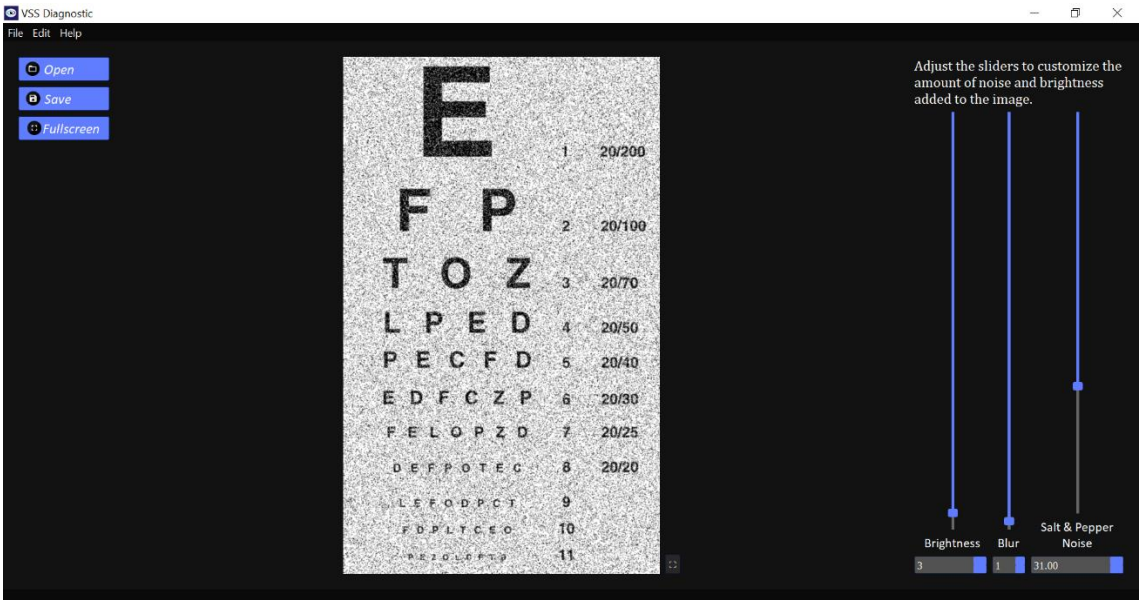


Sample Horizontal image:

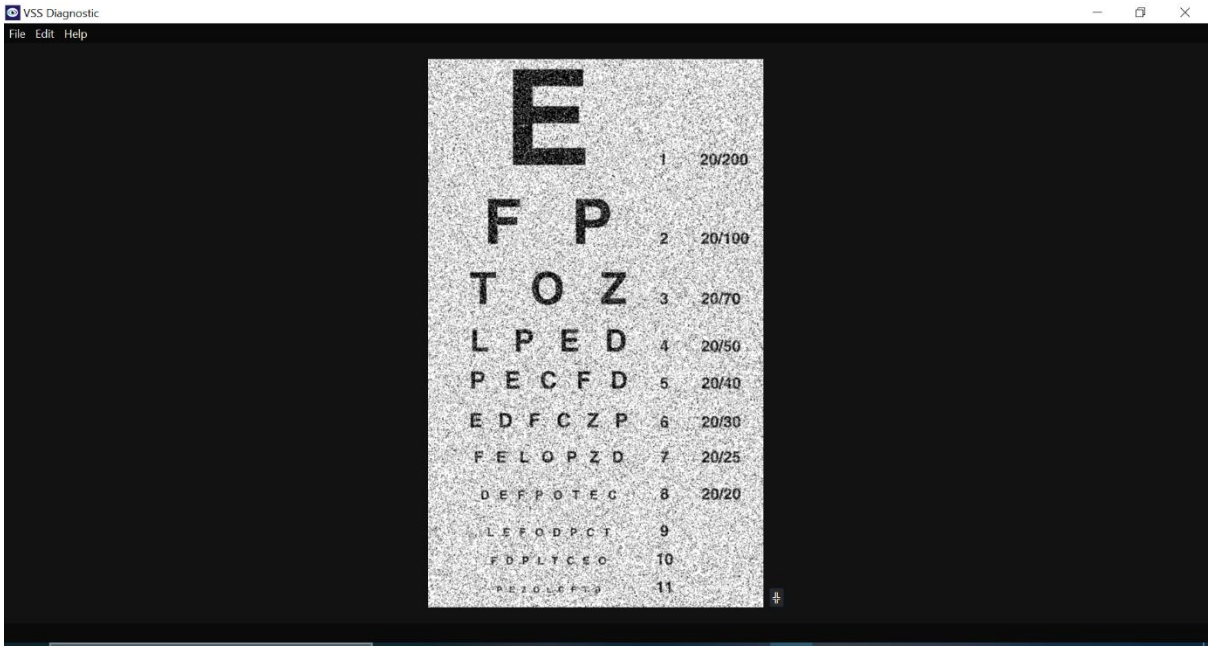


The slider at the side can be adjusted to add any amount of noise.

The brightness, blur, and noise values can be changed simultaneously to get any configuration required.



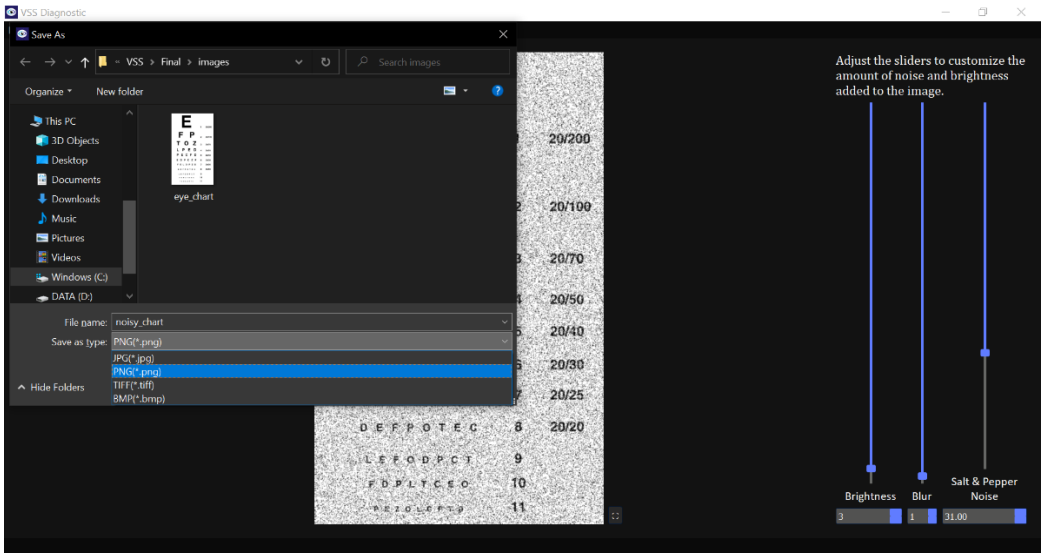
There is full screen functionality as well which can be used to view only the eye chart. The small button to the side, Escape Key, and Double Clicking the eye chart would enable users to manipulate the sliders and view the entire application again.



Finally, this image can be saved in any directory. The noise and brightness configurations stay intact according to the adjustments. It can be saved as:

- jpg
- png
- tiff
- bmp

Even if the object is originally a .png image, it can be still be saved as a .jpg or .tiff image file after the modification.



Whenever an image file is saved, a text file which contains the configuration of noise, brightness, and blur is also saved with the same file name and in the same directory as the saved image.