

ImManager

This synopsis provides a brief conspectus on the project "ImManager". (Required for the assessment of CSP211)

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Introduction:

Using ImManager you can:

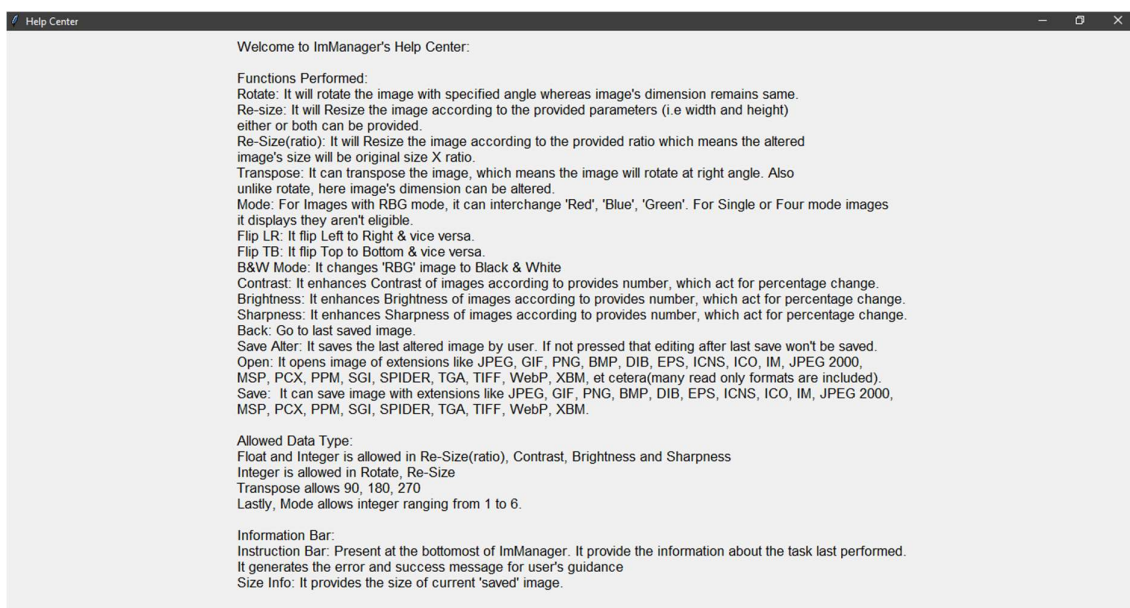
view image files of supported formats (JPEG, GIF, PNG, BMP, Webp.),
resize them to your choice whether in terms of height or width or both,
enhance brightness or contrast or sharpness to your accordance,
perform rotating and other transposing action like flipping left- right,
changes modes provided by ImManager such W&B or RBG interchange,
And Of course, you can save them in any format of your choice.

In a nutshell, ImManager is a simple Image managing application design for providing basic utilities for Image Modifications.

While developing this first release, I kept in mind to provide easiest possible User Interface and a proper help support system.

Proposed method:

Help Center: The user may go through few pointer for understanding the data type and their values accepted by the options. Through this you can explore ImManager more swiftly. (Help> Help Center)



Open/ Save:

There are two ways to open/save file in ImManager.

Firstly, Visit File Menu> Open/ Save

Secondly, Directly by Button

You can open 32+ supported image formats. Listed out in help.

Also, can save into 20+ supported formats. These also are listed out in help.

Canvas Area:

The Image imported/ edited is displayed in 700x700 px canvas. Image greater than 700 either in width, height or both is compressed accordingly for viewing.

Instruction Bar & Size Info:

Instruction bar provide the status of instruction performed either it is executed successfully, failed, data type error or other error.

Size info bar tells the size of the current handling image. (Image available in memory.)

Back/ Save Alter:

Save Alter is option which is responsible for saving the altered image in memory. If not used the last saved image in memory will remain unchanged even after editing.

Back is option which is responsible to show the last saved image in memory.

Functions & Data Acceptance:

ImManager provides with 12 functions to edit the image accordingly to the inputted data.

For further information you may take a look at help.

Panels of ImManager

Menus: File & Help

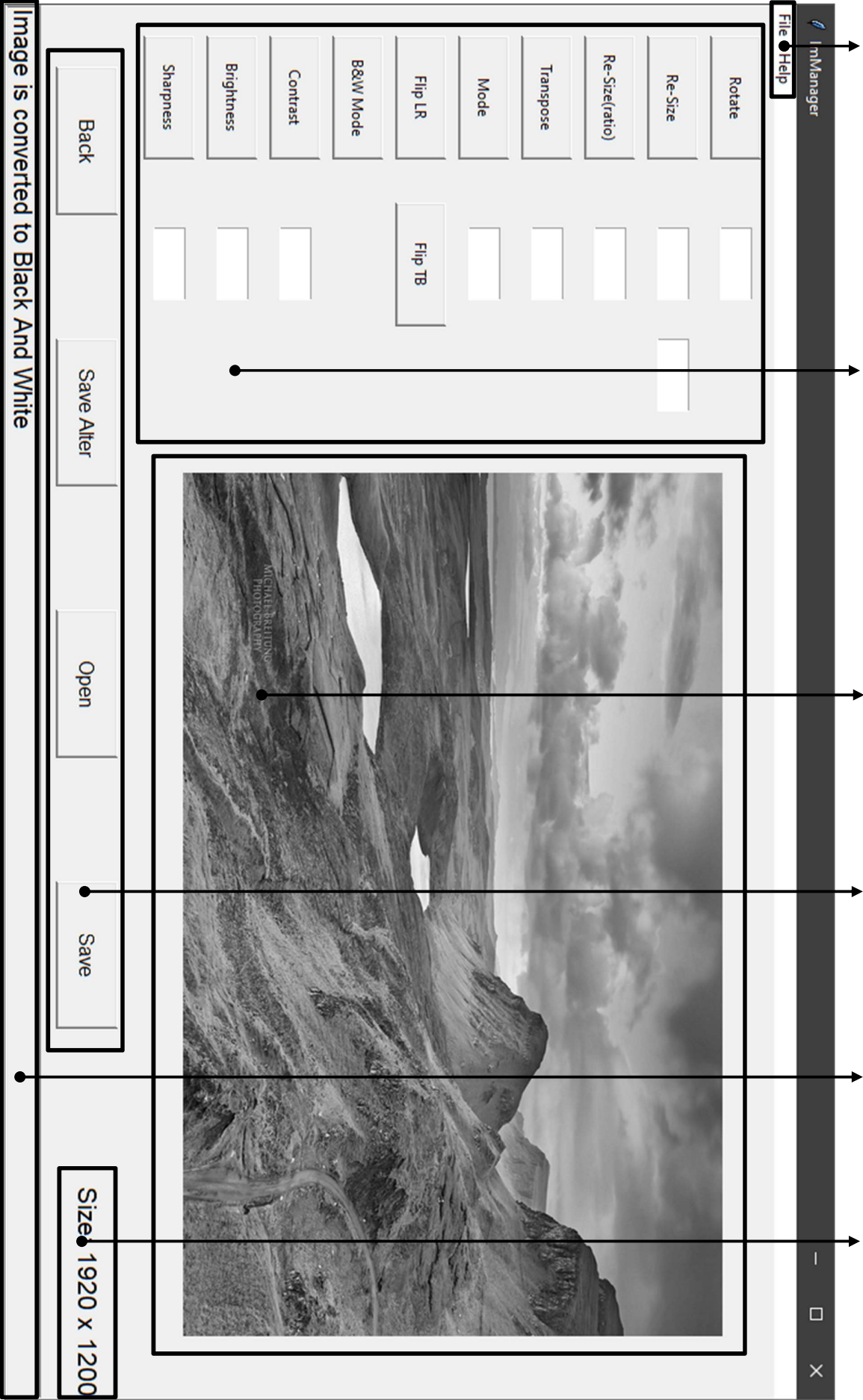
Functions Panel

Image Canvas

Primitive Panel

Instruction Bar

Size Info Bar



References:

1. *Pip Reference*: <https://pip.pypa.io/en/stable/reference/>
2. *Pillow Reference*: <https://pillow.readthedocs.io/en/stable/>
3. *Tkinter Reference*: <https://docs.python.org/3/library/tk.html>
4. *'py to .exe' Conversion Reference*: <https://stackoverflow.com/questions/41570359/how-can-i-convert-a-py-to-exe-for-python>