User’s manual

The purpose of this program is to generate a tree representing an image.
It can also be described as a conversion from the image to the tree.
This program uses the MLV library for the graphical interface and for the image management.

Table of Contents

Compilation and execution

Command	Description
Make	Compile all the necessary file for the creation of the executable file (named Main)
./Main	Execute the executable file

Menu

At the beginning of the program, a window will open with a menu.
Multiple actions can be done through the buttons of the menu:

- select an image
- save the tree representing the black and white image in a file
- save the tree representing the rgba image in a file
- minimize the tree
- save the minimized tree in Black & White
- save the minimized tree in rgba
- quit the program

The buttons can only be pressed through the mouse's right click.

Image selection

The image selection uses keyboard input. It uses the *img* directory to get the image selected by the user. So make sure the image you want to use are in the *img* directory.

All the image extension that are permitted in the program are:

- ICO(Icon)/CUR(Cursor)/BMP, PNM (PPM/PGM/PBM), XPM, LBM(IFF ILBM), PCX, GIF, JPEG, PNG, TGA, TIFF, and XV
- the save file the program produces : QTC (rgba image), QTN (black and white image)

During the image selection, the user has to enter the name of the file.
Here is an example of a correct file name :

- img1.qtc
- img2.jpeg
- gif1.gif
- …

and not :

- img/img1.qtc

IMPORTANT : If a file does not exist, the program will stop and display Segmentation fault in the terminal. The error management has not been implemented.

Save

The save action will only create a QTC or a QTN file and save the current tree into the created file.

If a file with this name already exist, it will be replaced.

IMPORTANT : If the action select image has not been executed before the save action, the program will stop and display Segmentation fault in the terminal.
The program does not take a default image during the execution.