

# Report

## Difficulties

The difficulties we encountered during the conception of this project was:

- Creation of the module Compression and Decompression : Both modules can't be tested without the other. And the bugs that are created from both modules are extremely hard to correct because we don't exactly know if an error occurred because of the Compression module or the Decompression module.

## Bugs

- Image selection :
  - Executing a save action or a minimization action before selecting an image will result in a Segmentation fault. The program does not select a default image.
  - The QTN or MTN images that are saved from PNG file can cause a Segmentation fault when trying to display the Quadtree
  - If the input file name does not exist in the img director, it will cause a Segmentation fault. Error management has not been implemented for the image selection
- Save the minimized tree :
  - Even if the tree is not minimized, it can be saved in a GMC or GMN file. Make sure the button minimize quadtree has been pressed before the save minimized Quadtree action.
  - Same thing with the save Quadtree rgba/Black & White, the user can save a minimized tree into the QTC or QTN file. Make sure to not press the save rgba/Black & White buttons after minimizing the Quadtree.