

Guidelines

- Only grade the work that is in the student or group's GiT repository.
- Double-check that the GiT repository belongs to the student or the group. Ensure that the work is for the relevant project and also check that "git clone" is used in an empty folder.
- Check carefully that no malicious aliases were used to fool you and make you evaluate something other than the content of the official repository.
- To avoid any surprises, carefully check that both the evaluator and the evaluated students have reviewed the possible scripts used to facilitate the grading.
- If the evaluated student has not completed that particular project yet, it is mandatory for this student to read the entire subject before starting the defense.
- Use the flags available on this scale to signal an empty repository, non-functioning program, norm error, cheating etc. In these cases, the grading is over and the final grade is 0 (or -42 in case of cheating). However, except for cheating, you are encouraged to continue to discuss your work (even if you have not finished it) to identify any issues that may have caused this failure and avoid repeating the same mistake in the future.

Attachments

 [subject.pdf](#)  [minilibx_opengl.tgz](#)  [minilibx_mms_20200219_beta.tgz](#)

Preliminaries

Search at least for Mandelbrot's and Julia's sets on Wikipedia or watch the e-learning videos to have an idea of what it must look like.

Vital minimum

Is the vital minimum implemented?

- Repository isn't empty.
- Norminette shows no errors.
- No cheating.
- No forbidden function/library.
- The projects compiles, the executable is properly named 'fractol'.
- During execution there is no brutal or unmanaged crash (segfault, bus error, etc...).
- No memory leaks.

 Yes

 No

Does it work?

Evaluation of the following points

Does it work?

Evaluation of the following points

Graphic management

Is the graphic management accurate?

- When the program runs, there is at least a graphic window.
- ESC key exits properly the program.
- There is a visual evolution when using the mouse wheel (even if wrong, we're just checking the event management here).



Julia

How does the Julia set behave?

- Does it looks like Julia fractal set (search on the internet if you're not sure!).
- Is it possible to zoom in and out and make the basic pattern repeat?
- Compare with some pictures that Google can give you if you search "Julia set": You should be able to recreate them using the program parameters.
- Are there colors on the area's outskirts?



Mandelbrot

Mandelbrot

How does the Mandelbrot set behave?

- Is it possible to zoom in and out and make the basic pattern repeat?
- Compare with some pictures that Google can give you if you search "mandelbrot set": they all look alike you can't miss it.
- Are there colors on the area's outskirts?

✓ Yes

✗ No

Parameters management

Is the parameter's management implemented according to the subject?
Are wrong parameters correctly handled? (some extensions can be accepted in case of bonuses).

✓ Yes

✗ No

MLX IMAGE

Check that the code uses mlx images and not put pixel!

✓ Yes

✗ No

Bonus

Bonus

A lot of cool stuff

Zoom follows the mouse

The zoom works where the mouse is and not only at the center of the image.

✓ Yes

✗ No

Arrows

It's possible to move the view window using arrows. It also works with the zoom (if we move on the left for example the image moves slightly to the left, whatever the zoom is).

✓ Yes

✗ No

Colors

The color palette is awesome.

- Either you say Ouhaaa because it's very beautiful.
- Either you say Ouhaaa because it's insanely psychedelic.
- Either you say Ouhaaa because the color changes.

✓ Yes

✗ No

SCALE FOR PROJECT FRACT-OL

You should evaluate 1 student in this team



Git repository

git@vogsphere.msk.21-9



Introduction

Please respect the following rules:

- Remain polite, courteous, respectful and constructive throughout the evaluation process. The well-being of the community depends on it.
- Identify with the person (or the group) graded the eventual dysfunctions of the work. Take the time to discuss and debate the problems you have identified.
- You must consider that there might be some difference in how your peers might have understood the project's instructions and the scope of its functionalities. Always keep an open mind and grade him/her as honestly as possible. The pedagogy is valid only if the peer-evaluation is conducted seriously.

The color palette is awesome.

- Either you say Ouhaaa because it's very beautiful.
- Either you say Ouhaaa because it's insanely psychedelic.
- Either you say Ouhaaa because the color changes.



A third fractal

There is at least one more fractal !! (working, cool and it's for real).



Ratings

Don't forget to check the flag corresponding to the defense

