(https://profile.intra.42.fr)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT PARTICLE-SYSTEM (/PROJECTS /42CURSUS-PARTICLE-SYSTEM)

You should evaluate 1 student in this team



Git repository

git@vogsphere.msk.21-school.ru:vogsphere/intra-uuid-65755f84-e86a-49



Introduction

To ensure this evaluation goes smoothly, please respect the following set of rules :

- Please remain courteous, polite, respectful and constructive at all times during this exchange. The trust bond between the school's communauty and yourself depends on it.
- Should you notice any malfunctions within the submitted project, make sure you take the time to discuss those with the student (or group of students) being graded.
- Keep in mind that some subjects can be interpreted differently. If you come accross a situation where the student you're grading has interpreted the subject differently than you, try and judge fairly whether their interpretation is acceptable or not, and grade them accordingly. Our peer-evaluation system can only work if you both take it seriously.

Guidelines

- You may only evaluate whatever is in the GiT submission directory of the student you are grading.
- Make sure to check wether the GiT submission directory belongs to the student (or group) you're grading, and that it's the right project.
- Make sure no mischievous aliases have been used to trick you into correcting something that is not actually in the official submitted directory.
- Any script created to make this evaluation session easier whether it was produced by you or the student being graded - must be checked rigorously in order to avoid bad surprises.
- If the student who is grading this project hasn't done the project him/herself yet, he/she must read the whole topic before starting the evaluation session.
- Use the flags available to you on this scale in order to report a submission directory that is empty, non-functional, that contains

a norm errors or a case of cheating, etc... In this case, the evaluation session ends and the final grade is 0 (or -42, in case of cheating). However, unless the student has cheated, we advise you to go through the project together in order for the two (or more) of you to identify the problems that may have led for this project to fail, and avoid repeating those mistakes for future projects. **Attachments** subject.pdf (https://cdn.intra.42.fr/pdf/pdf/19214/en.subject.pdf) **Preliminaries and constraints** If one of the constraints asked for isn't met, do not grade further. Render Launch the program. Is there particles rendered in the window? Is it possible to initialize the particles in the shape of a sphere and a cube ? ✓ Yes \times No Libraries check Check the use of OpenCL 1.2 and OpenGL 4.0 (minimum) and the interoperability between them. While you're doing this, look for the following memory synchronization functions: $cl Enqueue Acquire GLO bjects\ and\ cl Enqueue Release GLO bjects.$ ✓ Yes \times No Performances 1 Launch the program with at least one million particles and check that it runs smoothly at 60 fps. \times No Performances 2 Launch the program with at least three million particles and check that it runs at 20 fps. \times_{No} ✓ Yes **Memory allocation** All the particles must be allocated on the VRAM (video memory). Launch the program with a million particles and check the memory usage in the activity monitor (by searching for the name of the executable), then repeat with three million particles, the memory must not triple. ✓ Yes \times_{No}

Let's have some fun

	a gravity center that attro	acts the				
particles?						
	✓ Yes		×	No		
Moving gravity ce	enter					
Can the cursor act as	a moving gravity center?					
	√ Yes		×	No		
Colors						
Are there colors? Are cursor and the particl	they depending on the d	istance between the				
	✓ Yes		×	No		
Bonuses						
Camera						
Is there a camera? It s mouse.	should be able to move w	vith WASD or the				
	⊗ Yes		×	No		
Emitters						
ls it possible to put en with life span.	nitters? They have to gene	erate particles				
	√ Yes		×	No		
Other bonuses						
Give some points for	every other cool bonuses	i.				
	R	tate it from 0 (failed) thro	ugh 5 (excellent)			
Ratings Don't forget to check	the flag corresponding to	o the defense				
Don't forget to check the flag corresponding		★ Outstanding project				
Empty work	lncomplete work	No author file	Invalid compilation	Norme	🖷 Cheat	

Conclusion

Leave a commen	nt on this evaluation		
		Finish evaluation	

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