

You finished this assignment

Grade received 95.83%

Go to next item

12 / 12 points

ructions	:=
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Upload a zip file co	entaining 3D Sine Games here.		
Remember to inclu	ide all the files needed to run your code, not just the sketch.js file. Do NOT encrypt/obfuscate your code.		
3DSinGames-Template.zip L*			
Grading Rubric			
A grid of tiles of t	the right size, spread over the right area has been produced.		
O points	Not completed		
O 1 point	Reasonable attempt, but doesn't quite work		
2 points	Complete		
Correct material	and stroke is on display.		
O points	No attempt or incorrect material/stroke		
1 point	Complete		
Structure is wavy	like the demo at the top of the page.		
0 points	Not completed		
1 point	Reasonable attempt, but doesn't quite work		
2 points	Complete		
Camera flies aro	und like in the demo at the top of the page.		
O points	Not complete		
1 point	Complete		
Confetti appear	on top of structure like in the demo, at random locations and random angles, but do not necessarily animate.		
O points	Not attempted		
O 1 point	Reasonable attempt but doesn't quite work		
2 points	Complete		
Confetti is falling	downwards and is also rotating. When it reaches 0 on the y axis it resets to the top.		
0 points	Not complete		
1 point	Complete		

 Customize the sketch by adding different materials that are affected by lights and add lights. Look at the p5.js documentation on lights and materials if needed Can you add a different material only to the cubes and not the confetti? HINT: think back to push and pop. Create some p5.js sliders to make some of your variables for the cube grid dynamic, for example the height of the cubes or the speed of the sine wave or 	
Create some p5. js sliders to make some of your variables for the cube grid dynamic, for example the height of the cubes or the speed of the sine wave or	
potentially resolution of the 2D noise.	
O points Not really	
1 point Yes, something is there, but not much extra work has been put in	
2 points Yes! Learner implemented one idea very well or more things but not very impressively	
Yes! Learner really pushed themselves by doing 2 or more extensions to an impressive level. Reserve this for impressive submissions	
Grader, please briefly comment on any/some of the following bullet points.	
Positives	
Has the learner exceeded what has been asked of them?	
Has an aspect of the learners submission surprised you, the grader, in any way? Is the learners sketch unique?	
Does the learner's submission demonstrate a deep understanding of the concepts covered in class?	
Negatives	
Is there a specific aspect of the topics covered that you feel the learner should revisit?	
Any recurring mistakes that the learner made?	
Excellent submission. You showed high graphics programming level here. Good luck!	
averageFace.Template zin [7]	
averageFace-Template.zip C* Grading Rubric	
Grading Rubric	
Grading Rubric Images loaded successfully using a for-loop (a code check is required).	
Grading Rubric Images loaded successfully using a for-loop (a code check is required). O points No attempt.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. 1 point Reasonable attempt, but doesn't quite work.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. I point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. I point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way. Face appears on the left, grey canvas on the right.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. 1 point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way. Face appears on the left, grey canvas on the right. O points No attempt or step has not been achieved.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. 1 point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way. Face appears on the left, grey canvas on the right. O points No attempt or step has not been achieved. 1 point Step has been achieved.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. 1 point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way. Face appears on the left, grey canvas on the right. O points No attempt or step has not been achieved. 1 point Step has been achieved. Image initialised correctly within setup() function (a code check is required).	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. 1 point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way. Face appears on the left, grey canvas on the right. O points No attempt or step has not been achieved. I point Step has been achieved. Image initialised correctly within setup() function (a code check is required). O points No attempt or step not achieved.	
Images loaded successfully using a for-loop (a code check is required). O points No attempt. 1 point Reasonable attempt, but doesn't quite work. 2 points Step has been achieved the right way. Face appears on the left, grey canvas on the right. O points No attempt or step has not been achieved. Image initialised correctly within setup() function (a code check is required). O points No attempt or step not achieved. Image initialised correctly within setup() function (a code check is required). O points No attempt or step not achieved.	

1 point Step has been achieved.	
Face appears on the left, red canvas on the right. Conversion from 2D to 1D coordinates has taken place (a code check is required).	
O points Not attempted or step not achieved.	
1 point Reasonable attempt, but doesn't quite work.	
Step has been achieved.	
Average image appears on right side of the canvas.	
O points Not attempted or step not achieved.	
1 point Reasonable attempt but doesn't quite work.	
2 points Average image appears on the right side of the canvas.	
Has the learner implemented ideas for further development? They will need to have paid attention to this hint in the step: Do not remove the noLoop() from the end of draw(), simply call loop() at the end of the user input functions mentioned below.	
How would you change the code so that the image drawn on the left is a random face from the array of faces rather than just the first one, with a new random	
face selected using the keyPressed() function? • Could you have the pixel values of the second image transition between the randomly selected image and the average image based on the mouseX value?	
HINT: Use the p5 lerp() function, read the documentation to understand what you need to do. Points awarded based on whether the solutions to the ideas for further development were correctly implemented.	
O points No.	
1 point Yes, they have attempted one or both but neither are quite working.	
2 points Yes, they have at least one working.	
3 points Yes, they have successfully implemented both ideas.	
Grader, please briefly comment on any/some of the following bullet points.	
Positives	
Has the learner exceeded what has been asked of them?	
 Has an aspect of the learners submission surprised you, the grader, in any way? Is the learners sketch unique? Does the learner's submission demonstrate a deep understanding of the concepts covered in class? 	
Negatives	
Is there a specific aspect of the topics covered that you feel the learner should revisit?	
Any recurring mistakes that the learner made?	
Excellent work. You implemented all the requirements, including the suggested extensions. Keep up this high level, and good luck!	
Upload a zip file containing Your Own Instagram Filter .	11 / 12 point
Remember to include all the files needed to run your code, not just the sketch.js file. Do NOT encrypt/obfuscate your code.	
instagramFilter-Template.zip 🖸	
Grading Rubric	
Sepia filter has been implemented successfully and images look very similar to the ones provided by the instructor.	
O points Not attempted.	

1 point

Reasonable attempt, but doesn't quite work.

Vignetting has b	een achieved using the map() and constrain() functions (code check required) and results look very similar to the ones provided by the instructor.	
O points	No attempt.	
O 1 point	Reasonable attempt but doesn't quite work.	
2 points	Step has been achieved.	
	been achieved using the map() and constrain() functions (code check required). Clicking on the face of the boy in the color image replicates the by the instructor.	
O points	Not attempted.	
O 1 point	Reasonable attempt but doesn't quite work.	
3 points	Step has been achieved.	
Borders recreate	ed using the technique suggested by the instructor.	
O points	No attempt	
O 1 point	Reasonable attempt but doesn't quite work.	
2 points	Step has been achieved.	
Did the learner f	urther develop the sketch by implementing some logic to switch between different filter effects on the second image?	
On key press change between a set number of different "filters", perhaps try to combine different kernels (stored in the variable called "matrix") with different pixel color effects like the sepia color effect, for example grey scale is another effect. Make sure that the first effect visible when the sketch is loaded is the sepia effect with the radial blur and dark corners as per the above instructions, do not change the logic of applying the radial effect on mouse pressed. Beneath the images include written instructions about which key or keys to press. Include comments in the code about what you have done.		
Points awarded	to ambitious learners.	
O points	Not attempted.	
O 1 point	Attempted, but not working.	
2 points	Successful logic to switch to one other basic filter covered in class material and back again. Or can switch between multiple filters, but UI instructions for key press are missing, or there are no code comments in messy code, or radial blur functionality was broken.	
3 points	Successful switching between filters. Learner has a clean and clear UI and preserved the radial blur and/or has gone above and beyond filters taught in class material.	
Grader, please	briefly comment on any/some of the following bullet points.	
Positives		

2 points

Step has been achieved.

- Has the learner exceeded what has been asked of them?
- Has an aspect of the learners submission surprised you, the grader, in any way? Is the learners sketch unique?
- Does the learner's submission demonstrate a deep understanding of the concepts covered in class?

Negatives

- Is there a specific aspect of the topics covered that you feel the learner should revisit?
- Any recurring mistakes that the learner made?

Good job here. You showed very good graphics programming here and achieved all these task requirements. I see room for development to improve the $implemented\ extension\ and\ the\ switching\ between\ different\ filters'\ functionality.\ Keep\ this\ good\ work\ up,\ and\ good\ luck!$

Remember to include all the files needed to run your code, not just the sketch.js file. Do NOT encrypt/obfuscate your code.

webcam-piano.zip 🖸	
Grading Rubric	
Renaming of backlmg to previmg has taken place.	
Opoints Not attempted.	
1 point Step has been achieved.	
Frame differencing implemented by moving prevlmg around.	
O points Not attempted.	
1 point Reasonable attempt, but doesn't quite work.	
2 points Step has been achieved.	
Learner has included Grid.js correctly and grid activates with movement.	
O points Not attempted.	
1 point Reasonable attempt but doesn't quite work.	
Step has been achieved.	
Learner has included blur in order to reduce the amount of noise that activates the grid.	
O points Not attempted.	
1 point Reasonable attempt, but doesn't quite work.	
Step has been achieved.	
Learner has scaled down images processed (currImg, diffImg) so that the sketch runs fast after blurring has slowed it down.	
O points Not attempted.	
1 point Reasonable attempt, but doesn't quite work (still runs slowly)	
2 points Step has been achieved.	
How much has the learner extended the sketch? Learner has included comments about the extension and shows understanding of techniques learnt throughout to course.	he
• Customize the graphics. In Grid.js you could customize the base grid of graphics thinking about color, opacity or shape. Can you make use of <i>noteState</i> to drive different effects that change over time after the note been activated?	: as
Trigger secondary graphics effects or animations when an active note is drawn. Can you include rules that only trigger the effects sometimes, perhaps making use of noise or randomness?	

- $\bullet \quad \text{Implement the core p5.} js sound \ library \ to \ play \ sounds \ depending \ on \ which "note" in \ the \ grid \ is \ activated.$
- Implement a custom "Note" class that is used in Grid.js. Instead of an array of values for *noteSize*, *notePos* and *noteState* you would have an array of notes.

 Think about what parameters you would need for the Note constructor method and what other methods the Note class would need, both the methods needed to adapt the

existing functionality from the Grid.js code and any custom methods you would like to add.

O points	No attempt.
O 1 point	Learner has implemented one idea well, or both ideas or just the second idea is attempted very basically or poorly.

2 points	Learner has implemented two ideas to a satisfactory level.
3 points	Learner has impressed you with their extension, either implementing more than two ideas, or demonstrating advanced techniques, or has combined animations or sound in interesting and creative ways.

$\label{lem:comment} \textbf{Grader}, \textbf{please briefly comment on any/some of the following bullet points.}$

Positives

- Has the learner exceeded what has been asked of them?
- $\bullet \quad \text{Has an aspect of the learners submission surprised you, the grader, in any way? Is the learners sketch unique?}\\$
- $\bullet \quad \text{Does the learner's submission demonstrate a deep understanding of the concepts covered in class?}\\$

Negatives

- Is there a specific aspect of the topics covered that you feel the learner should revisit?
- Any recurring mistakes that the learner made?

Excellent work. You achieved all the requirements of this task, including the suggested extensions. Keep up this high level, and good luckl