Due Jun 27, 1:00 PM WAT

You finished this assignment

Grade received 80%

Go to next item

9 / 11 points



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1. Upload a zip file containing Solar System here. Remember to include all the files needed to run your code, not just the sketch.js file. Do NOT encrypt/obfuscate your code. solarSystem-mid.zip Edit your response The submission does not contain any text. **Grading Rubric** Earth is at the right orbit. O points Not attempted 1 point Earth is at the right orbit Earth rotates around the sun. O points Not attempted 1 point Reasonable attempt, but doesn't quite work 2 points Earth rotates around the sun Earth rotates around its axis and all earthlings get to see the sun. O points Not attempted 1 point Reasonable attempt, but doesn't quite work 2 points Earth rotates around it's axis and all earthlings get to see the sun a) Moon is at the right orbit b) rotates around the earth c) always shows the same side (one point each). O points Not attempted 1 point One of a, b, c has been achieved 2 points Two of a, b, c has been achieved 3 points All of a, b, c have been achieved Sun is spinning on its axis at a reasonable speed. 0 points Incomplete 1 point Completed

 $Has the \ learner\ challenged\ themselves\ by\ implementing\ one\ of\ the\ ideas\ for\ further\ development\ proposed?$

- What if the moon had an asteroid that was stuck in orbit around the moon? Can you add a smaller celestial body that is rotating around the moon.
- Pretend that earth, like Mars, has two moons. Can you add another different sized moon that rotates around the earth at a different speed with a different distance from the earth? This moon should also only show the one side to the earth.

| O points | Not attempted | |
|-----------------------|--|----------------|
| 1 point | Partially attempted, but not quite working | |
| 2 points | Completed | |
| | | |
| Grader, please br | iefly comment on any/some of the following bullet points. | |
| Positives | | |
| | ner exceeded what has been asked of them? | |
| | ct of the learners submission surprised you, the grader, in any way? Is the learners sketch unique? Arner's submission demonstrate a deep understanding of the concepts covered in class? | |
| Negatives | and a submission demonstrate a deep understanding of the concepts covered in class. | |
| | ecific aspect of the topics covered that you feel the learner should revisit? | |
| | ng mistakes that the learner made? | |
| | There is an issue with the moon functionality. It does not always show the same side to the Earth. This is because of the missed nesting translating ation. The moon/s needs to be inside the Earth translate method and the use of Pop and Push, and their positions need to be fixed | |
| | | |
| | | |
| Unload a zin filo con | trining Askanside Come Claus have Demonstrate include all the files peeded to you your ends not just the elected in file De NOT appropriate include all the files peeded to you your ends | 40.145 |
| your code. | taining Asteroids Game Clone here. Remember to include all the files needed to run your code, not just the sketch.js file. Do NOT encrypt/obfuscate | 12 / 16 points |
| asteroidGameClone- | <u>-mid.zip</u> | |
| Grading Rubric | | |
| | ges() function is correct | |
| buttetsystem.js ed | gest) function is correct | |
| O points | Incomplete | |
| 1 point | Completed | |
| spacoship is intera | action() function is correct. | |
| spacesiiip.js iiiteia | iction() function is correct. | |
| O points | Incomplete | |
| 1 point | Completed | |
| | | |
| Spaceship moves | correctly. No friction in space and velocity limited by maxVelocity. | |
| O points | Not attempted | |
| O 1 point | Reasonable attempt but doesn't quite work | |
| 2 points | Completed | |
| O 2 points | ovinpleted . | |
| sketch.js isInside() | function works as it should. | |
| O points | Incomplete | |
| ① 1 point | Completed | |
| _ I point | Completed | |
| If asteroid hits spa | ceship: game ends. | |
| 0 points | Incomplete | |
| | | |
| 1 point | Completed | |
| If asternid crashes | on earth: game ends. | |

| O points | Incomplete | | |
|--|---|--|--|
| 1 point | Completed | | |
| | | | |
| If spaceship cra | shes on earth, game ends. | | |
| O points | No | | |
| 1 point | Yes, the came does end | | |
| | | | |
| If spaceship insi | de atmosphere: call the spaceship's setNearEarth() function. | | |
| O points | Incomplete | | |
| 1 point | Completed | | |
| | | | |
| If spaceship insi | de atmosphere, earth pulls it towards it, air friction affects movement. | | |
| O points | Not attempted | | |
| 1 point | Reasonable attempt but doesn't quite work | | |
| 2 points | Completed | | |
| | | | |
| If any bullet hits | asteroid: destroy asteroid. | | |
| O points | Incomplete | | |
| 1 point | Completed | | |
| | | | |
| | challenged themselves by implementing two of the ideas for further development proposed? | | |
| | spaceship pretty by adding jets thrusters which activate from the opposite side of movement just like on a real spaceship. e of how many asteroids you have hit. | | |
| | program get progressively harder by spawning asteroids more frequently as time goes by. | | |
| Make it yo | our own by customising the look of the game (make sure you maintain same functionality or you might lose points during grading). | | |
| O points | Not really | | |
| 1 point | Yes, something is there, but not much extra work has been put | | |
| 2 points | Yes! Learner implemented one idea very well or more things but not very impressively | | |
| 4 points | Yes! Learner really pushed themselves by doing 2 or more extensions to an impressive level. Reserve this for truly 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 as | Has an aspect of the learners submission surprised you, the grader, in any way? Is the learners sketch unique? | | |
| • Does the | | | |
| Negatives | | | |
| Is there a specific aspect of the topics covered that you feel the learner should revisit? | | | |

3. Upload a zip file containing Angry Bird Clone here.

• Any recurring mistakes that the learner made?

Good job. The movement inside the atmosphere needs further improvement.

Grading Rubric

| Propeller in right place approx. | | |
|--|---|--|
| O points | Not attemped | |
| 1 point | Completed | |
| | | |
| Propeller move | s with left/right arrow. | |
| 0 points | Not attempted | |
| 1 point | Completed | |
| a) Birds are drav | wn when pressing 'b' and interact with propeller. | |
| b) Removed fro | m world and array when off-screen. | |
| O points | Not attempted or achieved | |
| O 1 point | One of a or b achieved | |
| 2 points | Both of a and b acheived | |
| | | |
| a) Box tower is i | in the right place approx. | |
| | ons of example provided. | |
| c) Boxes use mu | ultiple colors. | |
| O points | Not attempted | |
| O 1 point | One of a, b, c, achieved | |
| 2 points | Two of a, b, c, achieved | |
| 3 points | All of a, b, c, achieved | |
| a) Slingshot app | pears in right place. | |
| b) Has the right | stiffness. | |
| c) Slingshot bird | d has enough mass to demolish tower. | |
| O points | Not attempted | |
| O 1 point | One of a, b, c achieved | |
| 2 points | Two of a, b, c achieved | |
| 3 points | All of a, b, c achieved | |
| | | |
| | implemented at least one of the ideas for further development? Have they challenged themselves? | |
| | to a game. Create a countdown. The player has a 60 seconds to remove all boxes from the screen. If they succeed, they win. If they fail, looping stops ME OVER message is displayed. | |
| | our own by changing the colors and style. | |
| Add another physics object that adds to the gameplay in a fun way. | | |
| O points | Not really. Minimal changes | |
| 1 point | Yes, learner has implemented at least one idea for further development to a satisfactory degree | |
| 2 points | Learner has implemented 1 idea to an impressive degree | |
| O 3 points | Learner has implemented ideas to a really impressive degree. Please reserve this for truly unique, surprising, thoughtful submissions that show deeper understanding of the concepts presented in class | |

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?

8 / 10 points

 $Very\ good\ work.\ You\ showed\ very\ good\ coding\ skills.\ However, Is eeroom\ for\ development\ to\ attempt\ more\ advanced\ extensions.$

| Upload a zip file containing Noisy Grid here. | | |
|---|--|--|
| Remember to include all the files needed to run your code, not just the sketch.js file. Do NOT encrypt/obfuscate your code. | | |
| noisyGrid-mid.zip | | |
| Grading Rubric | | |
| Tiles are of the right size and spread on canvas. | | |
| O points Incomplete | | |
| 1 point Completed | | |
| Colors change organically over time. | | |
| O points Incomplete | | |
| 1 point Partially completed but not quite working | | |
| 2 points Completed | | |
| © 2 points Completed | | |
| mouseX affects how fast the grid colors change. | | |
| O points Incomplete | | |
| 1 point Completed | | |
| | | |
| "Compasses" (lines) setup correctly and at the center of each tile. | | |
| O points Incomplete | | |
| (a) 1 point Completed | | |
| | | |
| "Compasses" (lines) move organically over time. | | |
| O points Incomplete | | |
| 1 point Partially completed, but not quite working | | |
| ② 2 points Completed | | |
| | | |

 $Has the learner implemented at least {\color{red}two} of the ideas for further development? Have they challenged themselves? \\$

mouseX affects how fast the "compasses" (lines) rotate.

Incomplete

Completed

0 points

1 point

| Make it yo | our own by changing the colors and style. | |
|--|--|--|
| Use the noise to change the color and length of the compass lines. | | |
| | | |
| | | |
| | | |
| O points | Not really | |
| O 1 point | Learner has implemented at least one idea for further development | |
| 2 points | Learner has implemented two ideas for further development to an impressive degree. Reserve this for truly 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?

 Good work. However, the effect of the mouse functionality needs further improvement. Try to add more advanced extensions to improve the submission's