

INSTRUCTIONS:

Goal of the Project:

In the last few classes, you have learned how to add a physics engine in the javascript games to make it look more attractive. In this project, you will apply what you have learned in the classes to create a game using a physics engine.

Story:

You have got a chance to participate in a Game Creating Coding Contest. You need to submit your creation which uses the OOP concept and physics Engine.

Getting Started:

1. Click on the following link: [Project Template](#) and download
2. Open VS code editor.
3. Click on "File"
4. Click on "Open Folder"
5. Select your Project Template folder
6. Click on "sketch.js"

Specific Tasks to complete the Main Goal:

1. Choose a short abstract story for your physics engine game. Your story could be...
 - A Crane building a Tower brick by brick
 - Demolishing Building
 - Plucking mangoes from the tree by throwing a stone at it
 - Supplying food and medicine in areas flooded using Helicopters.
2. Choose your character for the game and add the character to your project.
 - Code to give it some animation or action.
 - You can use spriteSheets learned during a pirate invasion.

***Note:** You can use **Google > Images > Tools > Type > Clipart** to find characters for your game. You can also look for transparent backgrounds by using **Tools > Colors > Transparent**.

3. Choose the arena or background for your game.
4. Choose obstacles or other props which you want in the game.

5. Design a scoring system for the game.

- Add score if the nature of your game requires you to have one.

6.  your code regularly to check if it works as expected.

7. Find bugs and fix them.

*Refer to the images given above for reference.

Submitting the Project:

1. Click on “**Save**” under the **File menu** to save your project or **Command+s on Mac** and **CTRL+s on windows** systems.
2. Save your project and upload it on Github.
3. Copy the GitHub link and submit it in the Student Dashboard Projects panel against the correct class number.

REMEMBER... Try your best, that's more important than being correct.

After submitting your project your teacher will send you feedback on your work.

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