Briefly Summarize Your Project\*

Your response should be 1-2 paragraphs long, and should include the basic functionality of your project.

A side-scrolling game where the main character bunny needs to get from point A to point B. Along the way the bunny defeats enemies by jumping on top of them. The game will have gravity and collision detector. The bunny starts with several lives. The bunny loses lives if an enemy bites or the bunny fall through the gap on a map. Along the way bunny collects coins.

As a bonus feature, I’d like to add a leader board of gamers with scores using google firebase.

Technologies, Libraries, APIs\*

Include technologies, apis, datasets, or libraries you're tentatively planning to use for your project. Please provide a link for each technology.

Canvas <https://www.w3schools.com/html/html5_canvas.asp>

Vanilla DOM manipulation

Three.js https://threejs.org/

Google firebase https://firebase.google.com/

Backup Idea A\*

You should provide a Backup Idea for your JSP in case there are issues with your initial proposal.

A side-scrolling game where the main character bunny needs to get from point A to point B while learning python. On the top left corner of the game there will be explanation of a concept in python. Along the way the bunny encounters obstacles. To get through an obstacle a player needs to solve easy python coding problems.

As a bonus feature, I’d like to add a leader board of gamers with scores using google firebase. The faster a player solves problems and fewer attempts to answer the problems, the more scores a player gets.

Backup Idea B\*

Data visualization.

Show the map with all countries. On the click the shows the selected country and its statistics (population, GDP, per capita GDP, language, etc.)