



CODE CHALLENGE
CHAMPIONSHIP

KIDCODER MISSION 2

CODE CHALLENGE CHAMPIONSHIP

LEVEL 3 CATEGORY

20
24

Tacos and Donuts Food Truck

Overview:

John loves tacos, and Hazel loves donuts! Your mission is to help them satisfy their cravings by controlling a food truck that delivers tacos and donuts. The food truck moves left and right across the screen and can shoot either tacos or donuts depending on which key you press. Hazel will collect donuts, and John will collect tacos. Your goal is to shoot the correct food item at the right person and keep track of how much they've eaten. Let's see how fast you can fill their plates!

Mission:

In this game, you will control a food truck that moves left and right using the keyboard arrows. **The truck will shoot tacos when the player presses the letter "T" and donuts when the player presses the letter "D"**. Depending on the player's key press, the truck will change its appearance to either a taco truck or a donut truck. John and Hazel will appear randomly in a **specific area** of the screen, with Hazel collecting donuts and John collecting tacos. Whenever Hazel collects a donut, or John collects a taco, they will disappear and reappear at a new random position. Additionally, as a bonus, the game will track the number of donuts collected by Hazel and the number of tacos collected by John.

Useful Hints:

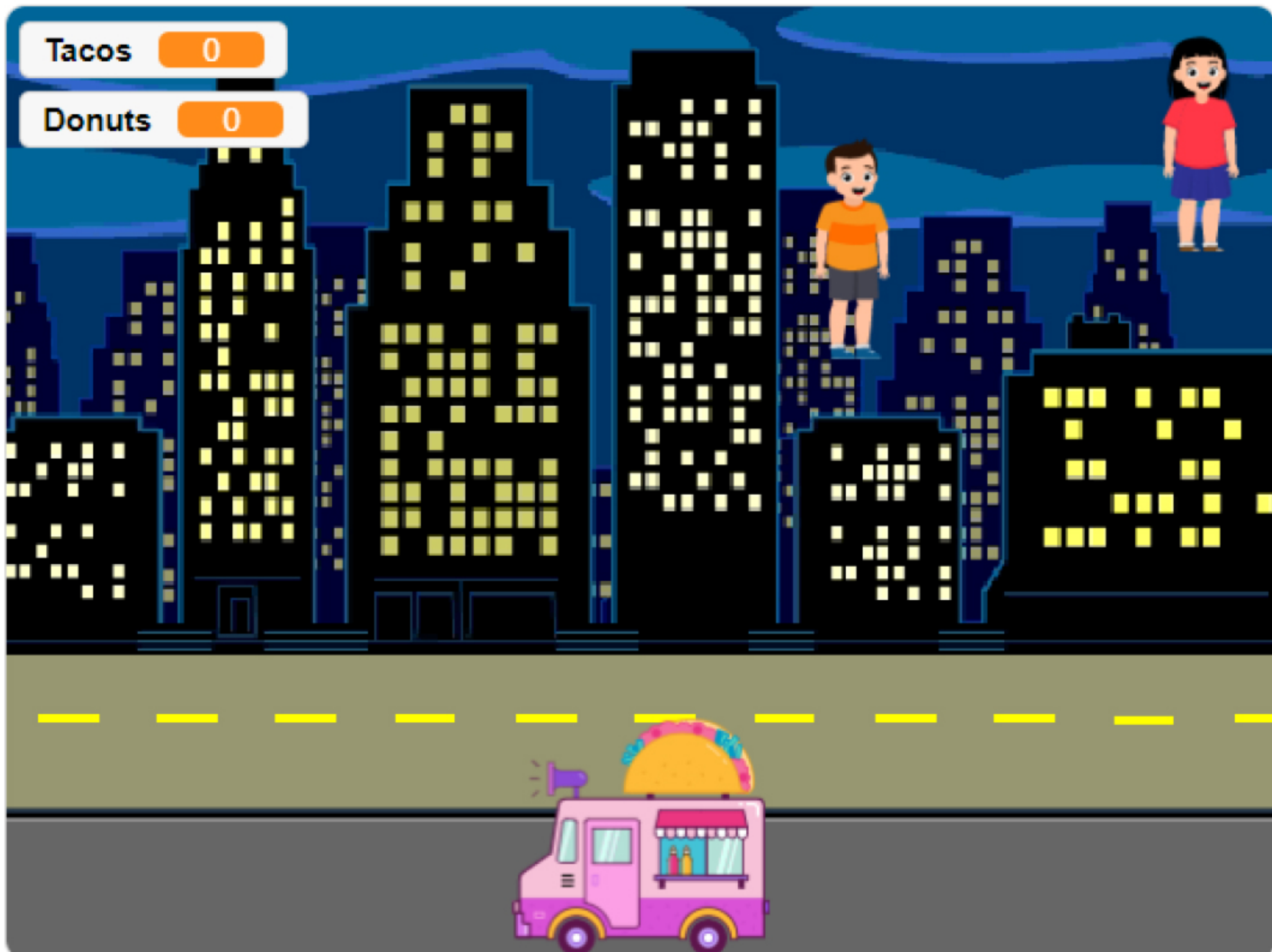
- Use Scratch 3 or PictoBlox to create this game.
- Control the movement of the food truck using the left and right arrow keys.
- Change the shape of the food truck depending on whether tacos or donuts are being shot by pressing **"T" or "D"**, respectively.
- Ensure John and Hazel appear randomly in a specified area on the screen: **X range [-240, 240], Y range [-20, 130]**.
- Keep track of how many donuts Hazel collects and how many tacos John collects.

Useful Hints:

Game Steps:

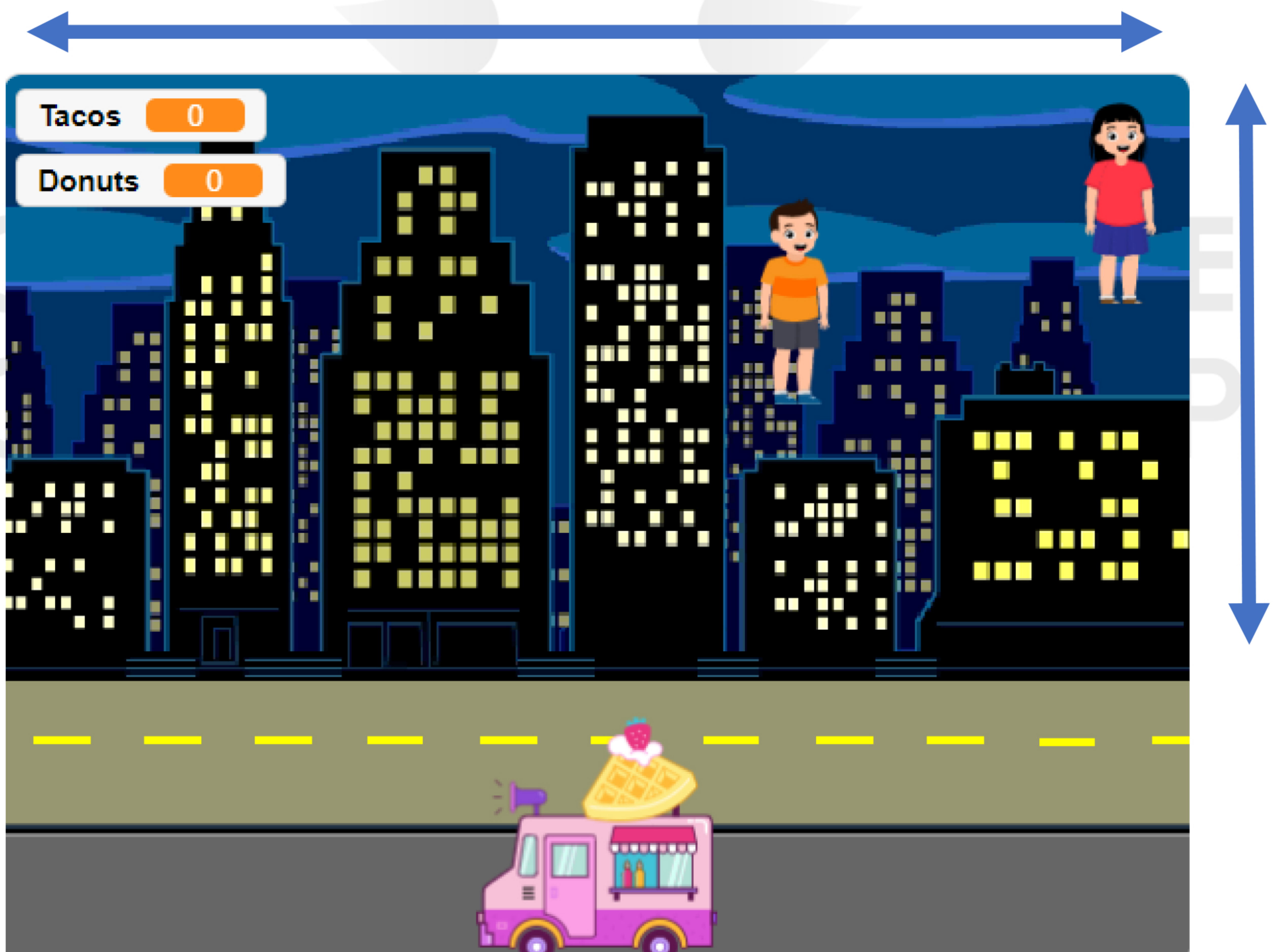
- **Step 1:**

The food truck moves left and right using the keyboard arrows. The truck will change its shape depending on whether **the player presses the "T" key for tacos or the "D" key for donuts.**



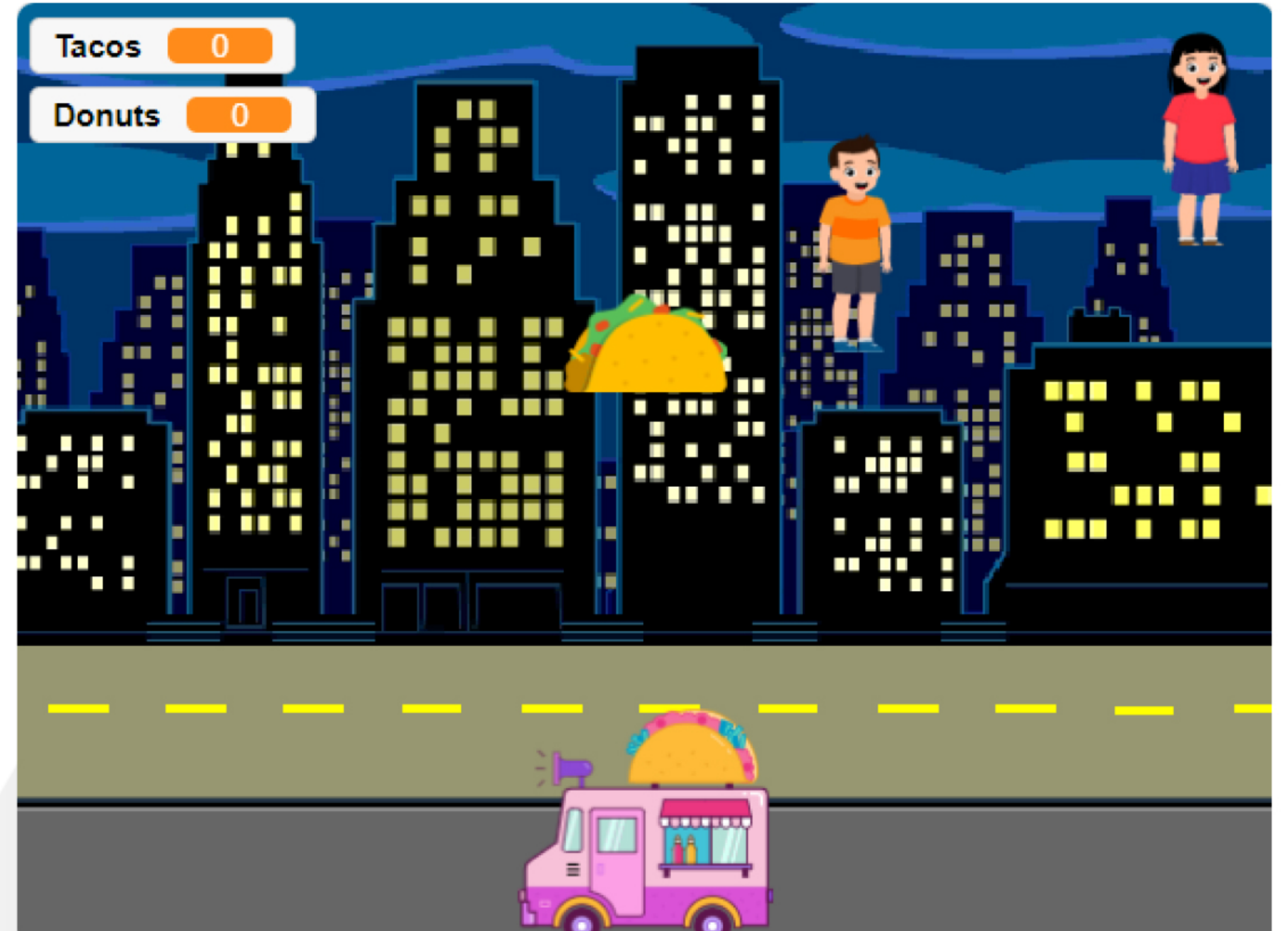
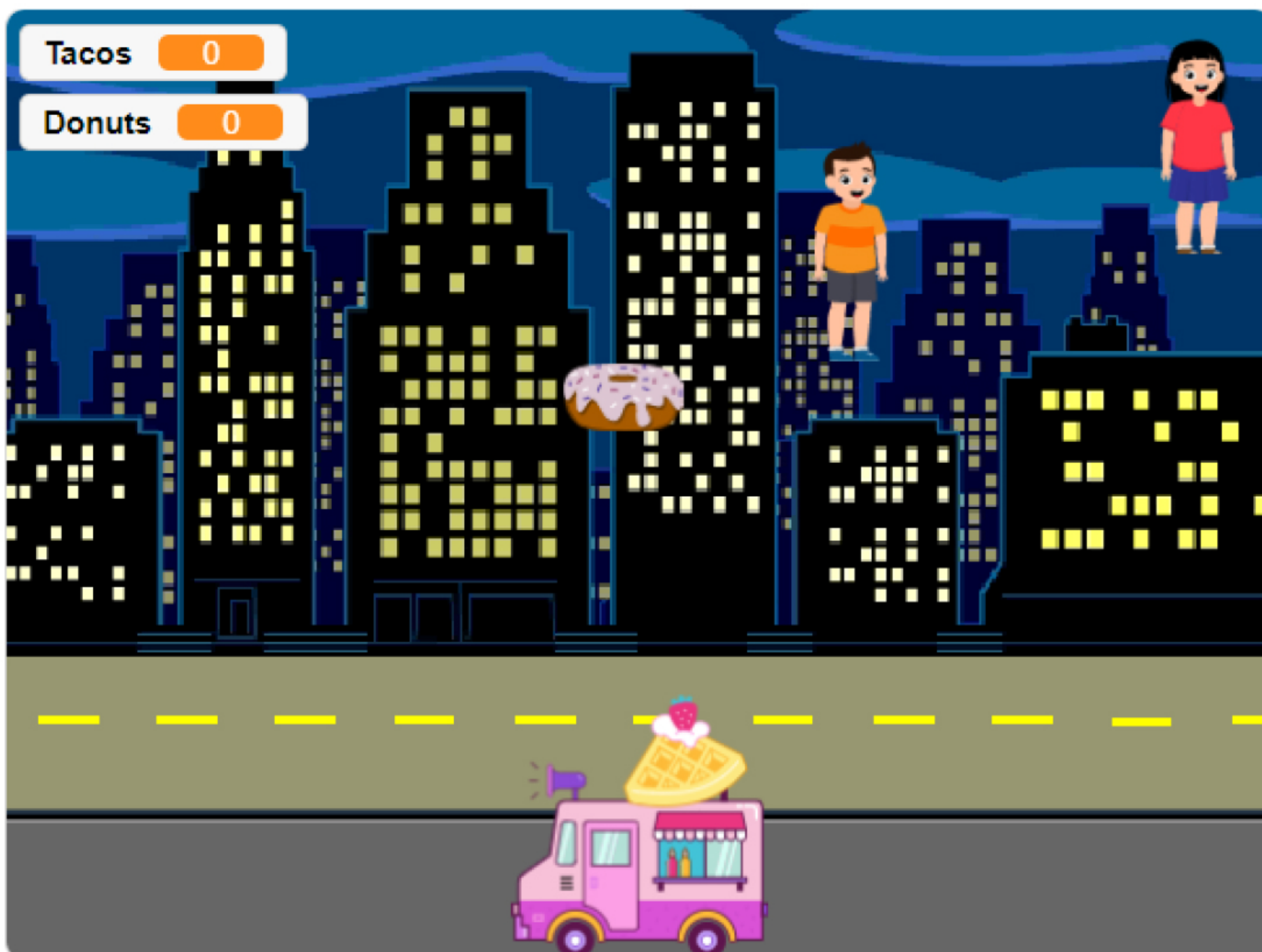
- **Step 2:**

John and Hazel will appear randomly in the specified area. John will be waiting for tacos, and Hazel will be waiting for donuts. **X range [-240, 240], Y range [-20, 130].**



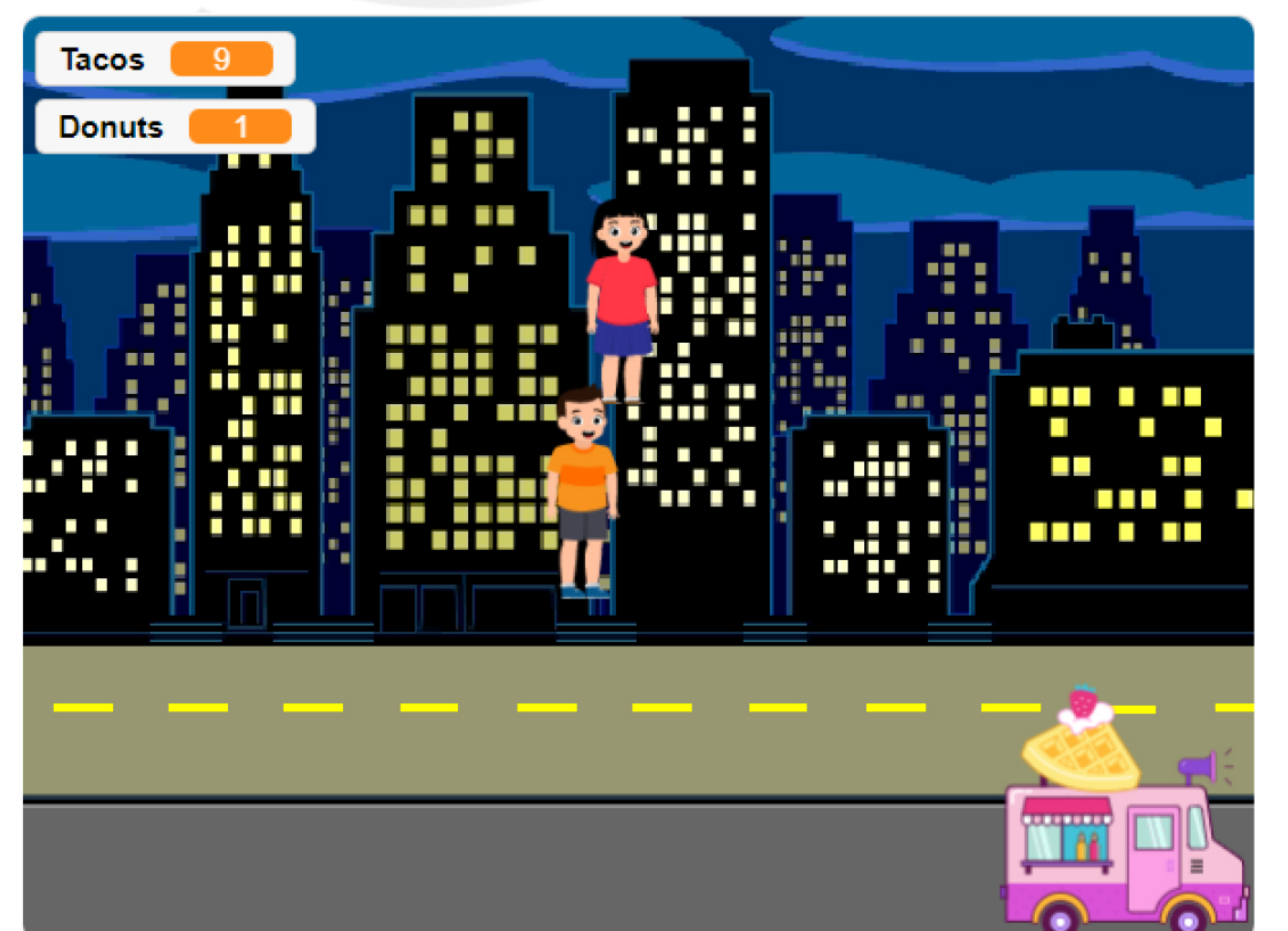
- **Step 3:**

By pressing the "T" key, tacos will be shot toward John, and pressing the "D" key will shoot donuts toward Hazel. The truck will also change shape depending on which food item is being shot.



- **Step 4:**

When a donut touches Hazel, she will disappear and reappear in a new random position within the defined area. The same happens when John receives a taco.



- **Step 5 - Bonus Part:**

Keep a running count of how many tacos John collects and how many donuts Hazel collects and display their scores on the screen.