2020 Sample Presentation

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Corresponds to Scratch Project accessible through this QR Code:

https://scratch.mit.edu/projects/700398549/

Carroll County Cleanup

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Inspired by the KeepCarrollBeautiful project

Participant 1: Hacker
Participant 2: Hipster
Participant 3: Hustler/Hipster

The goal of our game

The point of our game Carroll County Cleanup is for raising awareness of the rising amount of trash left in public areas as well as the wilderness. Our audience is the people of Carrollton Country. The goal of the game is simple:

Clear as much trash as possible from the screen before time runs out.
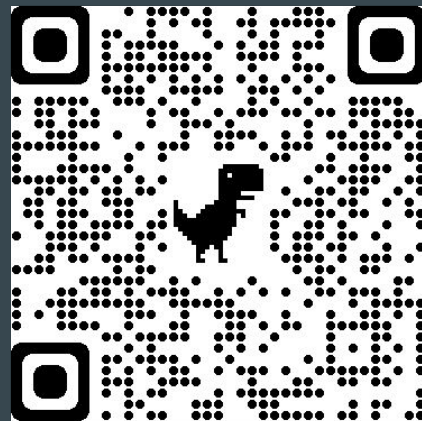
Our game features real places from Carroll County!
Do you know where these are located?

Different forms of trash

# How is this project similar to existing solutions?

The project makes the idea of cleaning fun. It also serves as a practical sense to tell you what can be recycled or not.

What challenges did we face? How did we fix them?

We happened to come across some errors where the trash would duplicate at rapid rates for no reason. We fixed the duplication error by fixing "hiding" trash that could not be seen. There was also an issue with the timer that led screens to not switch or add the counter properly.

How does it all work?

Our code functions by creating a loop of clones that change their "costumes" to appear different. The trash is to be sorted into either a trash can if it is trash, or the recycling bin if it is recyclable.
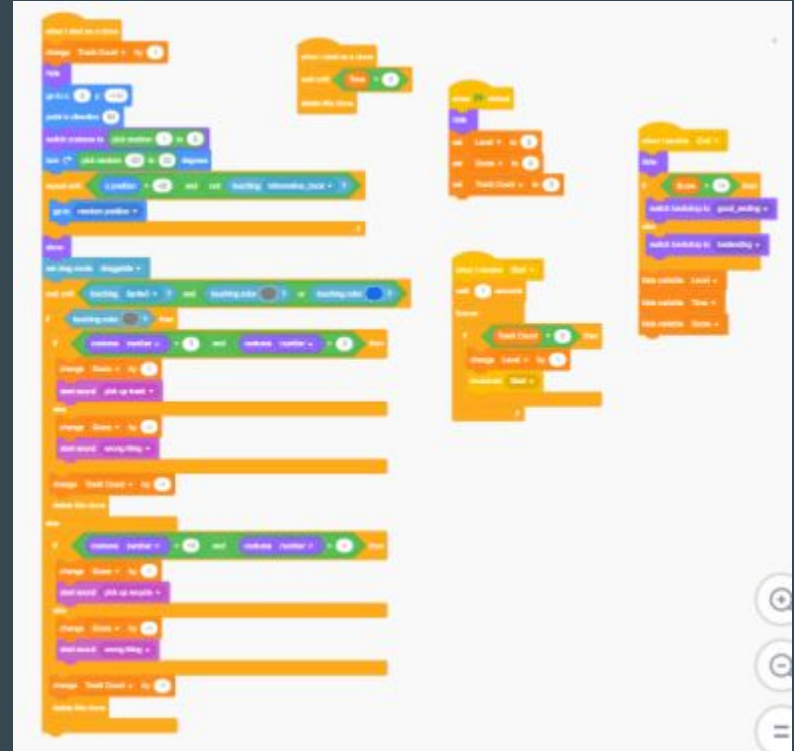
What would we do if we had more time?

We would add more to the design and appeal of the game. We would make it less cluttered and have better functionality. We could also add more special effects to each costume, such as a plastic bag floating in the wind or a piece of trash riding down the river.

2022 Sample Presentation

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Corresponds to Scratch Project accessible through this QR Code:

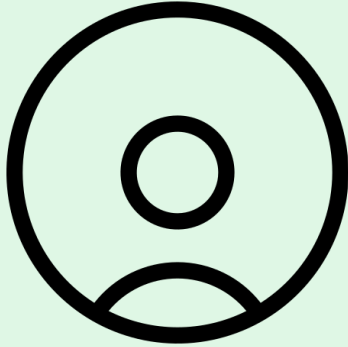https://scratch.mit.edu/projects/700390012/
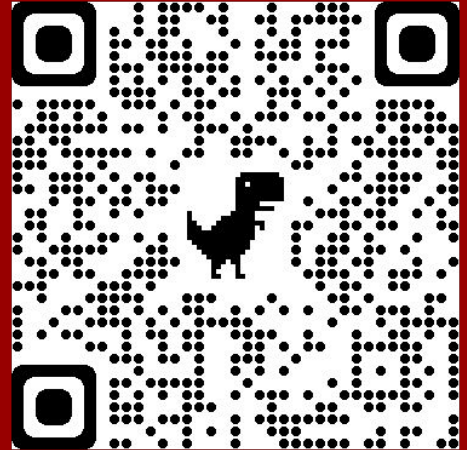
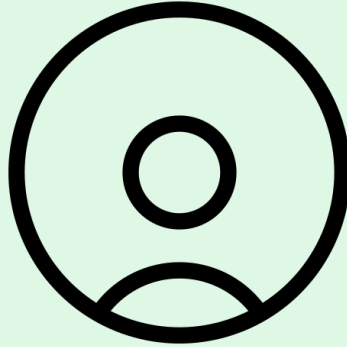# LocateGreenbelt: A solution for the Carrollton Greenbelt

By: Participant 1, Participant 2, Participant 3
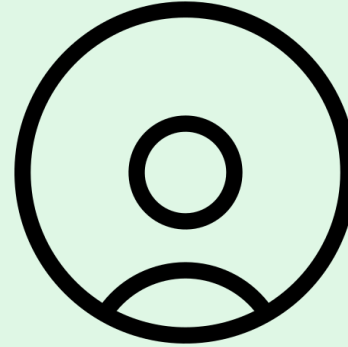
About Our Team

Participant 1 (the hustler)

I am in 8th grade, I love to do art and do crafts in my free time, I enjoy spending time with friends and family and my favorite subject is Science or History

Participant 2 (the hacker)

I am in 7th grade. I love math and coding, and I am on the competitive robotics team and quiz team at my school. I also love singing and acting!

Participant 3 (the hipster)

I am in 10th grade, I love to spending time with family and friends, and my favorite subject is math.

The Problem:

The greenbelt has many issues including little signage and a very confusing and non-interactive map on the website. We wanted to change that, and make it easier and quicker to get directions around the Carrollton GreenBelt, so we created **LocateGreenbelt**.
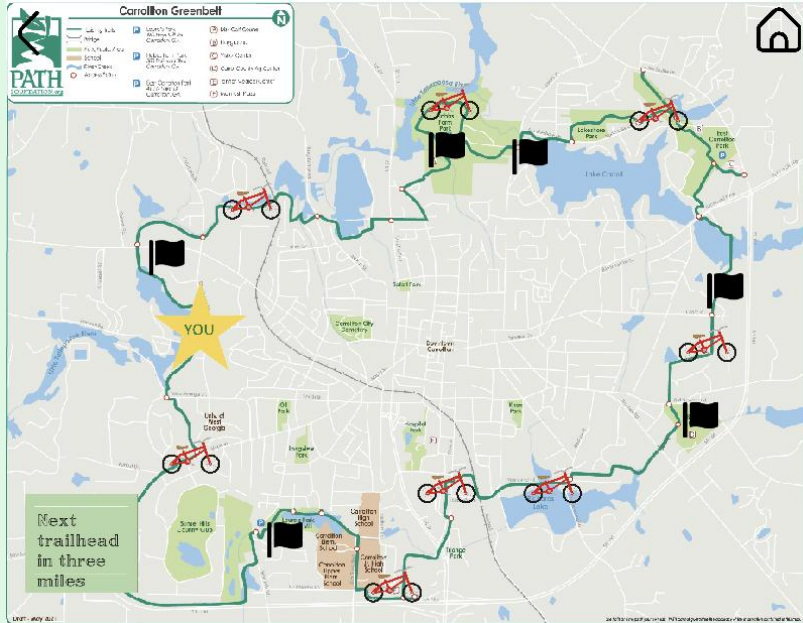
Our Solution: LocateGreenbelt

LocateGreenbelt

An interactive portal to get directions around the Carrolton Greenbelt

- Interactive Map
- Ammenities Offered
- Call for Assistance

This website can help many people and families navigate their way around the GreenBelt. It can help give people directions around the GreenBelt and give needed information.

Application Functionality:

There are many features designed to prevent getting lost such as a **help call button** if you manage to do get lost, an **interactive map** that you can access and track your location on the trail with, and also **helpful info about amenities** such as restrooms and bike parking on the trails.

LocateGreenbelt

An interactive portal to get directions around the Carrolton Greenbelt

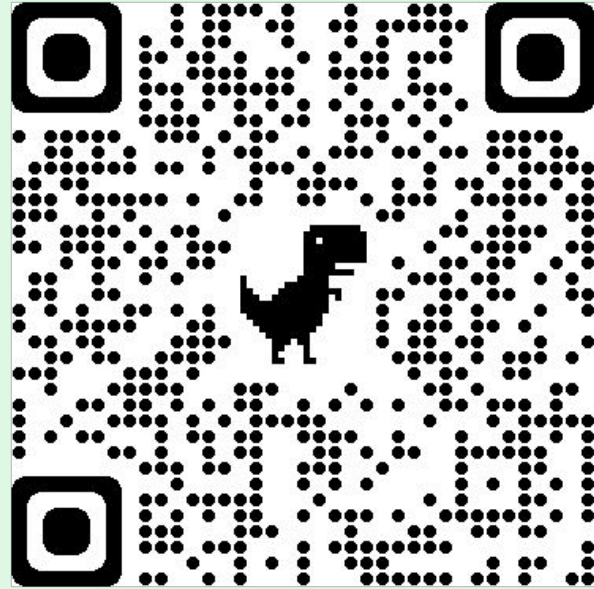- **Interactive Map**
- **Ammenities Offered**
- **Call for Assistance**

Here is the QR code for the website.

This will help many people to find the entrance and the exit. When you have this QR code then it will be so much easier for people. Though this is just a prototype, the actual QR code would be on posters or signs along the Carrollton Greenbelt and at the trailheads.

Test it out! It's a real code!

Challenges Faced and Solutions

- Research/Design challenges:

  - Finding information about the Greenbelt online

  - Designing UI

- Coding challenges:

  - Toggling on the interactive map

  - Changing from different "stages" in Scratch

Thank you !

Thank you for listening to our presentation, I hope you guys have a good day! Are there any questions?