

Screenshot 2025-09-14 at 10.04.33PM

Name: Luisa Guas

## Design Thinking Reflection

Task:

**Empathize** - Describe your audience. What were their needs, feelings, and challenges?

The audience was the people of Paperville, their needs were they wanted exciting rides and for them to be longer, they felt annoyed, their challenges was to not wait for rides that have long rides and have shorter rides.

**Define** - What was your problem statement?

To make a rollercoaster that is fun, longer, and safe.

**Ideate** - Describe at least three different ideas you came up with as part of the brainstorming process. What were the advantages and disadvantages of each?

- To make a loop
- draw an outline
- Make a base so it can be free standing

The advantage of making a loop was it could look cool, the disadvantage was that I had fewer to make it.

The advantage of making an outline is that I got a sense of what I wanted it to look like, the disadvantage is that it turned out nothing like the outline.

The advantage of making a base is so doesn't fall, the disadvantage was figuring how to build it.

**Prototype** - Describe at least three different iterations you developed? How did your work develop from each iteration to the next?

- Ran many tests
- Kept looking at the outline
- trying to block the end of the rollercoaster.

It developed by me taking a minute and thinking what to do, what to add to make it safe so I combine all the things & frequently kept doing and solve the problems.

**Test** - Describe the results of the testing process? What issues came up that required troubleshooting? What feedback did you receive? What did you learn by checking out alternate solutions?

My testing were okay, my issues was that the ball got stuck and it didn't stop where it needed it to be. One of my teammates suggest to throw the ball at a minimal pace and to make the tubes bigger so the ball could go through. I learned that it doesn't matter if your rollercoaster doesn't look like your outline at least you go through the troubles of it.