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**CART 360 - Assignment “Then”**

Nov. 2nd, 2018

GitHub

[GitHub Project](https://github.com/jsevan/CART360/tree/master/Assignment_THIS)

## **PROJECT PROPOSAL**

**Four Research Questions**

**1- Where will you present your project? Who is it made for?**

Our project is an umbrella that would light up during rainy days. It is supposed to be used during a gloomy rainy weather. We would want to present it under the rain but if the forecast doesn’t match during our presentation, we might have to do it indoors. It is likely that we would have to rent out a room and make ourselves a little area where drops of water could fall down from above.

We prefer having a prototype that can be used by everyone. The umbrella is easy to be used and fun to interact with it, therefore, anyone who needs it can use it.

**2- How can you use your project to destabilize the users and make them reflect on themselves, their environment and society?**

We want people to enjoy using our prototype during rainy days. A weather like that can make everything gloomy and depressing. Also, no one likes having flowers or brand logos on their umbrella. This is a chance to change people’s perspective towards umbrellas and let them enjoy using it on a rainy day. To add, it’ll make the city brighter and colorful but in a tasteful way.

**3- Is your artifact really helping or challenging its users in any way or is it just another psychological prosthesis?**

Psychologically, our umbrella would be helping out people during cloudy rainy days. A forecast like that can put people into a depressing mood or make them unmotivated all day. It also makes the city gloomy when everything is dark and grey. This said, we want people to enjoy days like this and have no trouble opening their umbrella and walk around the city with a smile on their face. Colorful lights can make anyone’s day brighter. But to be specific, we don’t want the lights to be big and bright. They must be small and magical, like those fairy lights. The patterns the lights would be making will be tasteful and not crazy. To add, they must be a mix of warm and cool colors.

**4- What are you trying to tell us with your project?**

Our umbrella should be meaningful to people when they use it. We want them to be able to express themselves when choosing their pattern on the umbrella. Everyone should be unique. The umbrella is the positive light source that would change the user’s mood and perspective on a rainy day. It would also help the people surrounding the user because of its twinkly lights that would light up the city streets with amazing patterns. We also want our user to feel like they are in their own space under the umbrella. We could have a heated holder or maybe a tiny speaker only the user can hear when connecting their device to it. ***(this is a possibility that needs to be searched on but it would be awesome to do)***

**Our Intention and Storyboard**

Blablabla

**Research / Summary**

Tralalalala

**Why is it different and impactful than others?**

This is an umbrella like no other. It should be unique to every user. We want people to feel the same way they feel on a sunny day; happy, outgoing, and motivated. Us humans are easily attracted to lights and feel at ease when they are beautifully set. That’s what we’re going for. We also want the users to feel like they’re in their own bubble when walking around with the umbrella, which is why we want to add speakers that only the users can hear themselves. Since rainy days are sometimes cold, we want to add a heat source on the handle that would make them feel cozy when holding it.

**\*\*\*Lets make our own umbrella top that would make the users feel like in their own bubble\*\*\*REFERENCES**

LED Umbrella with Arduino (making patterns)

<https://www.instructables.com/id/LED-Umbrella-with-Arduino/>

Pressure Activated Light-up Umbrella (using pressure sensors)

<https://www.instructables.com/id/LED-Umbrella-with-Arduino/>

Using a heating pad

<https://learn.sparkfun.com/tutorials/heating-pad-hand-warmer-blanket/all>

Lighting can help change moods

<http://mentalfloss.com/article/89053/7-ways-lighting-can-make-your-home-happier>

<https://99designs.ca/blog/tips/how-color-impacts-emotions-and-behaviors/>

* Project Proposal Requirements:
  + A Non-Technical Project Description which addresses the *FOUR RESEARCH QUESTIONS* (MINIMUM (63 + 1) WORDS / QUESTION)
  + Describe your Intention and the Project’s proposed Interaction Design Strategy via a storyboard (MINIMUM ( pow(2, 3) == 8 ) FRAMES)
  + Research and provide a summary (MINIMUM (127 + 1) WORDS) for **three** similar projects.
  + Write a paragraph on how/why your project will be different and impactful in comparison to the projects you researched (MINIMUM (255 + 1) WORDS)