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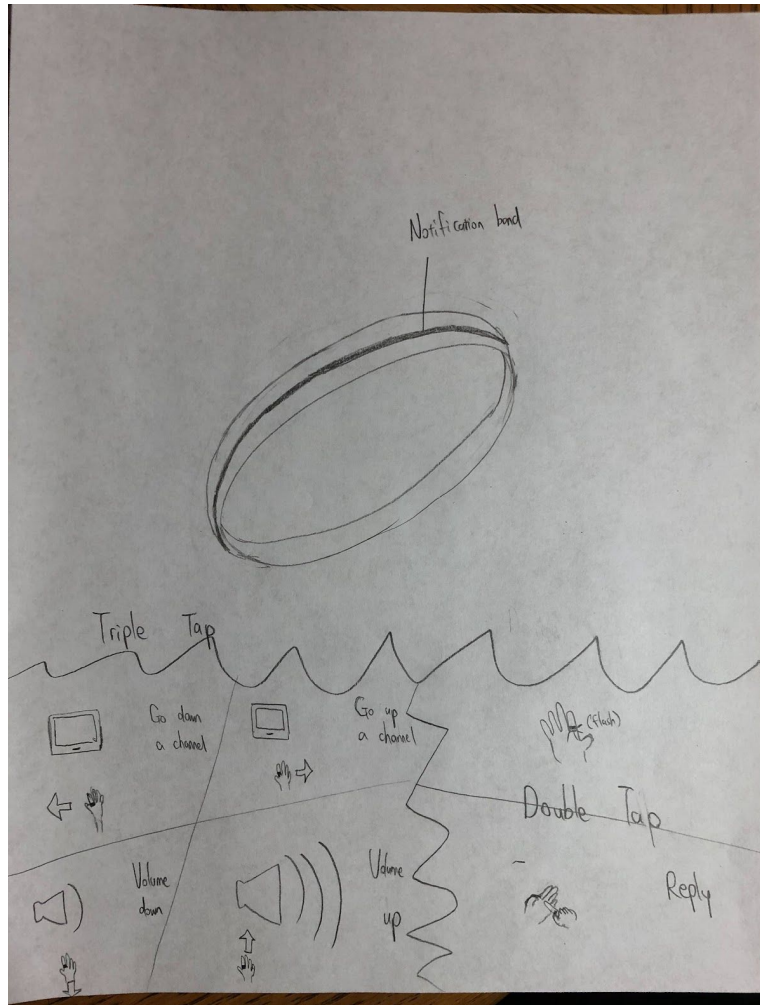Leon Shen

The Ring

Elevator Pitch

With all the ongoing development of smart technology, it is hard to keep track of all the gimmicks. There's the Apple Pencil, Apple Watch, Apple Remote, iPad, iPhone, iMac, iEverything. Introducing The Ring! It is fashionable! It lets you have everything you need at your fingertips, and you can connect it to any smart device. Tap the ring twice and you will enter "writing" mode, allowing you to reply to text messages or write by the movement of your fingers. Tap three times and you can enter "swiping" mode, which works well with smart TVs. You can swipe left, right, up or down so you will not have to get up from the couch or know where the remote is. With The Ring, everything is at your fingertips, and you will no longer have to keep track of where your gadgets are.

Research Plan

We will reach out to avid smart technology users to smart technology enthusiasts and ask them questions about the types of smart technology they own and how many different remotes or gadgets they have. Our target audience is very broad (from elementary school students to the elderly) because, in today's age, almost everyone owns some sort of smart device. A high school/college student might utilize The Ring for the convenience of responding to text messages while an older person might use it so that they do not have to remember where they left their gadgets. To understand any potential problems of this product, we will talk to smart technology users ranging from college students, university staff, and the elderly.

In order to verify that our smart device is good for the consumers, the criteria that we will use to measure this would be ease, portability, fashion, and functionality. Ease would determine how easy it is to use The Ring. Will the user get confused if they tapped twice or three times? How often will they accidentally tap The Ring and activate it? For people of different ages, how easy will it be for them to incorporate this into their daily lives? Portability will be a category that measures how comfortable is it to carry the Ring with you everyday. Will it get lost easily? Fashion will be a category that determines if it's fashionable to wear outside. How will it look for athletic, casual, and formal attire? Does it look good enough so that you want to wear it out every day? Functionality is essential because if The Ring cannot serve its purpose, it is useless. Is the user able to write on their hand to send a text message or is the user able to swipe to change channels on the TV? These are all the criteria we will use to evaluate this product.

Initial Sketches

Notification band

Triple Tap

Go down a channel

Go up a channel

(Flash)

Double Tap

Volume down

Volume up

Reply

Collaboration Plan

We will meet on a weekly basis for a time that works best for all of the team members. We will meet on main campus in Norlin or the Engineering Center. If a meeting has to be rescheduled, we will move it to the weekend at a time that works best for everyone. We will determine a project leader and he/she will be the main communicator that reaches out to everyone and do the scheduling.

The tool that we will utilize to organize and keep track of our milestones will be Asana. The team leader will talk with the group and update goals / distribute workload on Asana. We will also utilize Google Drive to share documents and ideas.

Asana will state the task for each person and when the deadline is. When the group meets after the deadline, we will go over and check everyone's work to check for potential improvements and what went well. To ensure that everyone is contributing to the project, the project leader will assign tasks evenly (based off of the time it will take) to the group members. If a member is unable to keep up with the workload, the rest of the group can assist by sharing some of the workload to ensure deadlines are still met.