

**\*\*Note: You can work on this assignment with another person, but each of you must come up with your own ideas and sketch them. Each team member has to submit this document individually\*\***

**Your Name: Alex Ojemann**

**Team members: Riley Kozeliski, Henry Saver**

### **1. Initial Ideas**

**Rounded back remote:** make the remote easier to hold in one's hand by rounding the back. Should be about 2 inches wide and 1 inch thick at its thickest point as to fit perfectly in a normal sized hand.

**Rubber case:** A remote with a rubber case would be better than the current Apple TV remote because it doesn't slide out of one's hand so easily and would add to the size of the minuscule Apple TV remote.

**Differentiated buttons:** The buttons on the remote should have different sizes and colors to make it more intuitive for the user. For example, numbers for changing channels could be rectangles while the up, down, left and right arrows could be triangles to match the shape of an arrow. Also, a red, circular power button in the top left corner would help the user know the correct orientation of the remote.

### **2. Team member ideas**

**Henry:**

Label all buttons more explicitly, specifically the trackpad which is almost hidden. Maybe even restructure the trackpad to be more welcoming and apparent that there is a controller there by adjusting the shape of it.

- Adjust the shape of the remote to have a griplike rear for the users to hold (so it doesn't fall out of their hands easily).
- Reorganize layout of buttons to be more similar to conventional television remotes that many people are already familiar with.

Riley:

- Create a rubber/textured bottom that will allow the user to feel the right side of the remote
- Or reposition the buttons towards the bottom of the remote to give the user the same feeling of the correct side
- Implement a device inside that detects when the remote is being moved/touched and for a short period of time, or until the remote is no longer being moved deactivate touch screen control (This would be similar to how iPhones turn on their screen when being turned right side up)

### **3. Description of Proposed solution**

**Our solution will feature a more rounded back than the Apple TV remote which is 1 inch thick at its apex to better fit the user's hand shape, differentiated button shapes and sizes to help the user identify which buttons perform what functions, a power button in the top left hand corner to help the user determine what orientation is correct, regular arrow buttons with a select button in the middle instead of the trackpad so the user can see where this feature is, a rubber coating on the bottom to make it less likely to slip out of one's hand or off of a table, and slight grooves on the back for the user's fingers to comfortably fit into.**

#### 4. Sketches

