Joule Jugglers - Dominic Pedavoli, Ryan Loar, Kaleb Keller, Kameron Lund

Section 100

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Many of our top five strengths are remarkably similar; in fact, Kaleb and Kameron have identical top 5 strengths. Rather than focusing on our individual strengths, we opted to focus on categorizing strengths when using our Clifton assessment results to aid the designation of tasks. The four general tasks we produced were coding, circuitry, 3D design, and a person floating from task to task, wherever help is most needed. The most important strength for coding is accentuating strategy, as we need our code to be concise and efficient. For circuitry and 3D design, we decided that execution skills would be most valuable. Circuitry and 3D design are at the heart of our project, as we are working with complicated components and tricky mounting parameters. Finally, we decided that the person in the float position should have relationship-building, strategic, and execution skills. The person in the float position should be someone who can juggle different projects and embolden their colleagues. Our other skills will certainly come in handy and add flair to each role, but we believe the essentials lie in the strength categories.

We put Kameron in the coding position. We want to take some out-of-the-box approaches to coding to make the hardware even more accessible for our client. These solutions could save us a lot of time and effort on the physical aspects of the project, but they are outside of our current skill sets. Kameron has the most coding experience but has limited experience with custom GUI phone applications, which we plan to implement. Kameron's strengths as a learner and intellectualist will allow us to push outside our comfort zone.

Similarly, we put Kaleb in 3D design for many of the same reasons. Our housing unit may be highly complicated as we want to preserve the instrument and allow our client to remove our device if necessary. Furthermore, the housing unit must be able to hold and protect our circuits and solenoids without allowing the solenoids to shift their positions. Kaleb is the man for the job because his strengths will help him learn and perform the necessary design and implementation strategies to preserve our vision for the product.

Dominic is our choice for the circuitry task because of his dedication and passion for this project. We all love the opportunity to work with music and electrical engineering simultaneously, but this project speaks to Dominic's passions in a unique way. Circuitry is the heart of our project. It needs someone who will push through challenges and defeats regardless of circumstances. Without the circuits, we have nothing, so execution is critical to this task. Dominic's discipline and moral restoration are perfect for what this task requires.

As a relative and includer, Ryan is the perfect person to connect the rest of us as one cohesive project. Each task will have a litany of demands and may serve to divide us into individual sub-projects, but Ryan's people skills will keep us together working in the lab. While each component seems so different, we must remember that this product has one end goal and one vision. By having Ryan float

from task to task, he can relay ideas and approaches from person to person. Ryan is much more than just an ambassador; his skills as a learner and thinker make him perfectly flexible for juggling three tasks.

Our task assignments will serve as more of a guideline than an absolute commandment. The sentiments of why we chose each person for each task will stick around throughout the project and empower us to lean into our skills. As mentioned at the start of this reflection, we are similar people with similar skills; the benefits of this are twofold: we can relate to one another, share ideas more quickly, and are very comfortable with switching tasks when necessary. We will continue to use this advantage and express our individual strengths to find a niche in which we excel. Below this reflection, the team map that guided our task assignments can be found.

# Coding

**Kameron**
- Restorative ↔ Adaptable
- Learner ↔ Acheiver
- Intellection

# Circuitry

**Dominic**
- Analysis ↔ Disipline
- Restorative ↔ Relator
- Individual

# Ryan

- Learner
- Restorative ↔ Relator
- Ideation ↔ Includer

**Float - All**

# 3D - Design

**Kaleb**
- Restorative ↔ Adaptable
- Learner ↔ Acheiver
- Intellection

**Thermes**

- 🟢 Strategy
- 🟠 Leadership
- 🟣 Execution
- 🔵 Relationship Building

This team map represents each of our roles and our strengths. Each role has a theme, which is most helpful. Each person has been assigned a role based off of how their strengths and themes allign with the requirements of each role.