Working in a team often brings familiar challenges: miscommunication, missed deadlines, and uneven workloads. These issues can make collaboration seem daunting. However, by adopting SCRUM, a project management framework grounded in transparency, inspection, and adaptation, our team can effectively navigate and overcome these obstacles.

SCRUM Roles
The Scrum methodology incorporates specific roles to enhance its effectiveness: the Product Owner, the Scrum Master, and the Development Team.

Product Owner (Leon):
Leon is responsible for maximizing the value of the product resulting from the work of the Scrum Team. He manages the product backlog, these are features that are essential to the development of the product, and ensures they reflect the current understanding of what the end product should be. This includes developing and communicating the product goal, creating and ordering backlog items, and ensuring the backlog is transparent and understood by all team members.

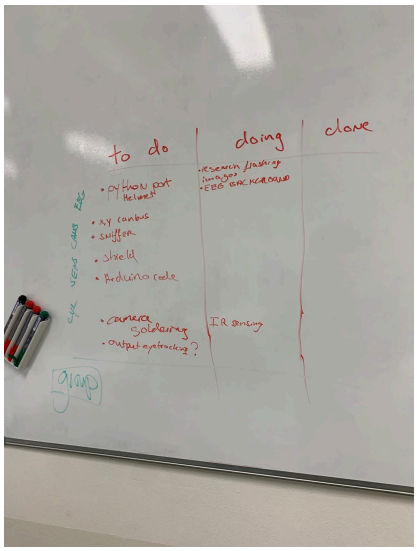
Scrum Master (Ansh):
Ansh serves as a facilitator for the Scrum Team, ensuring that Scrum practices are followed. He helps the team understand and implement Scrum, remove impediments to progress, and promote an environment conducive to team effectiveness. As the facilitator of Scrum meetings he promotes the step by step navigation of taking on tasks that SCRUM offers.

Development Team:
The Development Team consists of the rest of the NeuroDrive project members including our SCRUM master. The team does the work of delivering a potentially releasable increment of a "Done" product at the end of each sprint. We are self-organizing and cross-functional, with all the skills necessary to create the necessary progress for the product.

Sprint Planning and Execution
Each week, during our meeting, we conducted sprint planning sessions where we:

- Identified the objectives for the upcoming sprint based on the product backlog.
- Choose tasks from the backlog that are aligned with our sprint goals and team capacity.
- Delegated responsibilities among team members to ensure balanced workloads.

We also implemented the classic “to do, doing and done” meeting schematic, therefore making clear notes where we are in the project and having designated moments to talk about specific parts of the projects making the meetings productive.



This iterative approach allowed us to adapt to changes, incorporate feedback, and continuously improve our product.

Implementation Examples
The open communication with our Product Owner, Leon, proved invaluable during the selection process for our camera. By discussing options openly, we were able to evaluate the merits of purchasing software versus utilizing open-source alternatives. This transparency aligns with Scrum's emphasis on openness, enabling informed decision-making and fostering trust within the team .

Another example of the Scrum utilization is when our team recognized that implementing a graphical user interface (GUI) was more critical at that stage than developing the CAD model for our 3D-printed camera frame. The transparency fostered by Scrum allowed us to openly discuss this shift in priorities. The team member responsible for the frame understood the rationale behind the decision and willingly adjusted their focus, preventing any feelings of resentment. This open communication not only maintained team morale but also strengthened our collaboration.

Conclusion
Implementing the SCRUM framework has significantly enhanced our team's efficiency and collaboration throughout this project. By establishing clear roles, maintaining open communication, and embracing iterative planning, we've navigated challenges more effectively and delivered quality results. The adaptability inherent in SCRUM allowed us to respond promptly to changes, ensuring that our project remained aligned with its objectives. Reflecting on our experiences, it's evident that SCRUM's principles have not only streamlined our processes but also fostered a cohesive team dynamic.