

CLC - Team Structure and Team Member Roles and Responsibilities

Project Name

Member Name	Phone Number	Email	Team Role
Daniel Grijalva	623-292-0433	Dgrijalva3@my.gcu.edu	Software + Cloud Lead
Nolan Tuttle	971-320-9557	ntuttle1@my.gcu.edu	Hardware + Integration Lead

Team Member Responsibilities

- **Nolan Tuttle (Hardware + Integration Lead):**
 - Enclosure design/build.
 - Wiring sensors, Raspberry Pi configuration.
 - Pump/light/fan automation.
- **Daniel Grijalva (Software + Cloud Lead):**
 - Backend API, database, mobile app.
 - Rules engine (alerts).
 - Cloud deployment + UI polish.

Decision-Making Process

1. Initial Discussion

- Both teammates bring ideas/issues to a weekly meeting.
- Each person explains their reasoning, trade-offs, and potential risks.
- Notes are taken in the shared project tracker (Notion/Google Docs).

2. Consensus First

- The team prioritizes consensus the two aim to agree based on:
 - Technical feasibility.
 - Alignment with project objectives & scope.
 - Time and resource constraints.

3. If No Agreement (Tie-Breaker)

- If consensus isn't reached after discussion, the lead in that domain decides:
 - Hardware/Integration Lead has final say on enclosure, sensors, wiring, Pi configuration.
 - Software/Cloud Lead has final say on backend, database, app, and cloud deployment.

4. Escalation

- If a decision could impact the overall project success (e.g., major scope change, hardware budget jump, timeline slip), the issue is:
 1. Documented in the tracker.
 2. Brought to the faculty advisor/client for guidance.
 3. Resolved within one week.

5. Documentation & Transparency

- Every decision is logged in the shared tracker (date, context, decision, responsible teammate).
- This ensures accountability and easy justification during the final presentation.

Primary Communication Method

Communication through discord.