

**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.