# Green & Healthy Schools

**Sprint 3**

**Nhat Vu, Janett Morales, Shantel Parrish**

# Agenda

# 01 Introduction

- Developed a user-friendly web interface for educators to manage school environmental data and initiatives.

- Centralizes information on energy consumption, waste management, water usage, carbon emissions, and environmental projects.

- Facilitates collaboration and knowledge-sharing among schools.

- Clients: Brenda McDaniel & Jenna Mobley from Gwinnett County Public Schools

# 02 Team

**Nhat**
Data Analyzer
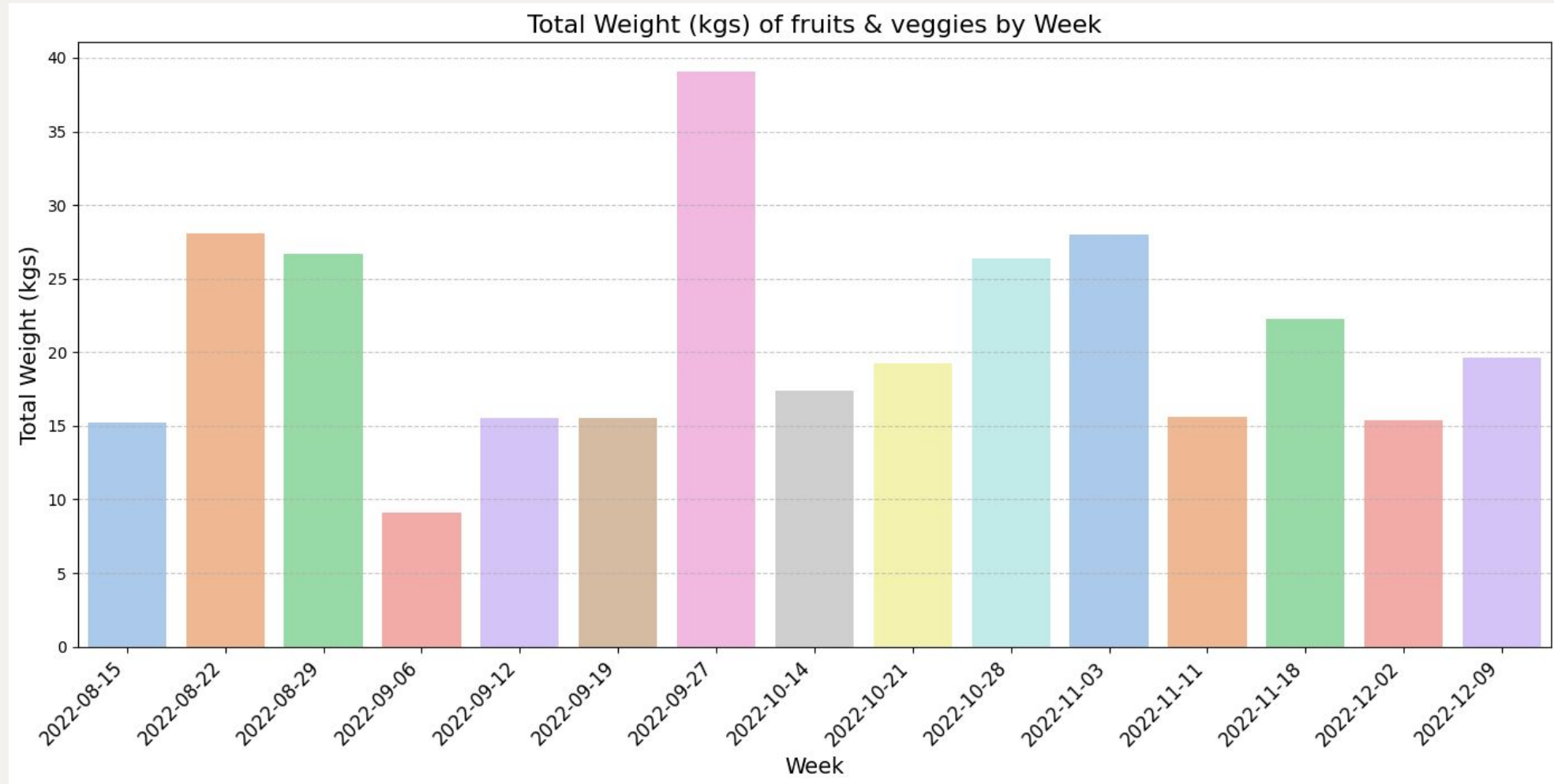Project Documentation

**Shantel**
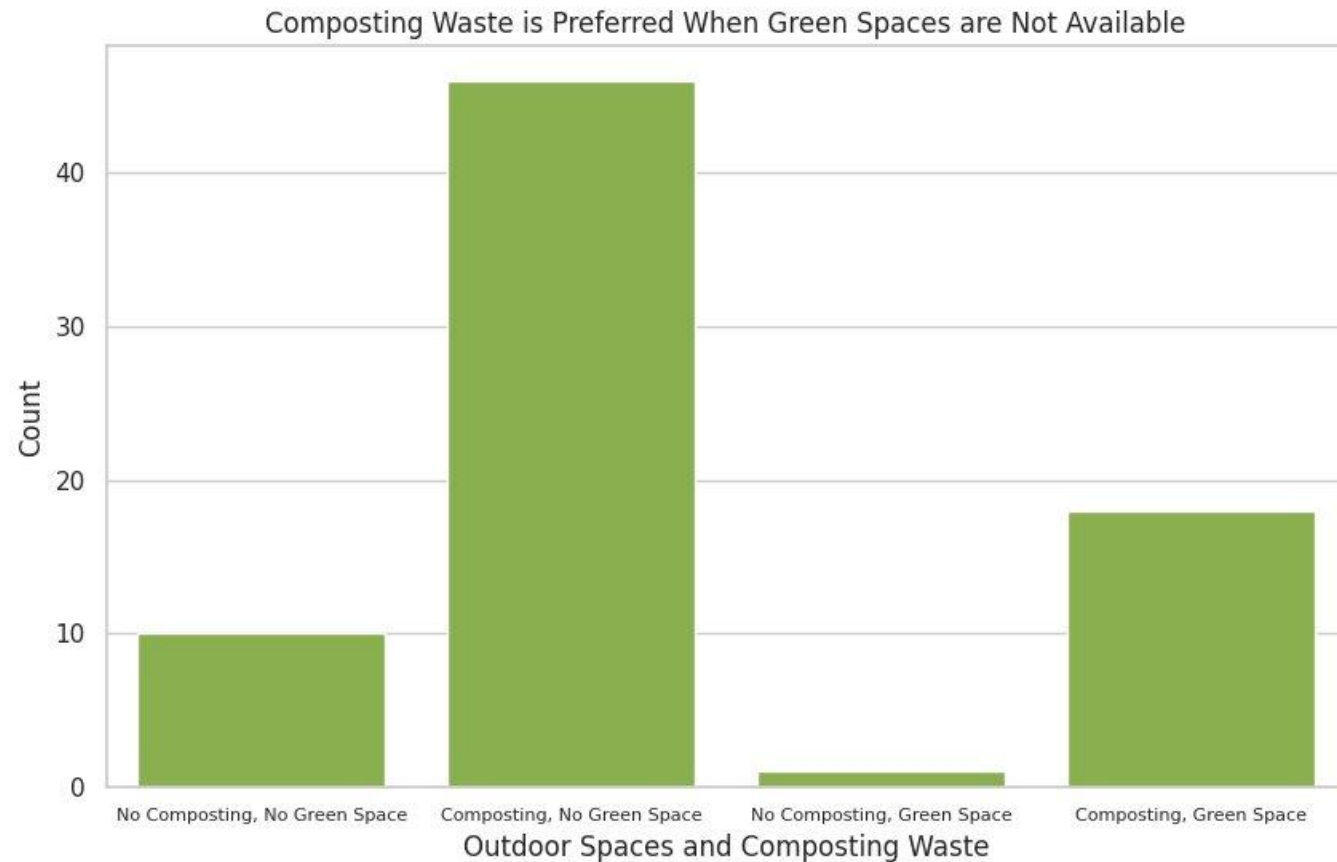Data Modeler
Client Liaison

**Janett**
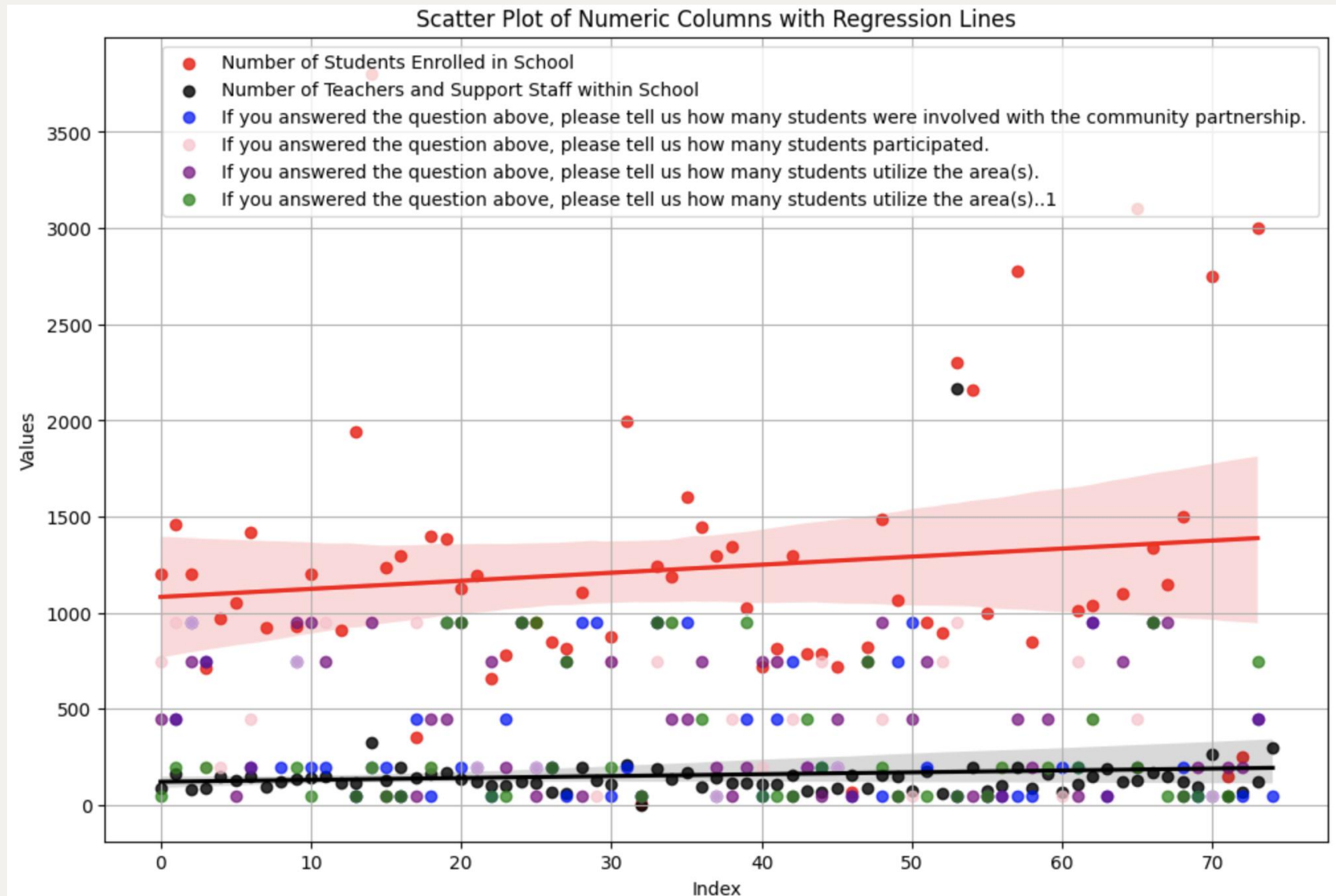Visualizations
Team Manager
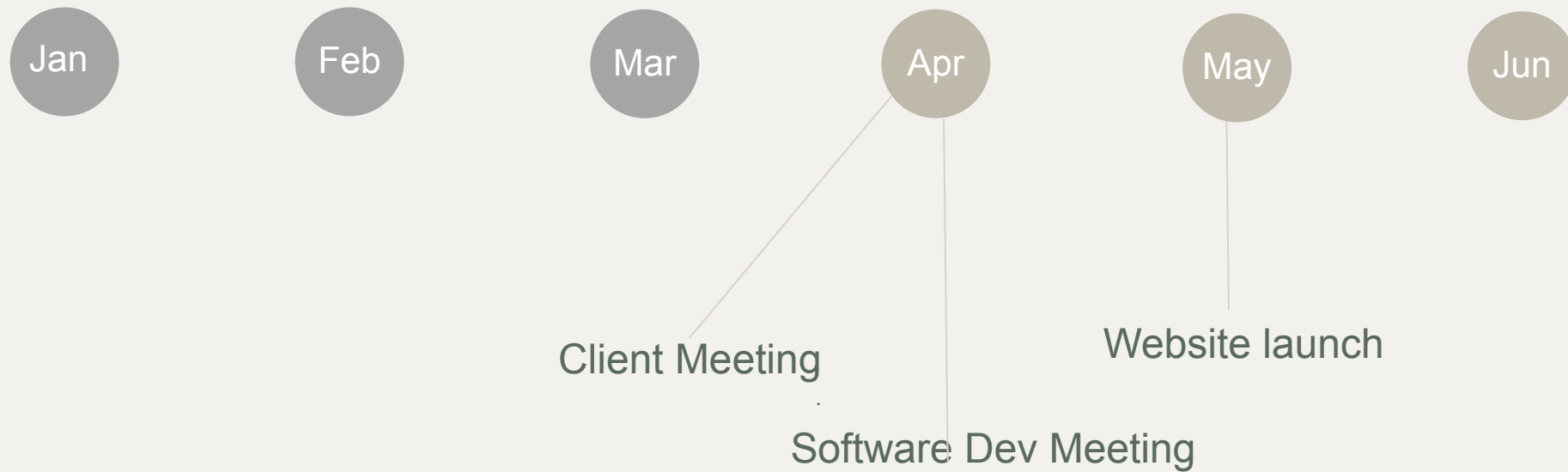
# 03 Data Results

# Total Weight Composted Each week



Total Weight (kgs) of fruits & veggies by Week

# Composting & Green Spaces



Composting Waste is Preferred When Green Spaces are Not Available

# Student Participation



Scatter Plot of Numeric Columns with Regression Lines

# Sprint 3 timeline



Jan    Feb    Mar    Apr    May    Jun

Client Meeting

Website launch

Software Dev Meeting

# 04 What's next

# Features Implemented



1. User-Friendly Web Interface

2. Comprehensive Database

3. Real-Time Data Updates

4. Dynamic Dashboard

5. Automated Statistics Updates

6. Google Sheet Integration

# Future Features

1. Expand Database for Additional Inputs

2. Incorporate Media File Submission

3. Organize Media Files by Project Category

4. Expand Dashboard with Additional Filters

# Web Visualizations



[Submission Form](#)

# DATA FLOW

# Dashboard

•Dashboard Features:

• Interactive Map: Displays schools in Gwinnett County relative to each other.
• Visual Data Representation:
• Pie Charts: Illustrate key metrics with clear visuals.
• Color-Coordinated Labels: Enhance data readability and understanding.
• Dropdown Menu: Enables selection of specific schools to view detailed data.

**Dashboard Link**

# 06 Performance Overview

## Team Collaboration & Roles

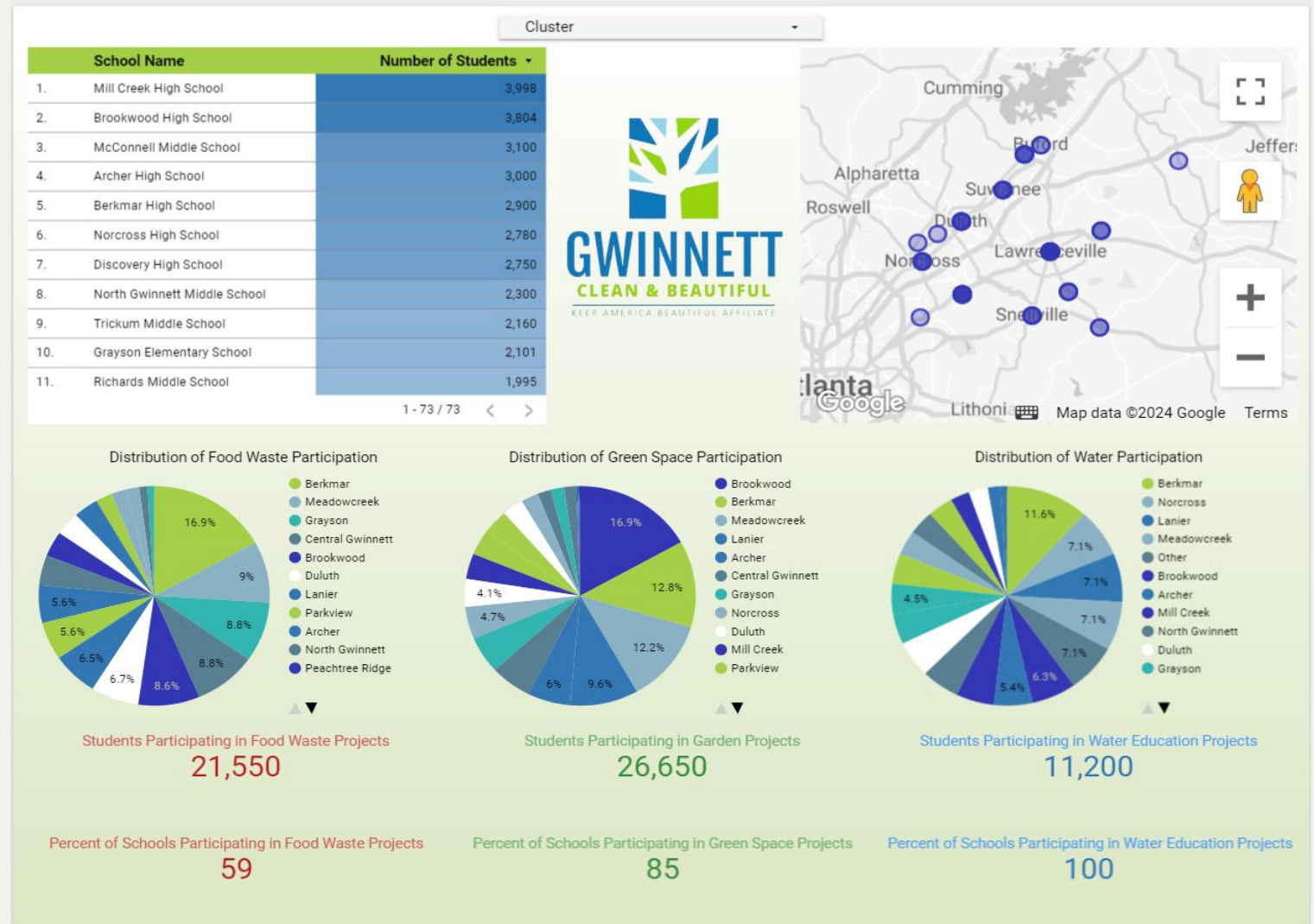Our team embraced collaboration by sharing ideas, skills, and responsibilities to achieve project goals effectively

## User Feedback

We actively gathered feedback from end-users to validate and refine our deliverables, ensuring they met user needs and expectations

## Compliance & Standards

Ensuring project activities and deliverables meet specified requirements

## Adaptability

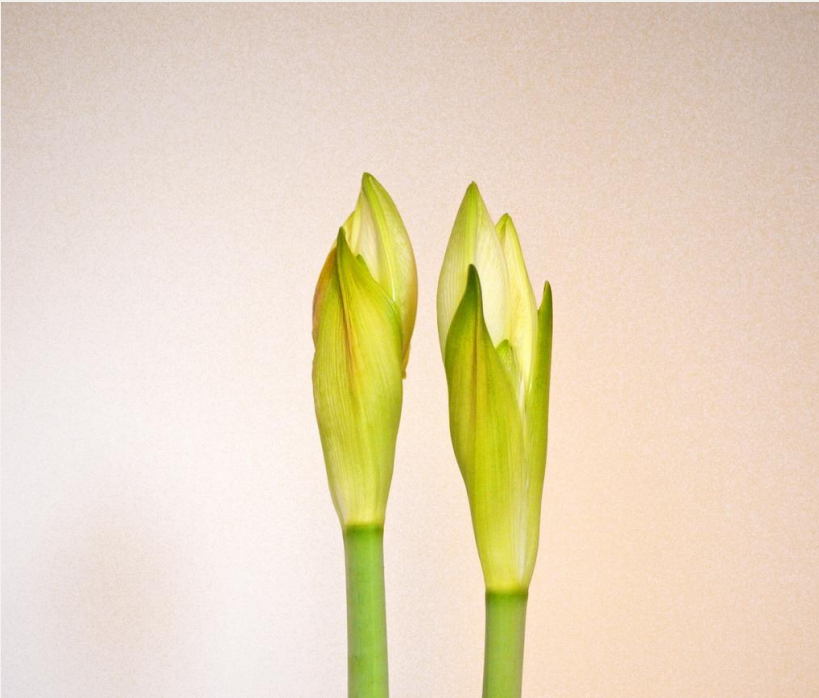Emphasizing agile practices, we prioritized collaboration and iterative development

## Emphasis on Delivering Value

Focusing efforts on delivering tangible and meaningful results

## Continuous Improvement

Regularly seeking ways to optimize and refine project approaches
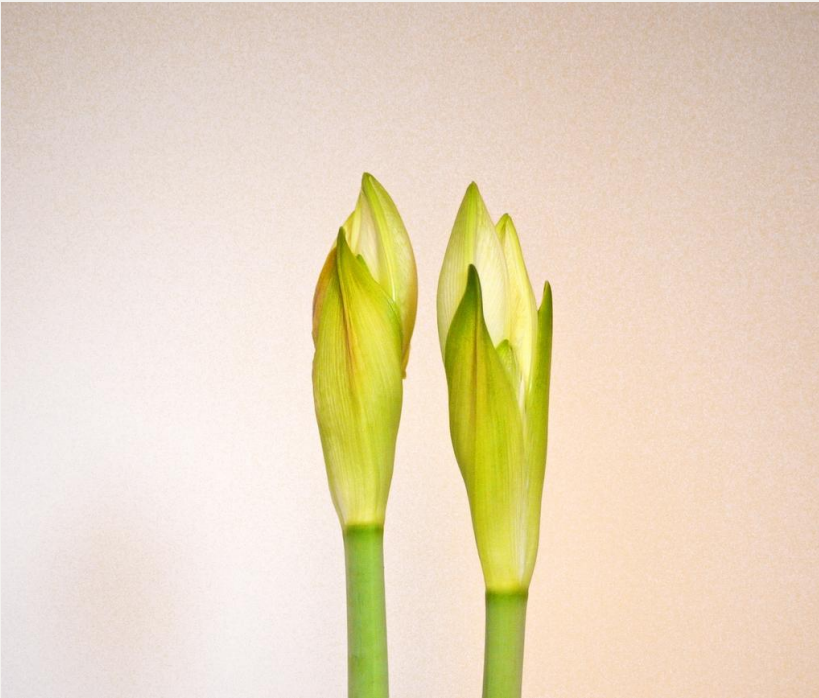
# Goals for Sprint 1



1. Collect project requirements from client

2. Project planning

3. Data collection and cleaning

4. Create draft of the web-based form

5. Research and configure a database

# Goals for Sprint 2



1. Finalize Form
2. Edit code and database configuration
3. Meet with SD team
4. Merge our code with SD
5. Work on Web Design
6. Create Analyzing Tools

# Goals for Sprint 3

1. Fix the collapsible sections
2. Use feedback to update the dashboard
3. Attach updated dashboard onto the website
4. Have a full functioning form connected to a database

# 07 Closing

We are currently collaborating with the software development team to integrate our dashboard into their website and consolidate our databases. The project is still a work in progress, and we aim to complete it by next week.