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# Green & Healthy Schools

Sprint 3

Nhat Vu, Janett Morales, Shantel Parrish



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# Agenda

01 Introduction

02 Team

03 Data Results

04 What's next

05 Web Visualizations

06 Performance Overview

07 Closing

# 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



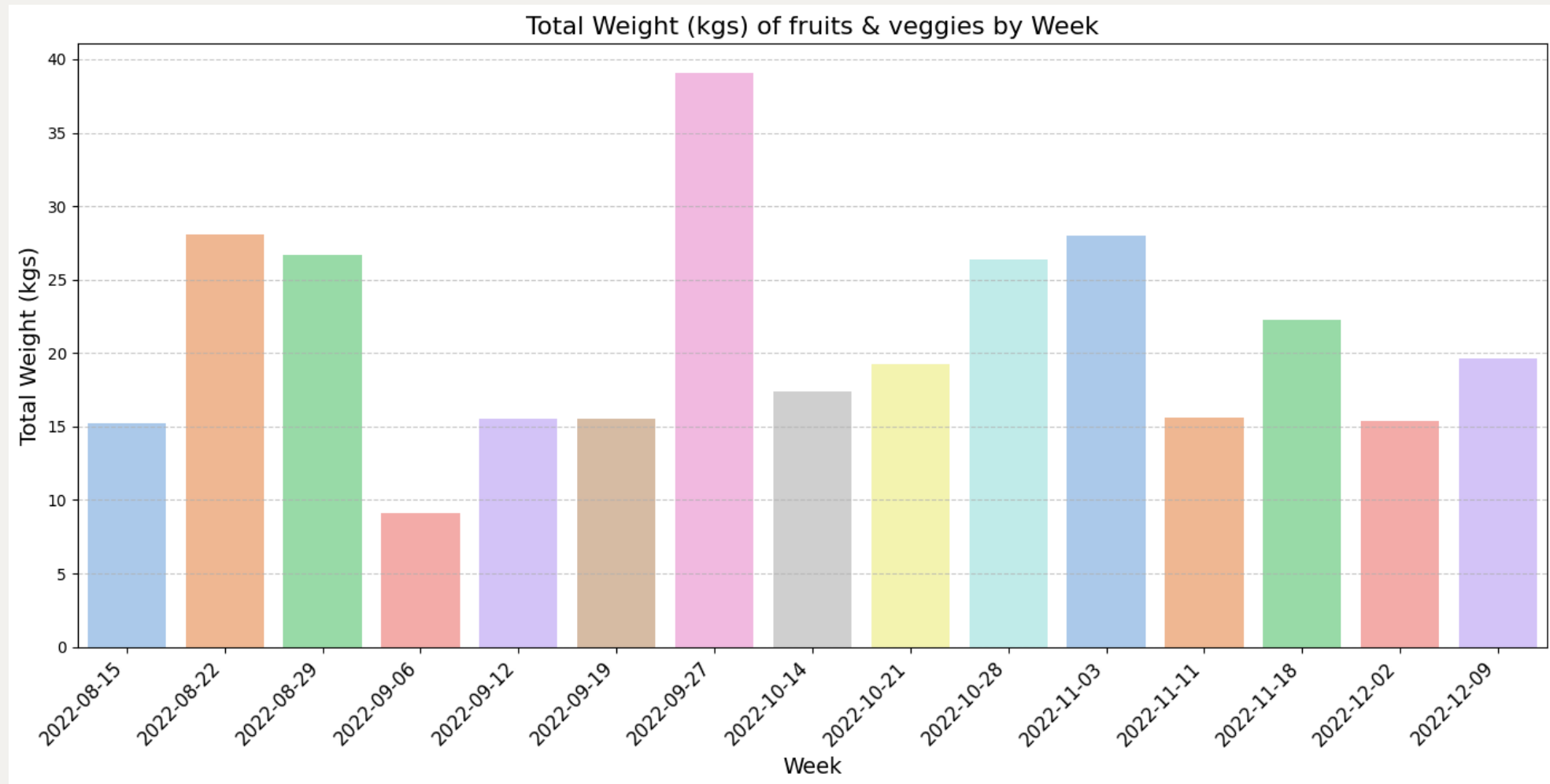
Janett

Visualizations  
Team Manager

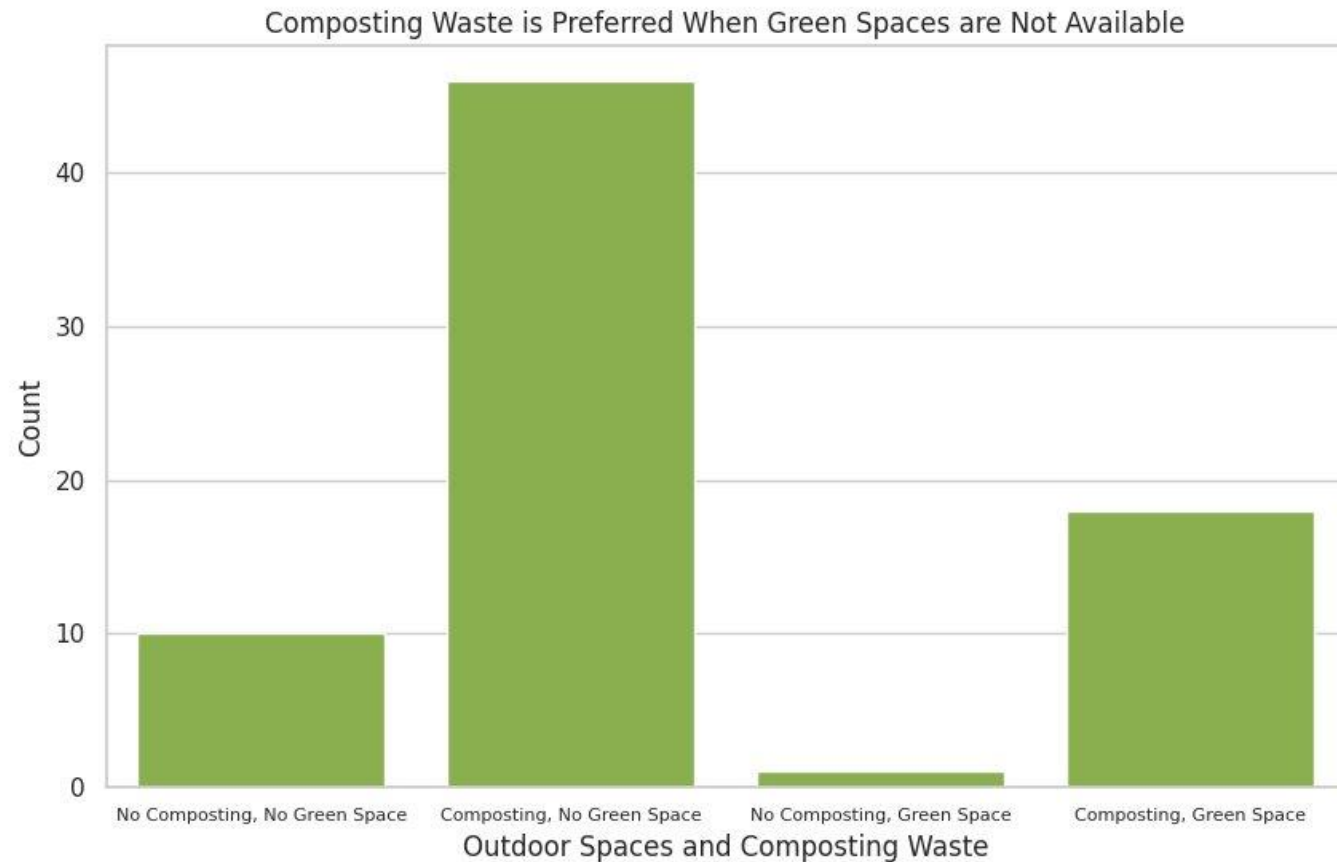


# 03 Data Results

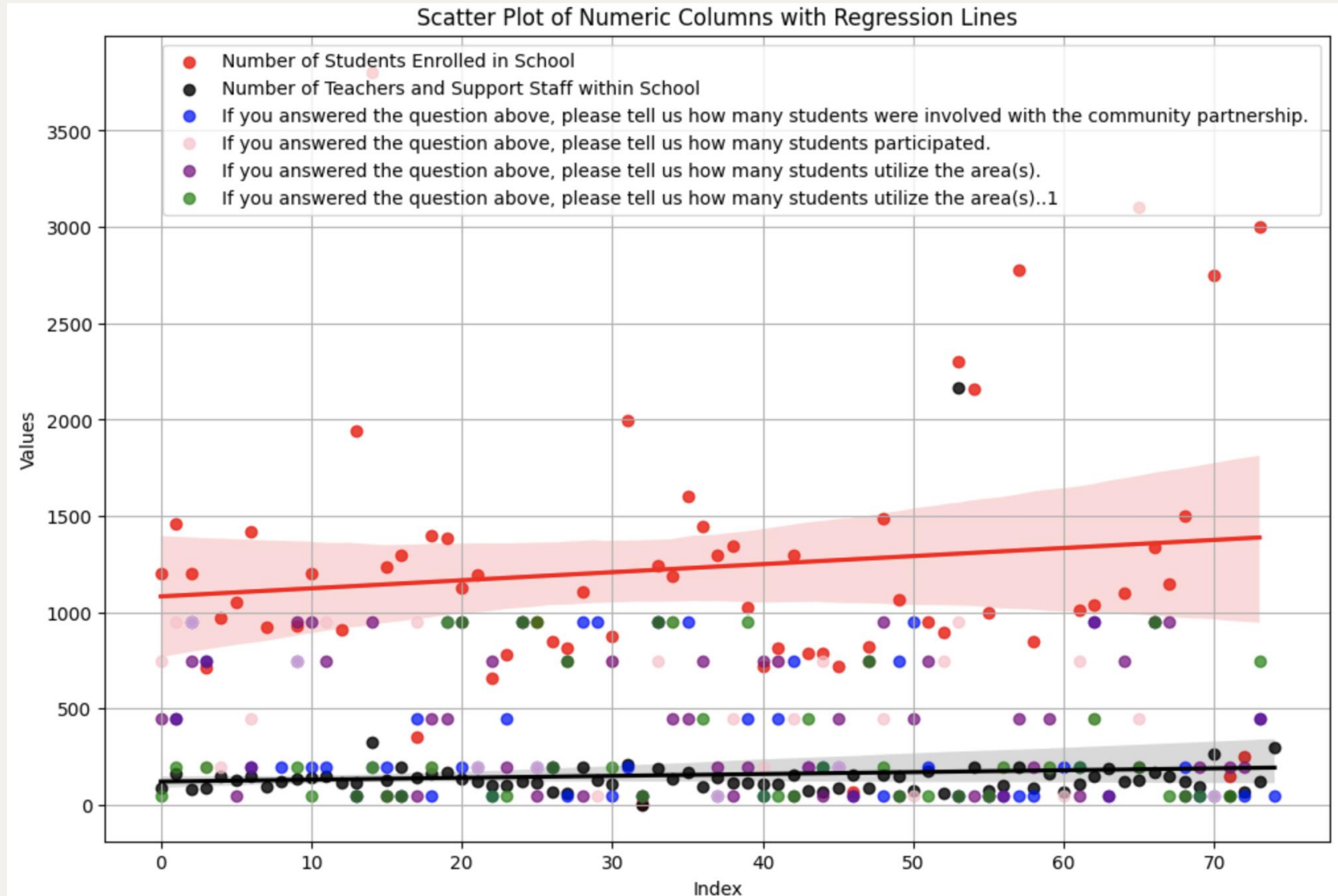
# Total Weight Composted Each week



# Composting & Green Spaces

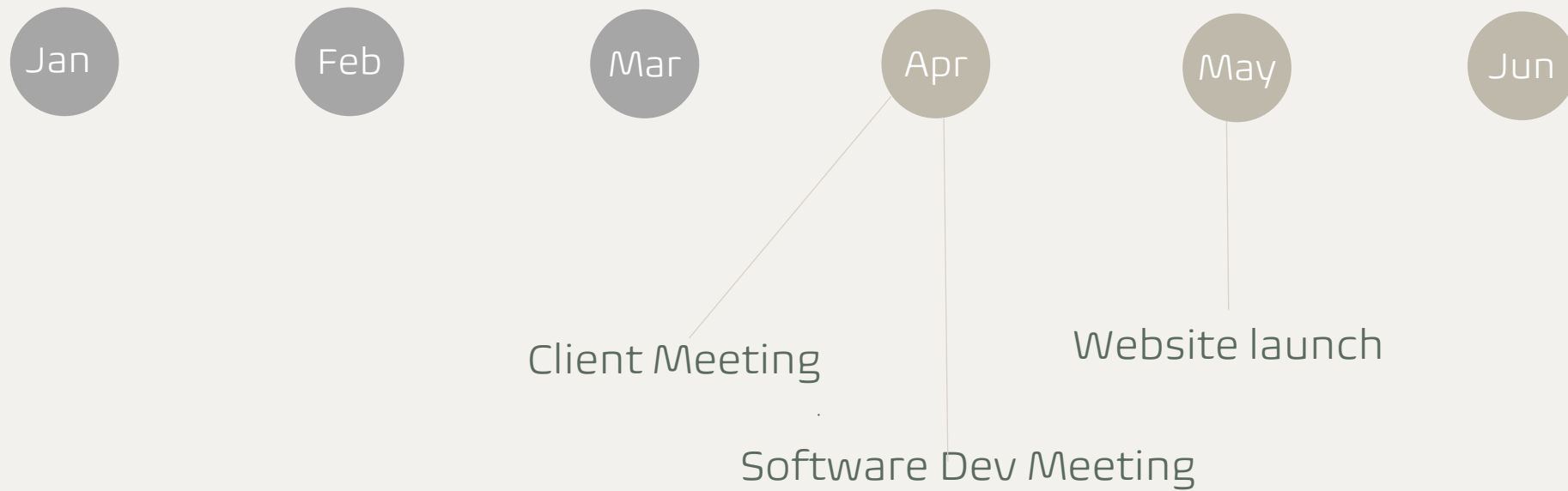


# Student Participation





# Sprint 3 timeline



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

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# 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

[TEACHERS](#) [PARTNERS](#) [PROJECTS](#) [ABOUT](#)

project-submission works!

## GHS Environmental Profile Questions

Welcome to our profile form for Green and Healthy Schools Program. Please provide the required information below to share your school's progress.

\* Indicates required field.

Your Form has been submitted successfully

\* School Name:

\* Name of GHS Teacher Representative:

\* Email of GHS Teacher Representative:

\* Number of Students Enrolled in Class:

\* Number of Teachers and Support Staff within School:

\* Select your school level:

\* What classes/subjects you are teaching? (separate by comma):

### Section 1: Student Environmental Projects

Describe a student project that addressed real-world environmental issues:

1) Who did the project (grade level, class, club, etc):

2) Project description:

3) What was this project's outcome/impact:

If you described a PBL in the question above, please tell us approximately how many students were involved:

If you described a PBL in the question above, please tell us approximately how many teachers were involved:

## Submission Form

project-submission works!

## GHS Environmental Profile Questions

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\* Name of GHS Teacher Representative:

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\* Number of Students Enrolled in Class:

\* Number of Teachers and Support Staff within School:

\* Select your school level:

\* What classes/subjects you are teaching? (separate by comma):

### Section 1: Student Environmental Projects

### Section 2: Community Partners

### Section 3: Food Waste

### Section 4: Composting

### Section 5: School Gardens And Outdoor Learning Spaces

### Section 6: Indoor Growing System

### Section 7: Grants and Funding for Environmental Projects

### Section 8: Recycling

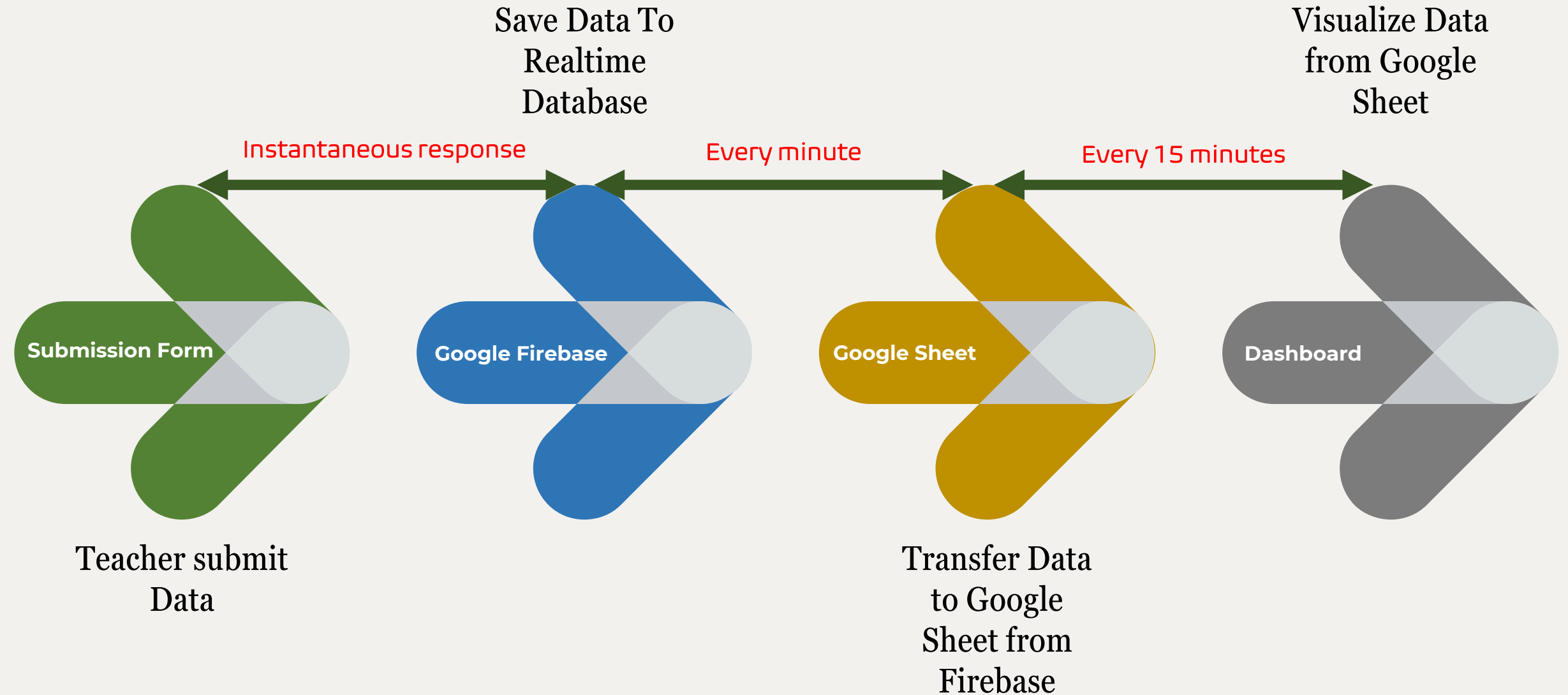
### Section 9: Water Education

### Section 10: Project Images

Submission Date and Time (ex: 04/23/2024, 03:38:25 PM EST):



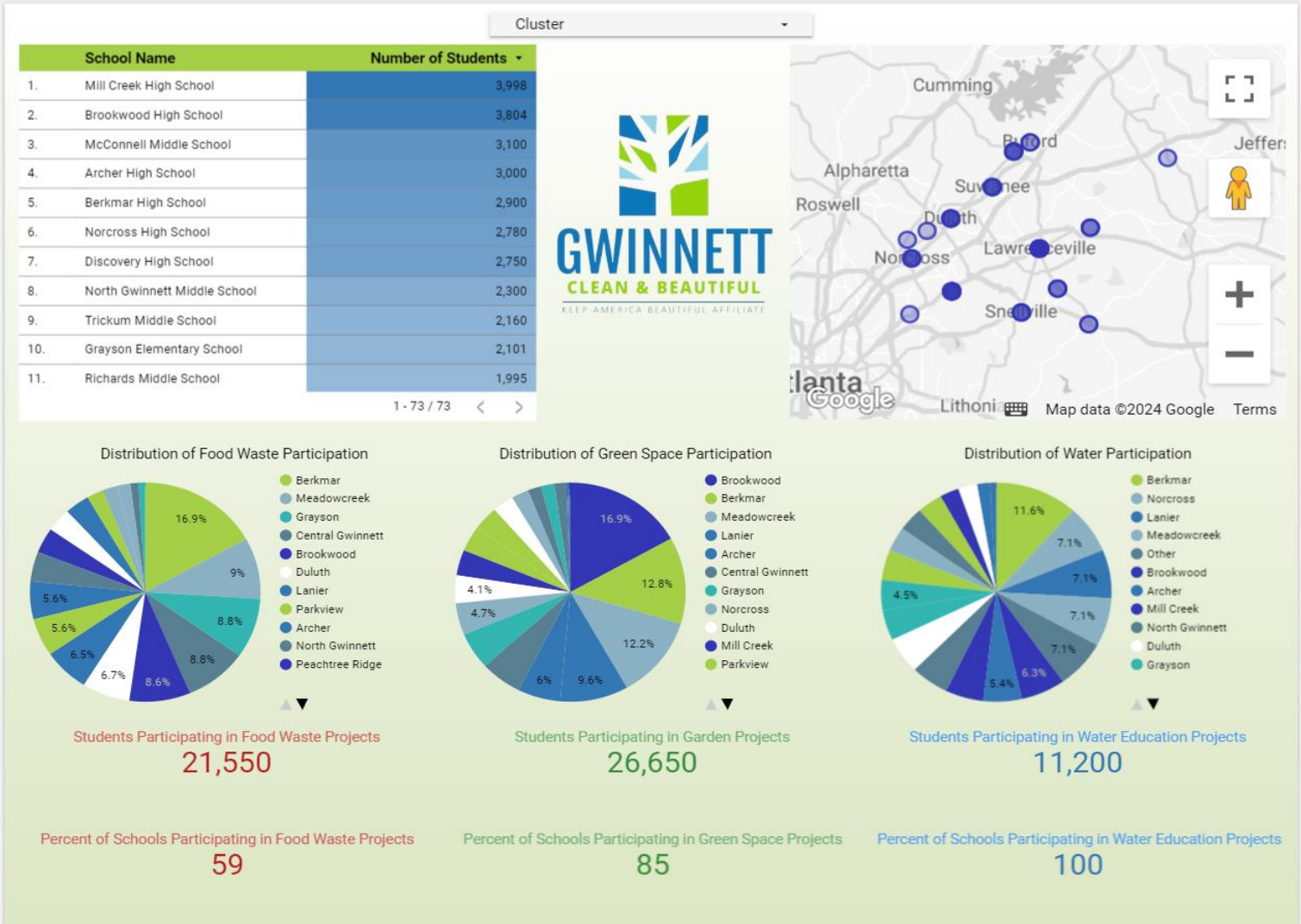
# DATA FLOW



# 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](#)



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# 06 Performance Overview

## Team Collaboration & Roles

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

## Compliance & Standards

Ensuring project activities and deliverables meet specified requirements

## Emphasis on Delivering Value

Focusing efforts on delivering tangible and meaningful results

## User Feedback

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

## Adaptability

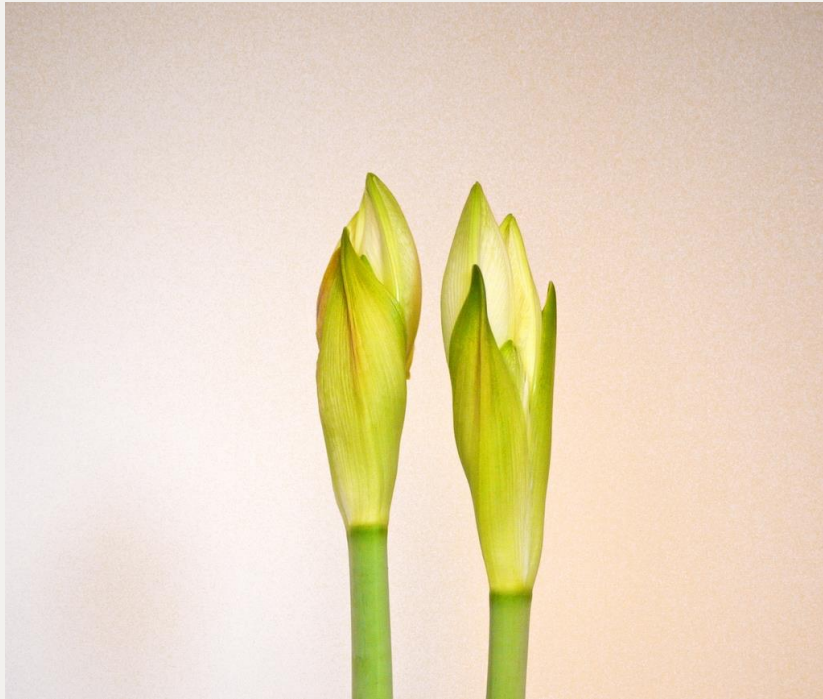
Emphasizing agile practices, we prioritized collaboration and iterative development

## Continuous Improvement

Regularly seeking ways to optimize and refine project approaches

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# 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

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# Goals for Sprint 2



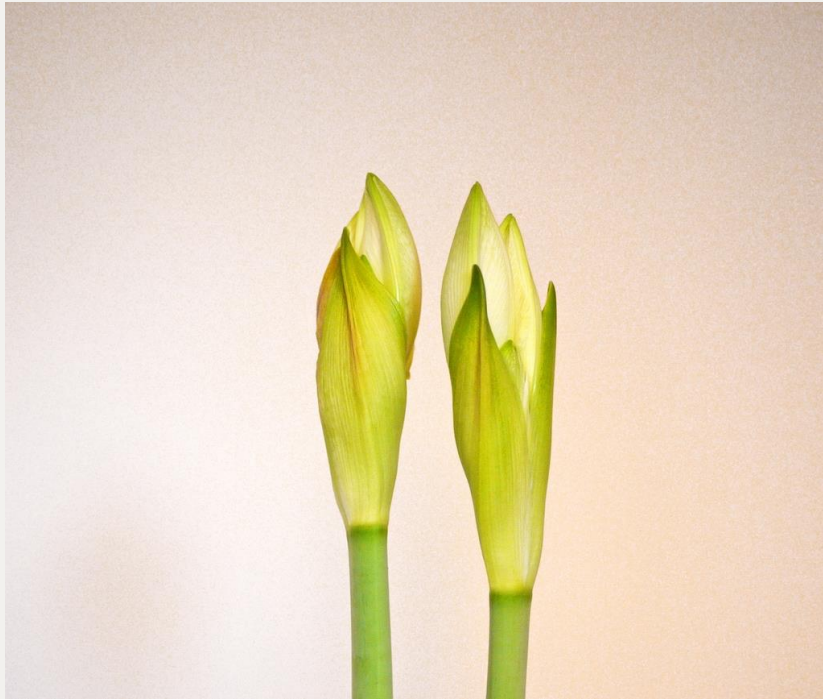
1. Finalize Form
2. Edit code and database configuration
3. Meet with SD team
4. Merge our code with SD
5. Work on Web Design
6. Create Analyzing Tools



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# 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.

