MICHIGAN STATE
UNIVERSITY

Beta Presentation
Remote Wildlife Habitat Monitoring System

The Capstone Experience

Team GM WHMS

Sanjay Bhuvaneswaran

Anna Clark

Jude Cox

Chase Halligan

Jacob Walsh

Kevin Zhang

Department of Computer Science and Engineering
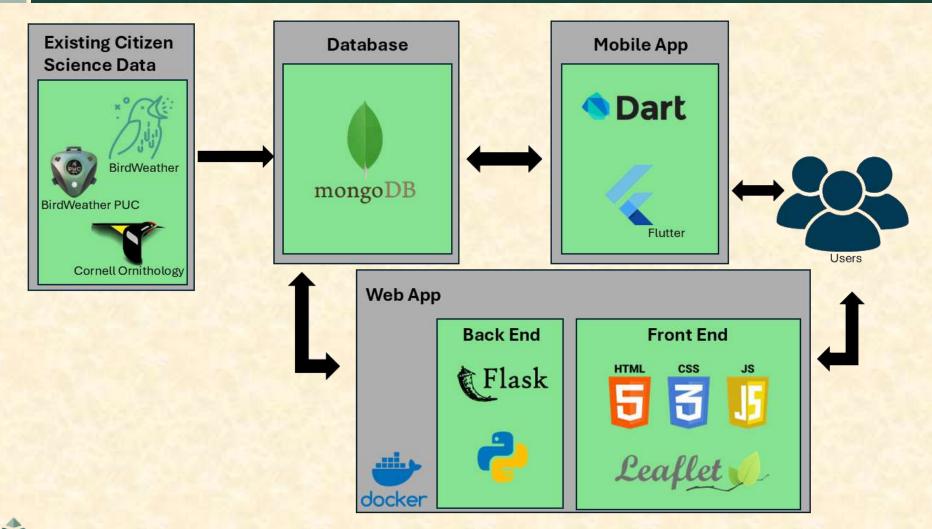
Michigan State University

Fall 2024

From Students…
…to Professionals

Project Overview

- **Problem:** Biodiversity data management across multiple platforms is inefficient, complicating GM's habitat monitoring efforts and habitat certifications

- **Solution:** Centralized software to streamline data collection to offer user-friendly analysis and support on-the-go data upload

- **Impact:** Reduced manual species tracking and manual data aggregation, allowing GM employees to focus on strategic conservation and completing certifications
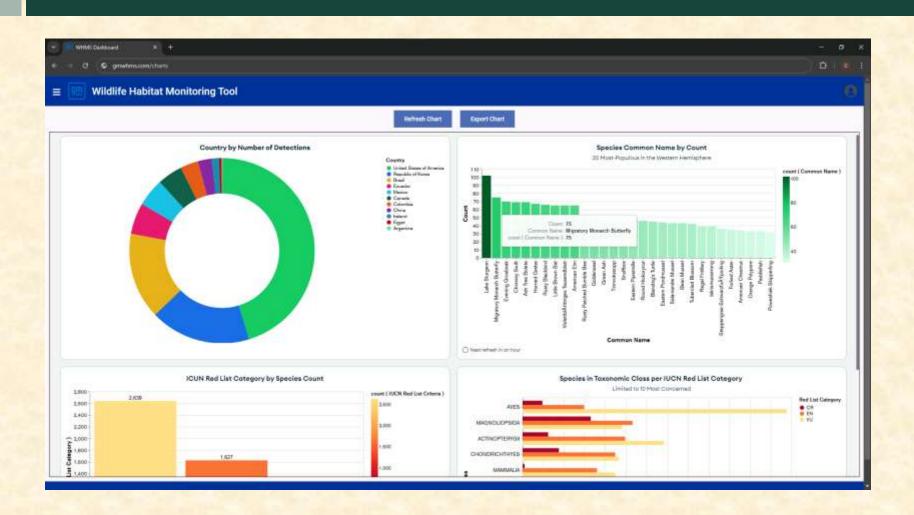
System Architecture

Live Exportable Charts
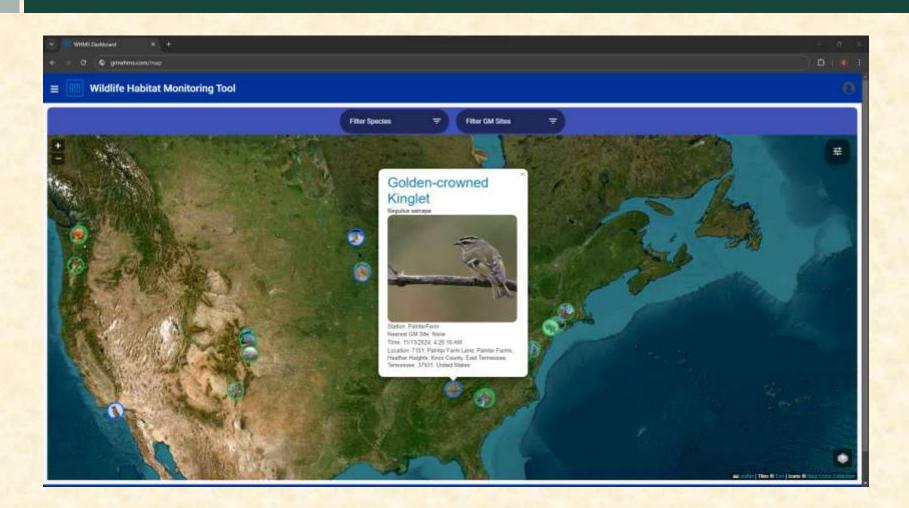
Interactive Web Map

Embedded Livestream Markers

IBAT Report

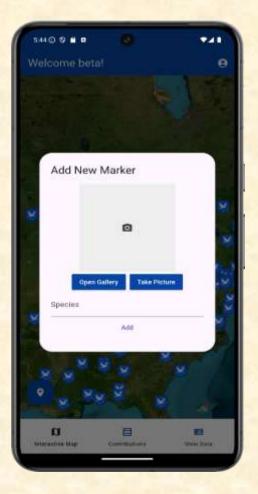# View User Contributions
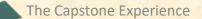
Mobile App Map + Add Data Popup

What's left to do?

- Features
- Stretch Goals
  - Increase Amount of Data for Analysis
  - GM Specific Chronolog Links
- Other Tasks
  - System Documentation
  - Overall Optimization
  - Upgrading Database Storage

Questions?

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