

**MICHIGAN STATE**  

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**UNIVERSITY**

# Beta Presentation

## ERP Reserve Preservation Platform

### The Capstone Experience

#### Team Evolution

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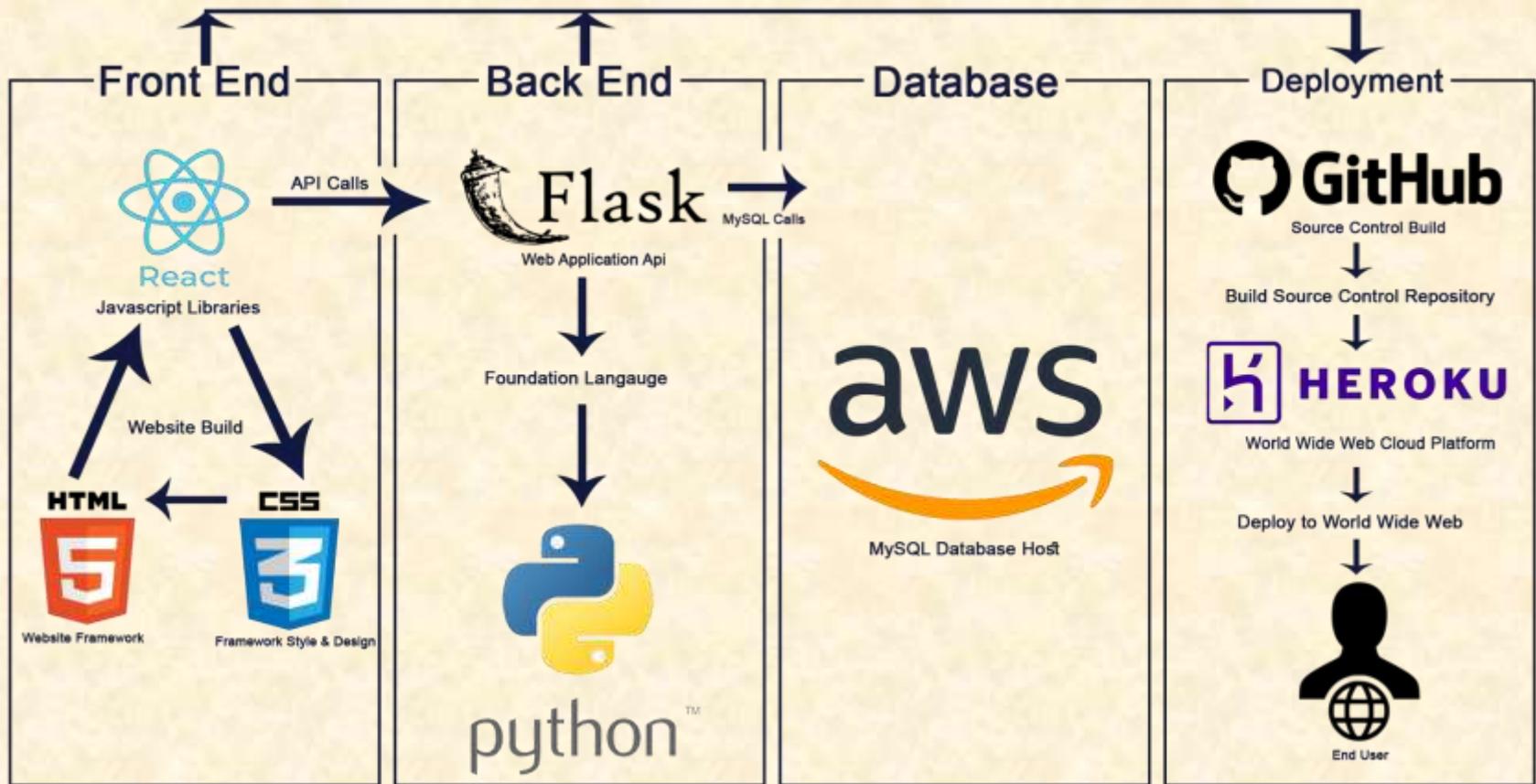
*From Students...  
...to Professionals*

# Project Overview

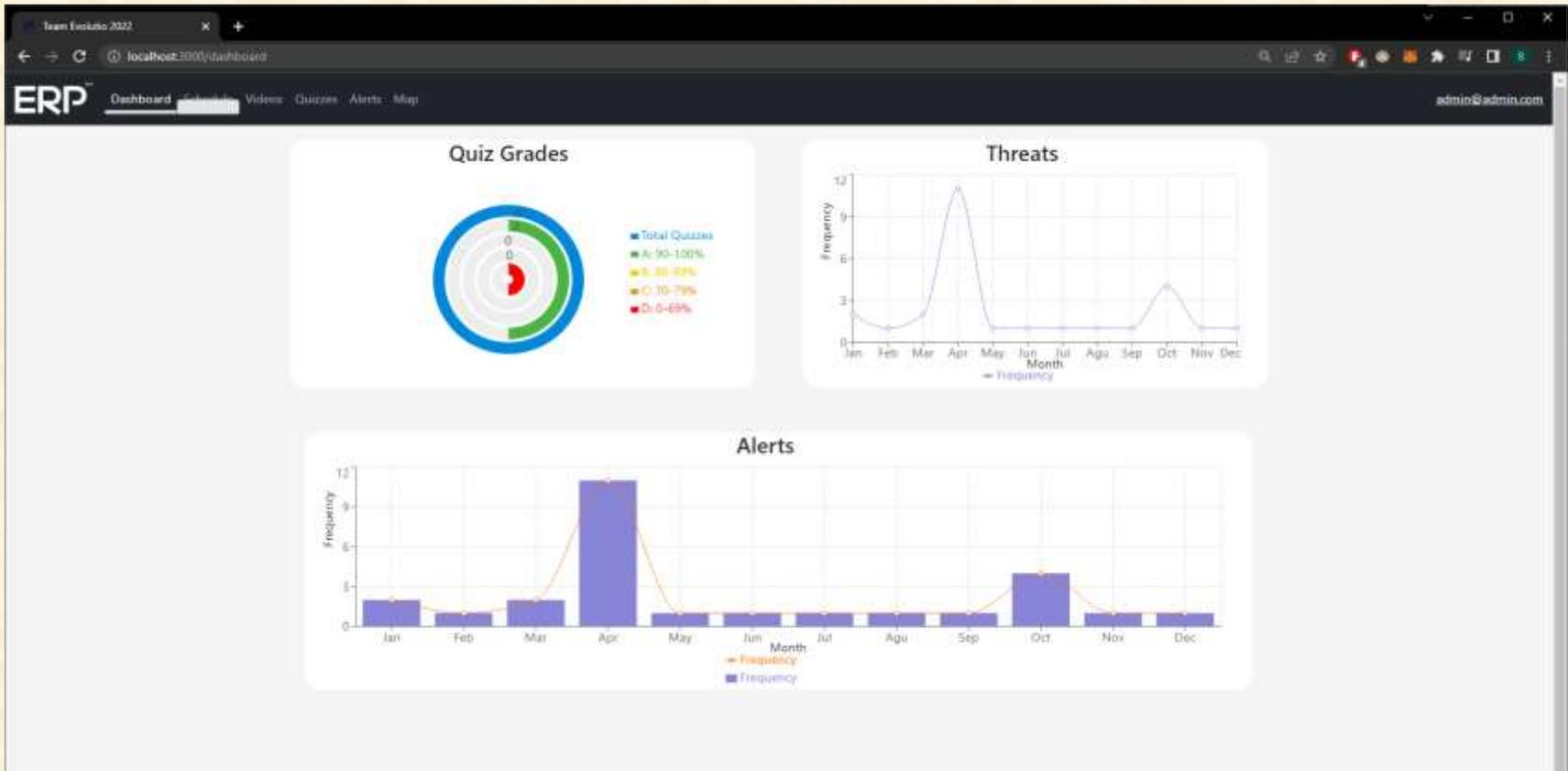
- Provide ERP with a platform that integrates all their security tools and reserve management systems in one user-friendly place
- Secure user authentication with a work scheduling system
- Quizzing system to test knowledge and train employees
- System to watch and store drone footage
- Security alerts for rangers on the reserve
- GPS tracking of elephants and rhinos with an embedded livestream



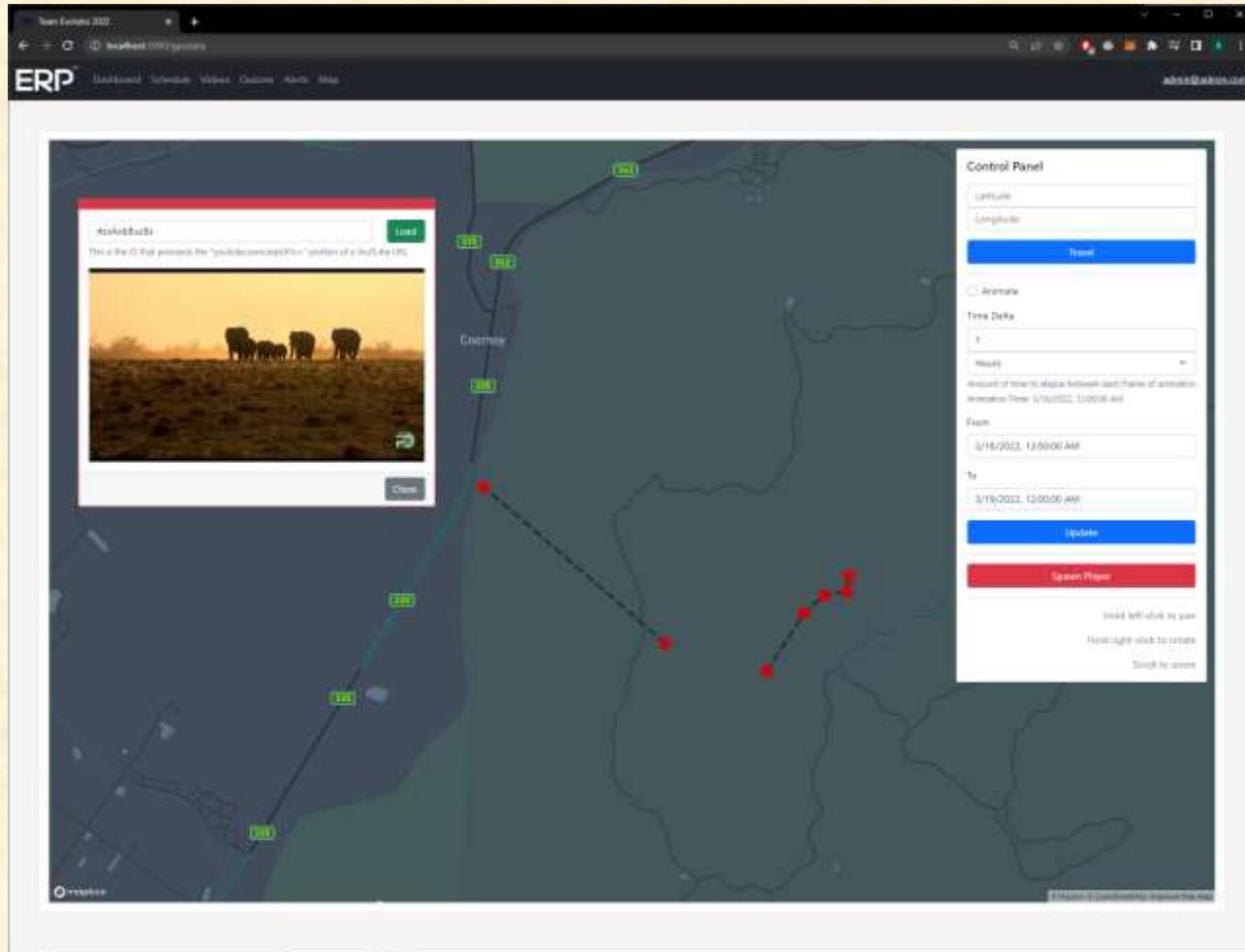
# System Architecture



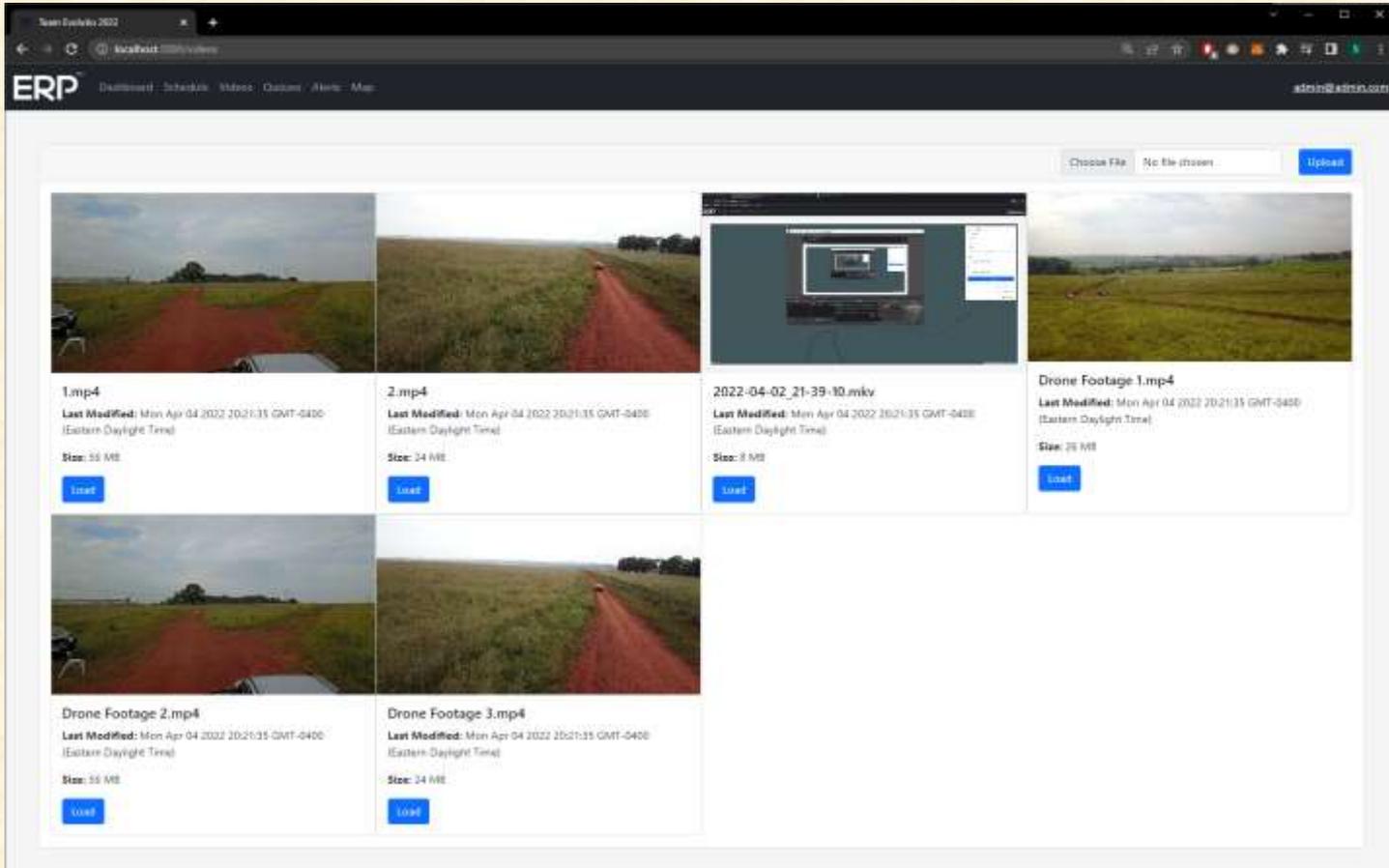
# Dashboard



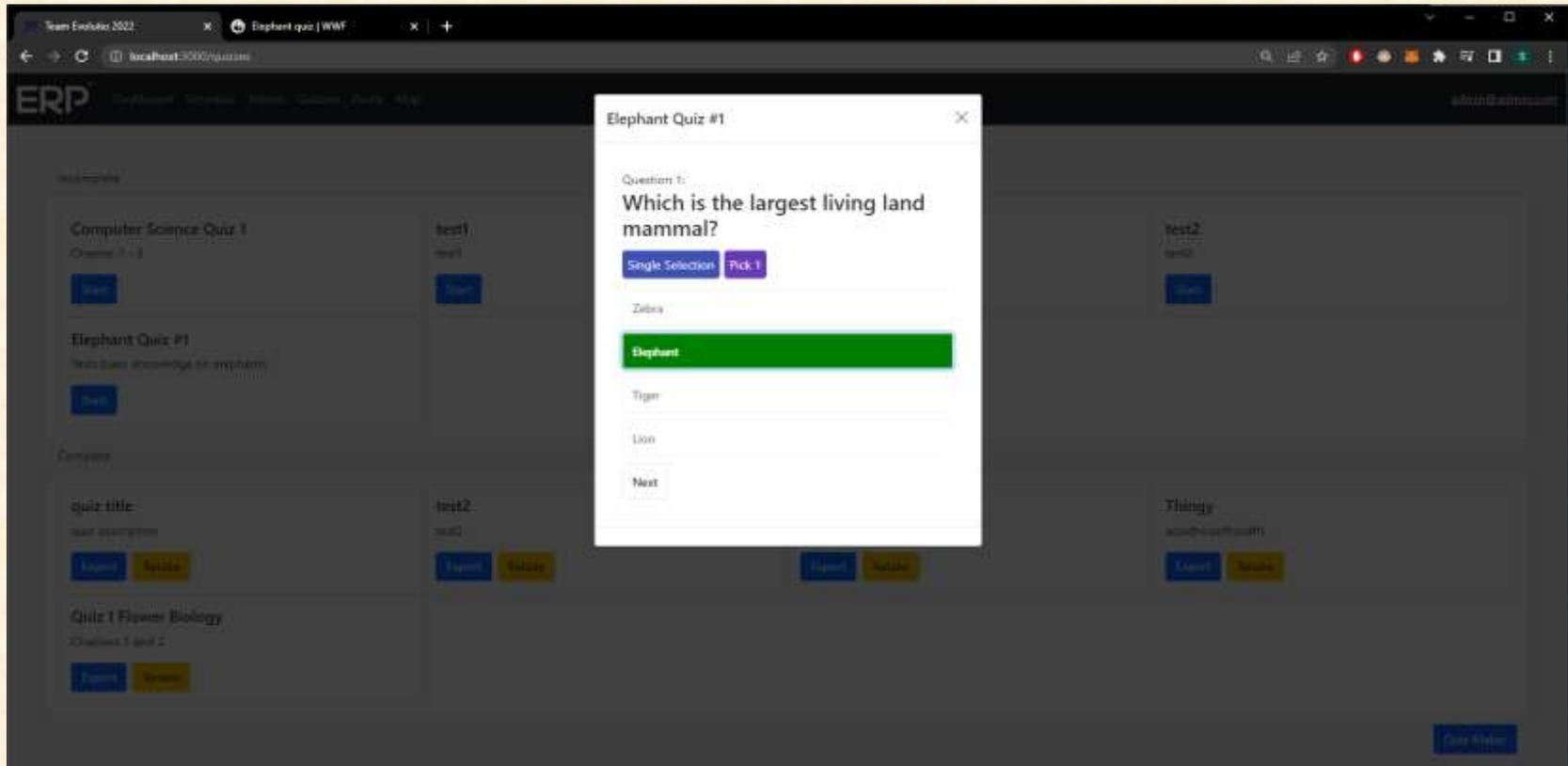
# GPS Tracking and Stream



# Video System



# Quiz System



# What's left to do?

- Features
  - Provide success/failure messages for systems that require user input
  - Use authorization tokens instead of user ID in local storage for security
- Stretch Goals
  - None
- Other Tasks
  - Improve the code's modularization for future groups that will take over



# Questions?

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