Alpha Presentation
ERP Reserve Preservation Platform

The Capstone Experience

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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 of those interested of being on the reserve
- Security alerts and security live stream footage and drone footage of the reserve available to rangers
- GPS tracking of elephants and rhinos can be viewed
System Architecture

Front End
- React
- API Calls
- Website Build
- HTML
- CSS
- Javascript Libraries
- Framework Style & Design

Back End
- Flask
- Web Application API
- Foundation Language
- Python
- Database Failure
- MySQL Cells

Database
- NAVISITE
- MySQL Database Host
- CLEARDB
- MySQL Database Manager

Deployment
- GitHub
- Source Control Build
- Build Source Control Repository
- Heroku
- World Wide Web Cloud Platform
- Deploy to World Wide Web
- End User
Dashboard

Quiz Grade

Threats

Alerts
Scheduling System

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Quizzing System

You have completed the quiz. You got 2 out of 4 questions. You scored 50 out of 100.

Q1: Which of the following is true?

- **Single Selection** Pick 1

  - Elephants are social animals and Rhino are solitary
  - Elephants are solitary animals and Rhino are social
  - Elephants and Rhino are both social animals
  - Elephants and Rhino are both solitary animals
Video Player

Drone Footage Videos

Drone Footage 3
What’s left to do?

• Wrap up all current systems (quiz, video, alerting)
• GPS tracking
• Live streaming
• Admin pages
• Logout flow
Questions?