Beta Presentation

#BIKES4ERP Tracking Initiative

The Capstone Experience

Team Evolutio

Caleb Duchan
Yash Sharma
Sam Peterson
Phillip Nguyen-Phan

Department of Computer Science and Engineering
Michigan State University
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Project Overview

- Evolutio supports Elephants, Rhinos & People (ERP) on the #BIKES4ERP Initiative.
- #BIKES4ERP provides and maintains bicycles for students in Southern Africa, getting them to school faster and energized!
- The #BIKES4ERP Tracking Initiative consists of applications to streamline bike maintenance and organization.
- The applications track bike breakdowns, checkins, and help ERP Admins track the success of the program.
System Architecture

The diagram illustrates the system architecture for the project. It shows the integration of devices and web applications with server contents and cloud services. The main components include:

- **Teacher's App**
- **Mechanic's App**
- **ERP Admin Web app**

These devices connect to the **Server Contents** layer, which includes **Cloud Business Logic**.

- **Cloud Function for Firebase**
- **Firebase Authentication**
- **Cloud Firestore**

The **Web App Frontend** is built using technologies like HTML, CSS, JavaScript, React, and node.js, with Firebase Hosting as the backend.

This architecture ensures seamless interaction between the different elements of the system.
Website Overview Page

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Website Bike Page
Mechanic App Inventory Screen
Mechanic App Repair Ticket Screen
What’s left to do?

- **Website**
  - Add security rules
  - Complete Personnel Page
  - Implement ERP design system
  - Improve usability and visual design for ease of use

- **Apps**
  - More notifications to keep user informed
  - Sending out order bundles to ERP
  - Updating app UI based on ERP branding
  - Improve usability and visual design for ease of use
Questions?