MICHIGAN STATE
U N I V E R S I T Y

Alpha Presentation #BIKES4ERP Tracking Initiative

The Capstone Experience

Team Evolutio

Caleb Duchan
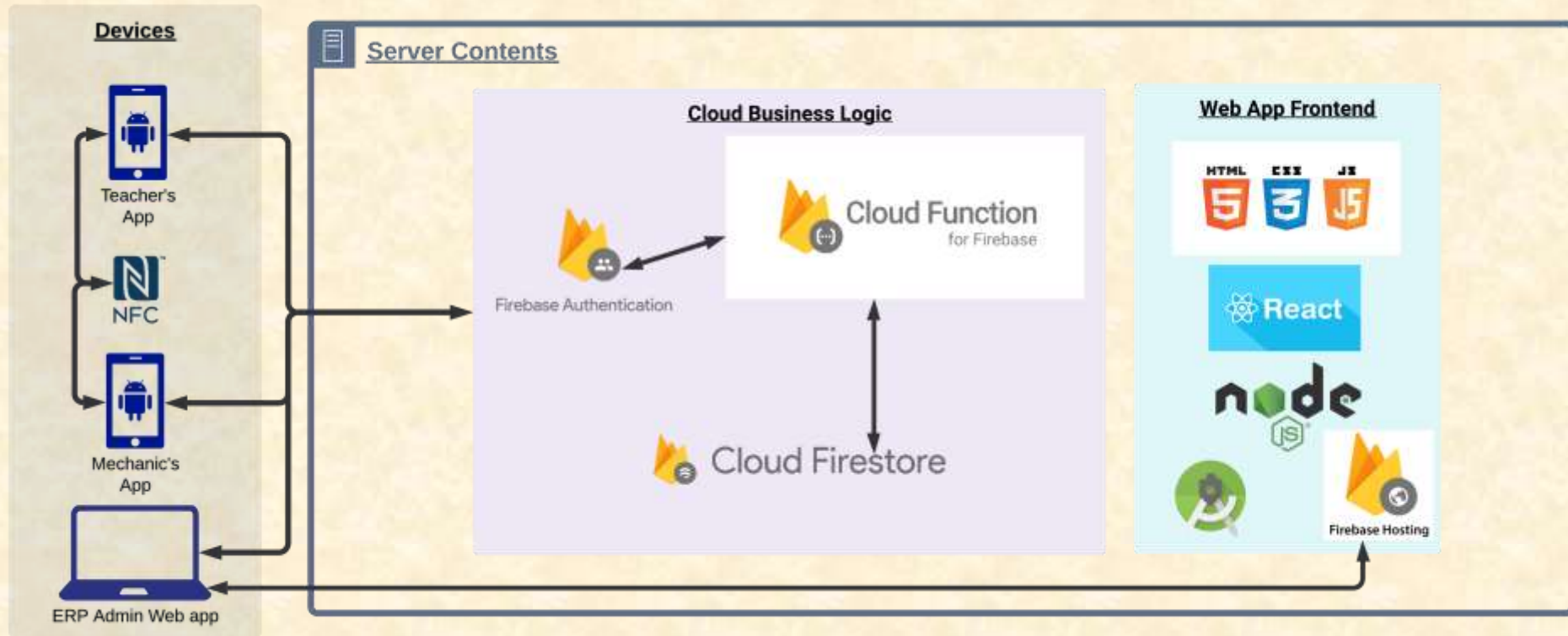Yash Sharma
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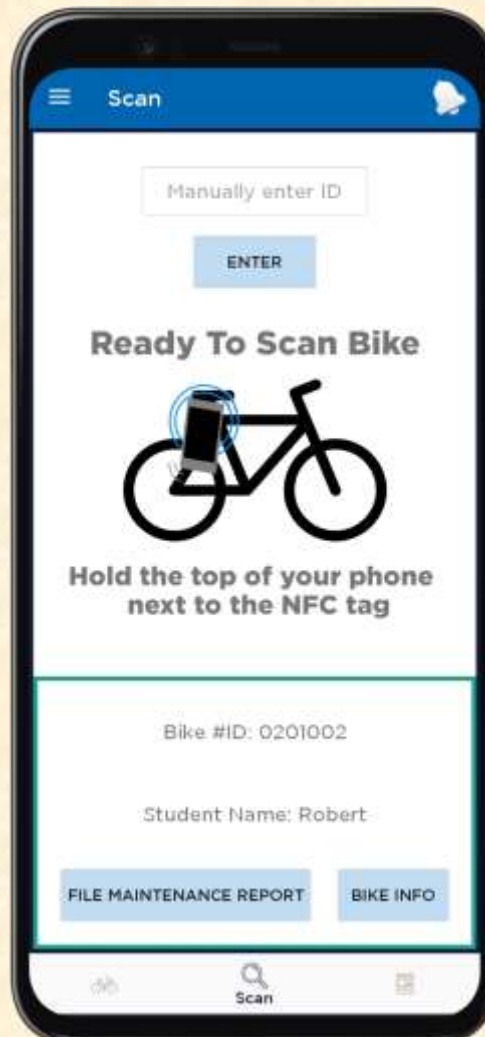Fall 2020

From Students…
…to Professionals

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 maintainence and organization.

- The applications predict bike breakdowns, needed parts, and help ERP Admins track the success of the program.
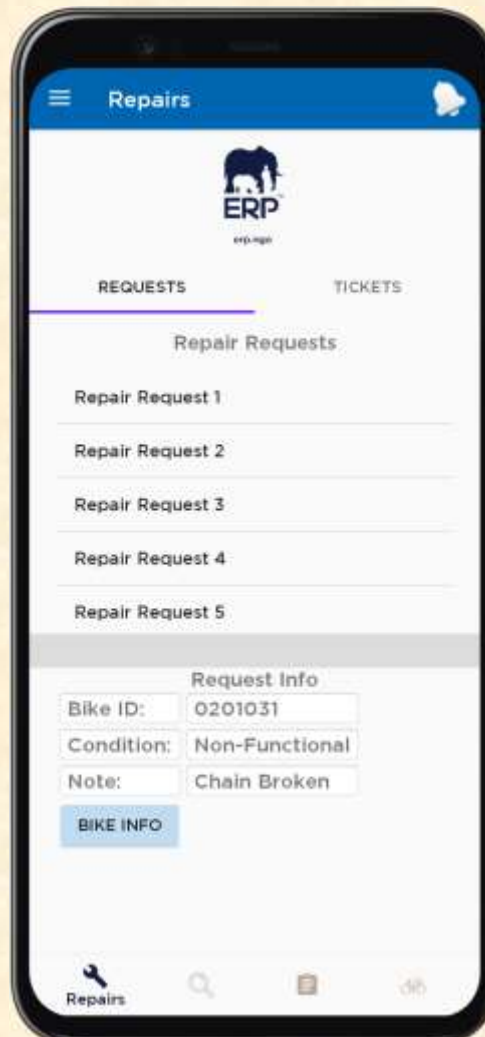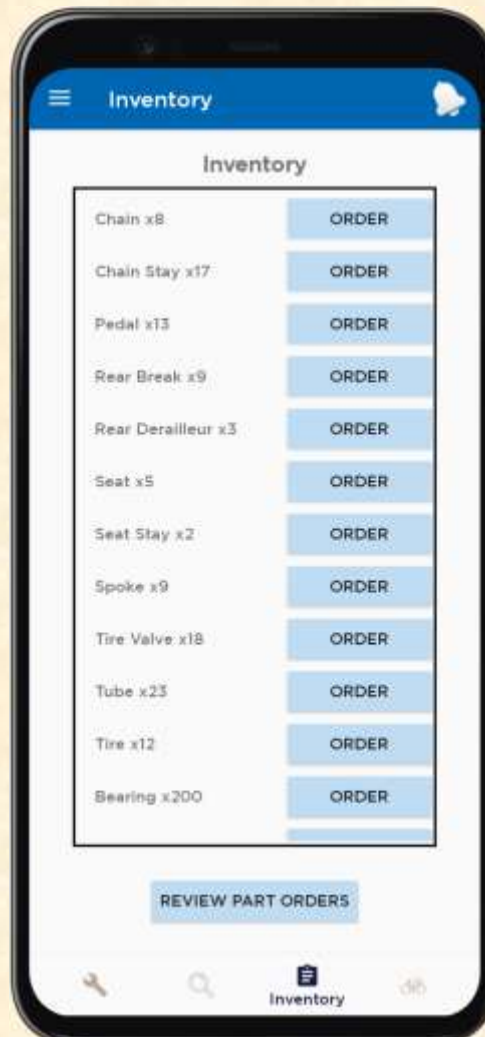
System Architecture

Teacher's Scan Page

Mechanic's Bikes Page

Mechanic's Repair Request Tab

Mechanics Inventory Page

What's left to do?

- Add Error Handling

- Filtering bike results

- Bikes assigned to specific users

- Notifications need to be added

- Implement Cloud functions

- Ordering parts functionality

Questions?