

MICHIGAN STATE

UNIVERSITY

Beta Presentation

#BIKES4ERP Tracking Initiative

The Capstone Experience

Team Evolution

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

Department of Computer Science and Engineering
Michigan State University

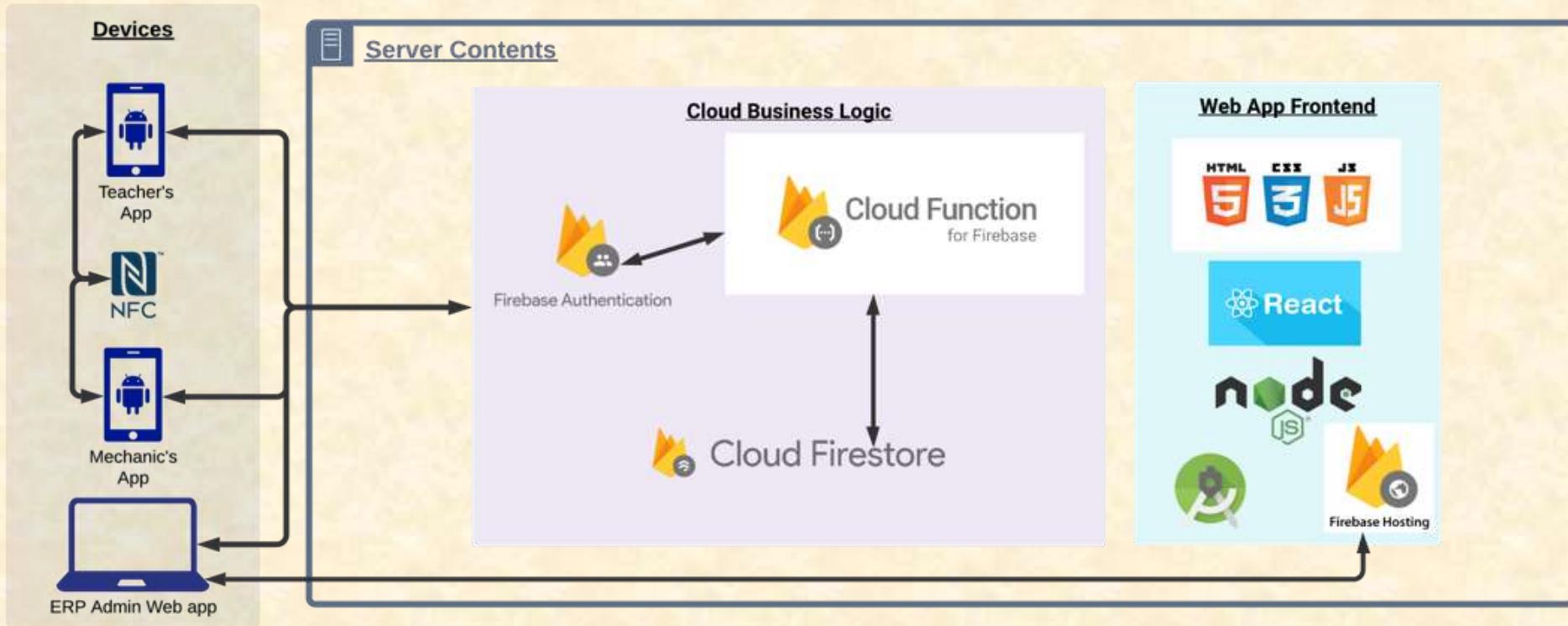
Fall 2020

Project Overview

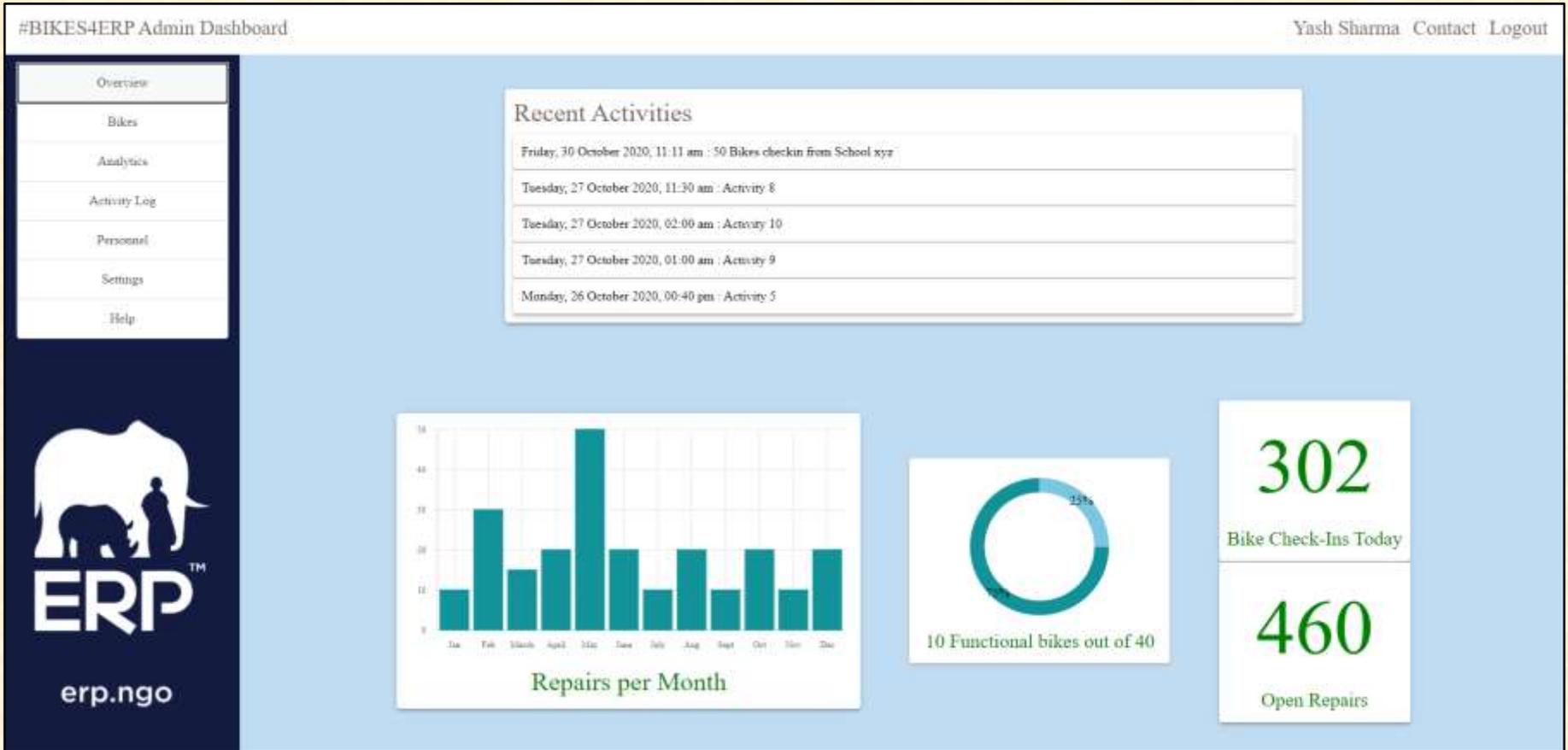
- Evolutio supports Elephants, Rhinos & People (ERP) on the #BIKES4ERP Initiative.
- #BIKES4ERP provides and maintains bicycles for students in Southern Africa, getting them to school faster and energized!
- The #BIKES4ERP Tracking Initiative consists of applications to streamline bike maintenance and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



System Architecture



Website Overview Page



Website Bike Page

#BIKES4ERP Admin Dashboard Yash Sharma Contact Logout

- Overview
- Bikes
- Analytics
- Activity Log
- Personnel
- Settings
- Help



ERPTM

erp.ngo

Bike Status ▼

Bike Model ▼

School ▼

From Date
08/18/2020

To Date
08/18/2020

[FILTER](#)

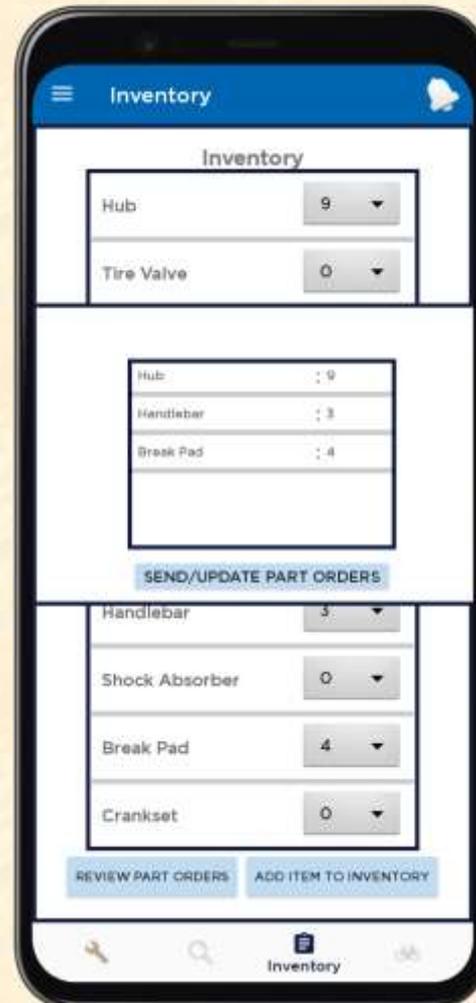
| |
|---------|
| 0201001 |
| 0201002 |
| 0202001 |
| 0202002 |
| 0202003 |
| 0203001 |
| 0203002 |
| 0203003 |
| 0204007 |

Bike # 0201001

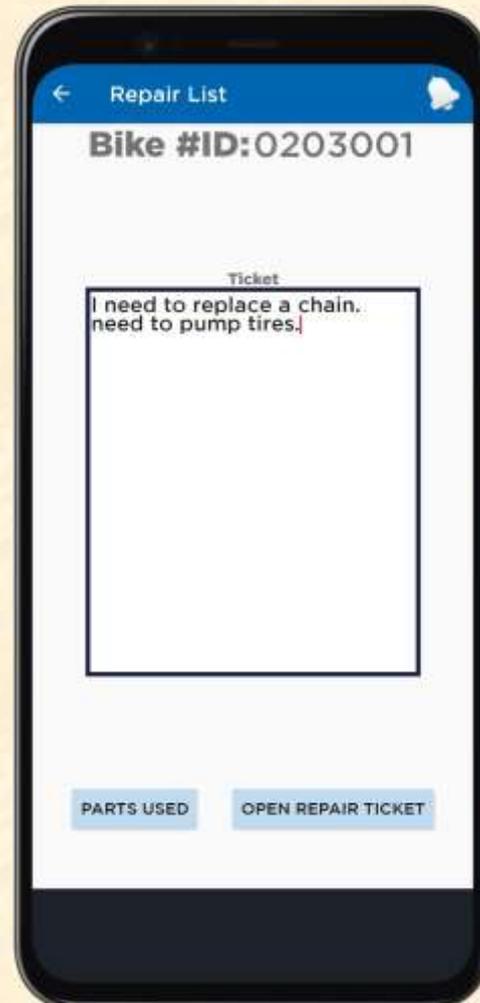
| |
|---|
| Condition : good |
| School : Castle of Good Hope |
| Date Registered : Tuesday, 10 November 2020, 05:58 pm |
| Last Checkin : Thursday, 19 November 2020, 00:00 am |
| Last Repair : Date: Tuesday, 10 November 2020, 11:32 am Repair Name: Brakes |
| NFC Id : 04-46-6d-17-10-02-89 |
| Status : in-use |
| Student Id : 504324 |



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?

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