



Beta Presentation

#BIKES4ERP Tracking Initiative

The Capstone Experience

Team Evolution

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

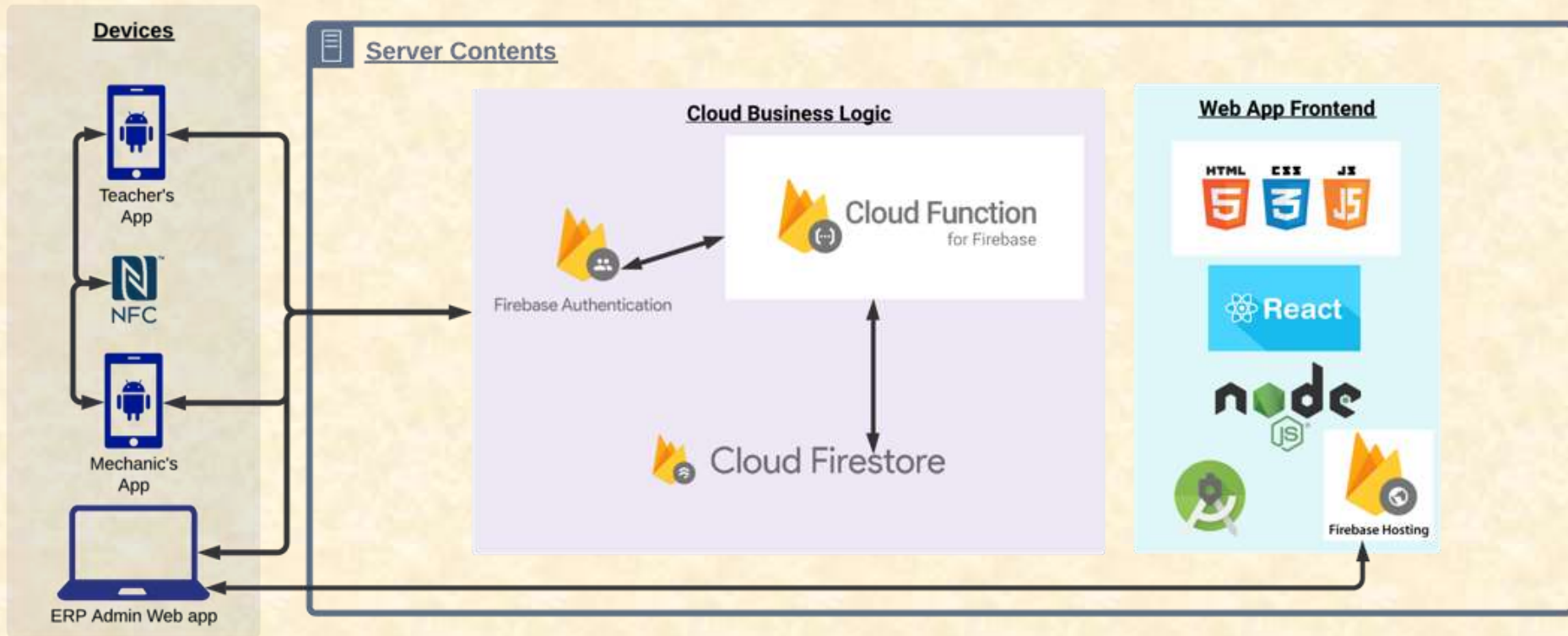
Department of Computer Science and Engineering
Michigan State University
Fall 2020

Project Overview

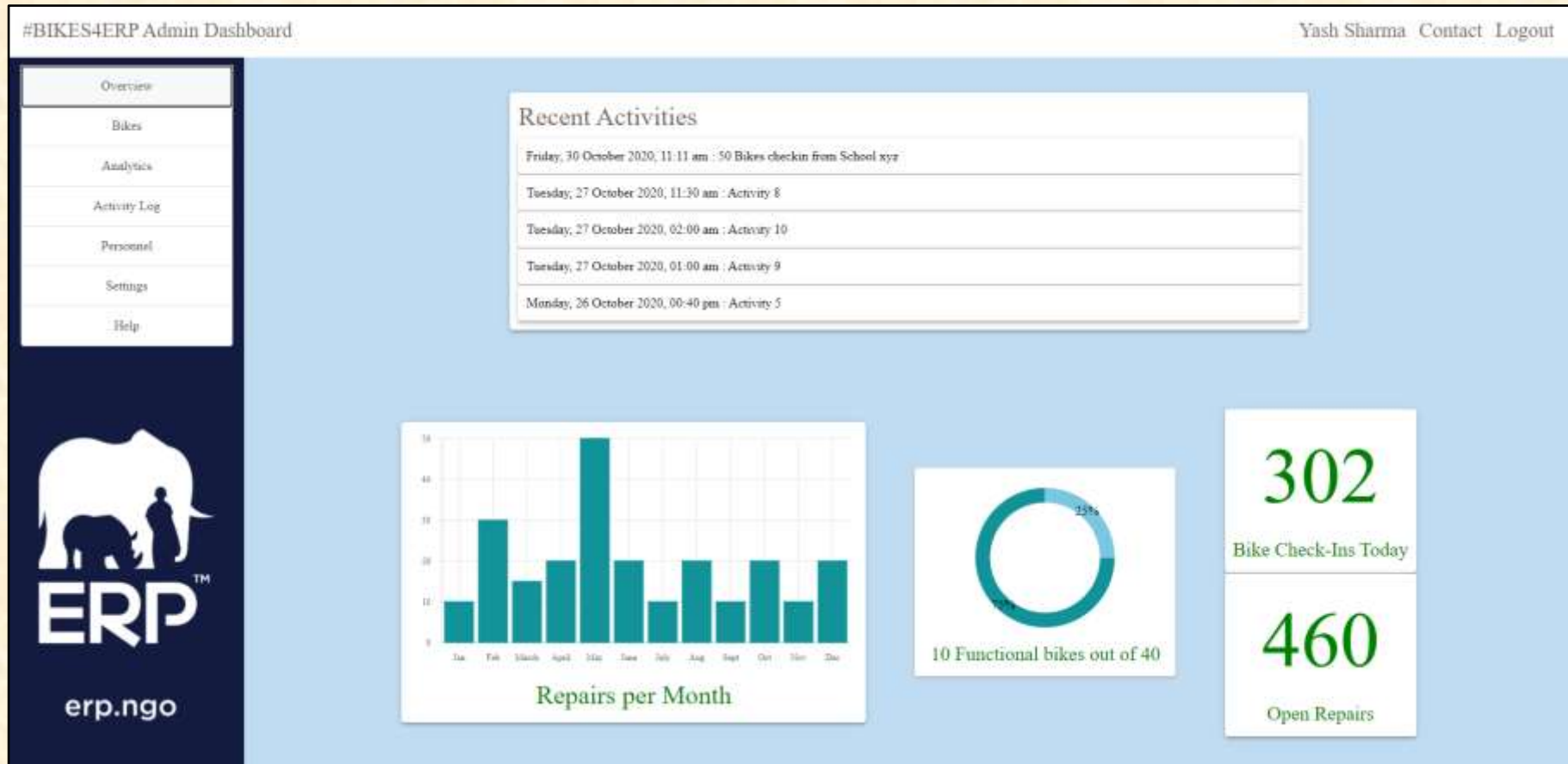
- Evolutio supports Elephants, Rhinos & People (ERP) on the #BIKES4ERP Initiative.
- #BIKES4ERP provides and maintains bicycles for students in Southern Africa, getting them to school faster and energized!
- The #BIKES4ERP Tracking Initiative consists of applications to streamline bike maintenance and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


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 : 564324



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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