

MICHIGAN STATE

UNIVERSITY

Beta Presentation

#BIKES4ERP

The Capstone Experience

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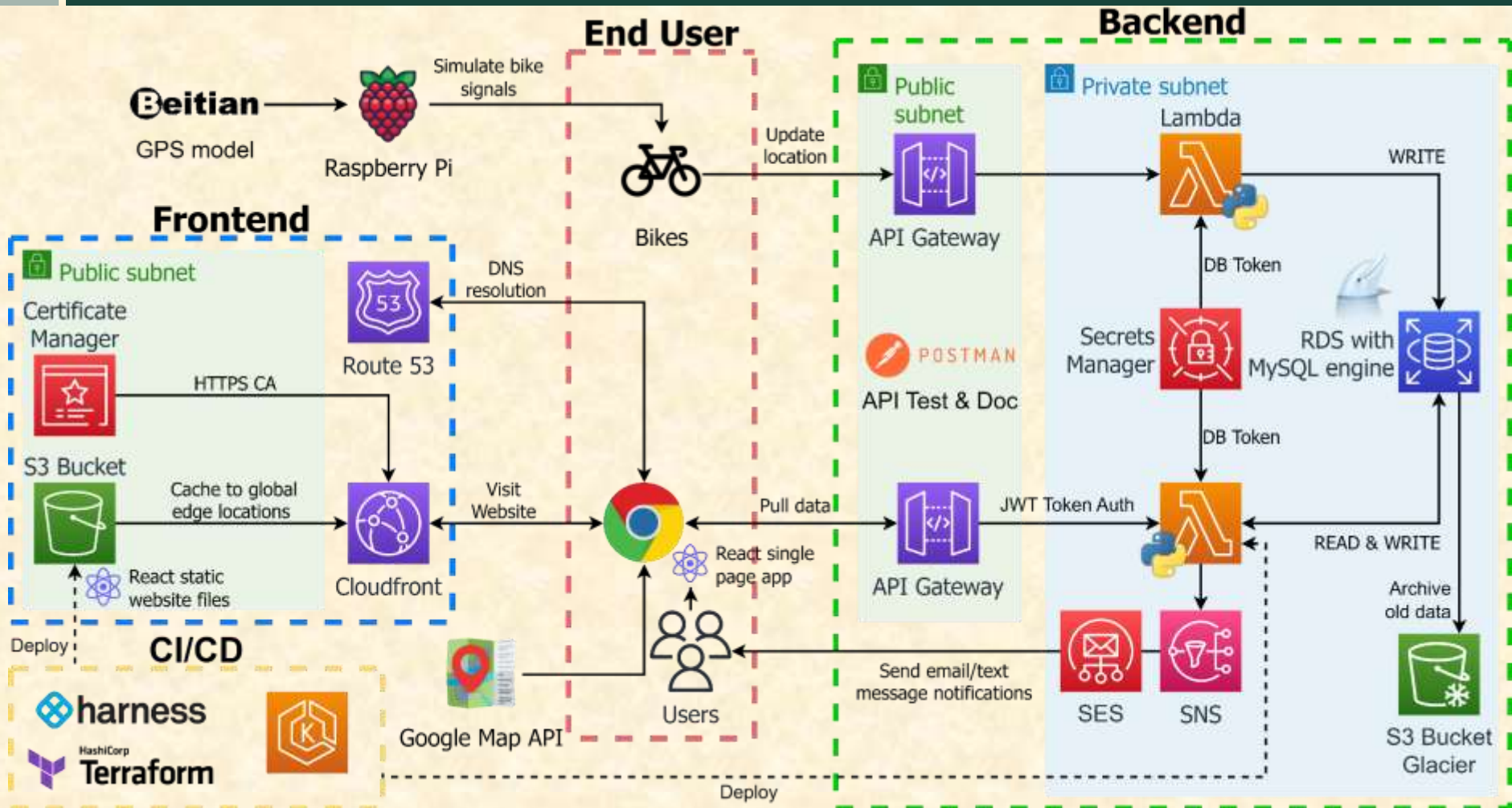
*From Students...
...to Professionals*

Project Overview

- #BIKES4ERP provides bikes for students in rural parts of South Africa.
- These bikes are difficult to recover if lost or stolen.
- Web app allows for tracking the location and status of bikes.
- Notifications are sent when a bike is stolen.



System Architecture

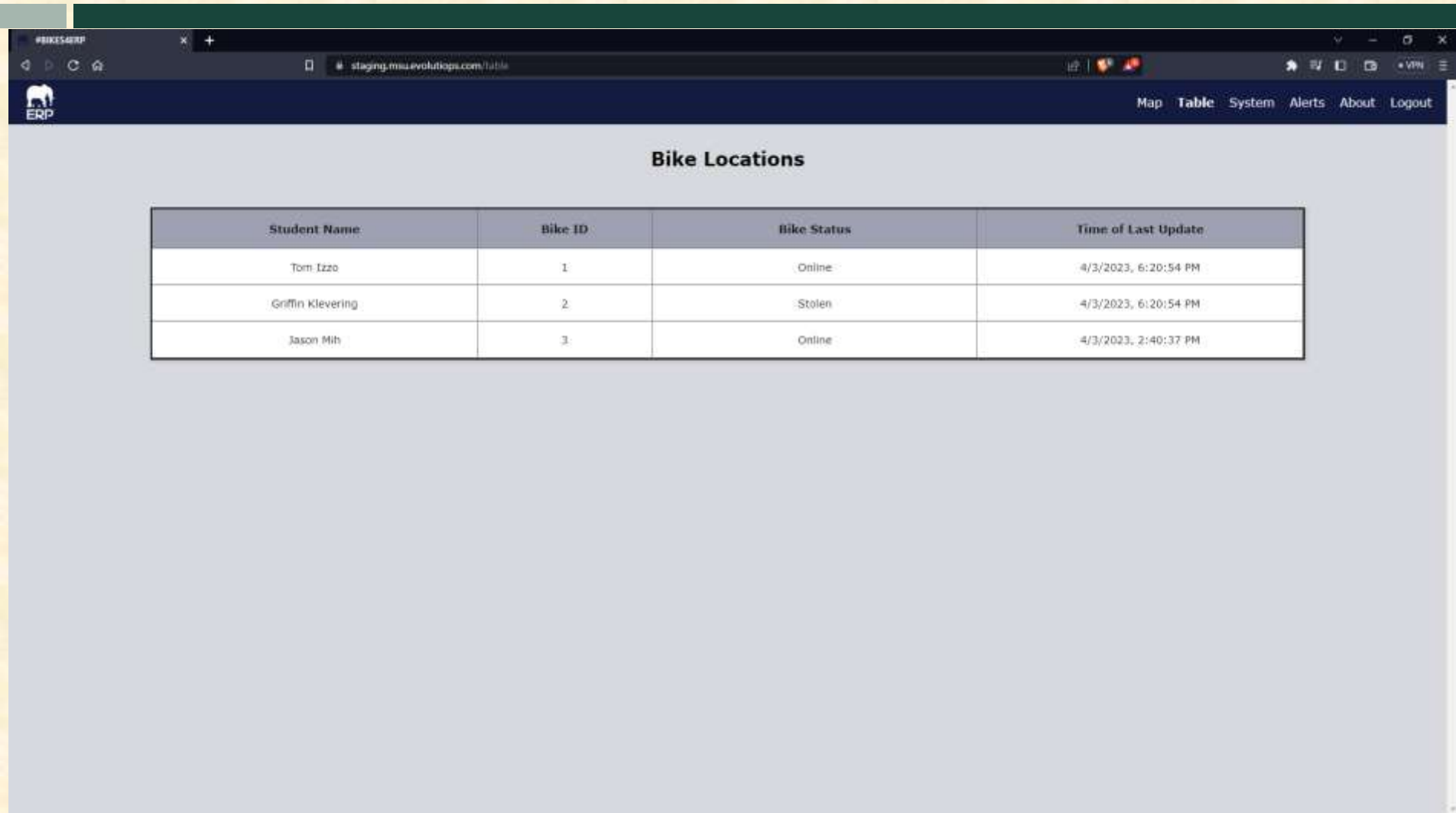


Map Screen

The screenshot shows a web browser window with the URL `staging.msu.evolutio.com`. The application header includes the ERP logo and navigation links: **Map**, **Table**, **System**, **Alerts**, **About**, and **Logout**. The main content area is titled **Bike Locations** and features a search bar labeled "Search student or bike ID...".

The map displays a geographic area in East Lansing, Michigan, with various landmarks and streets. A legend at the bottom of the map indicates three bike statuses: **Online** (represented by a blue bicycle icon), **Offline** (represented by a grey bicycle icon), and **Stolen** (represented by a red bicycle icon). A specific bike location is highlighted with a callout box: **Bike #2 Griffin Kievering**, located at **R 42.7312 W 84.4650**, with the last update on 2/2.

Table Screen

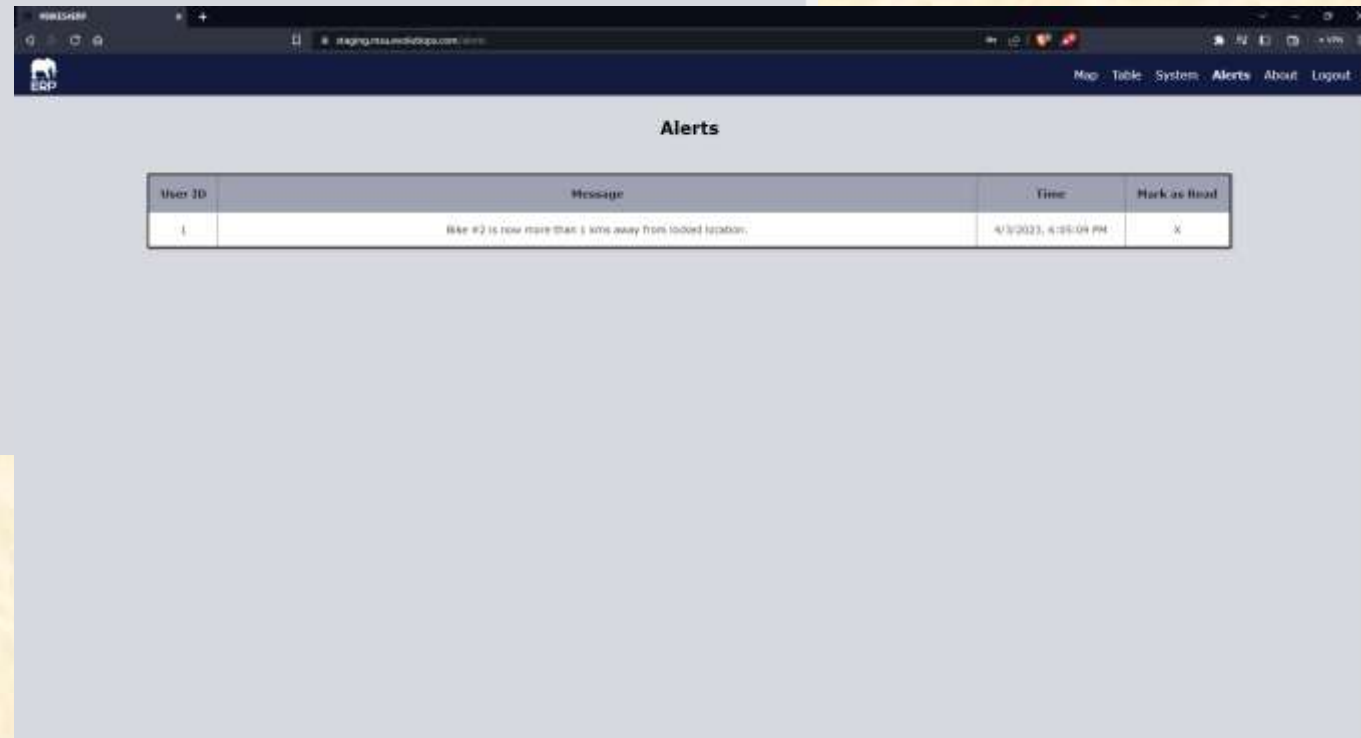
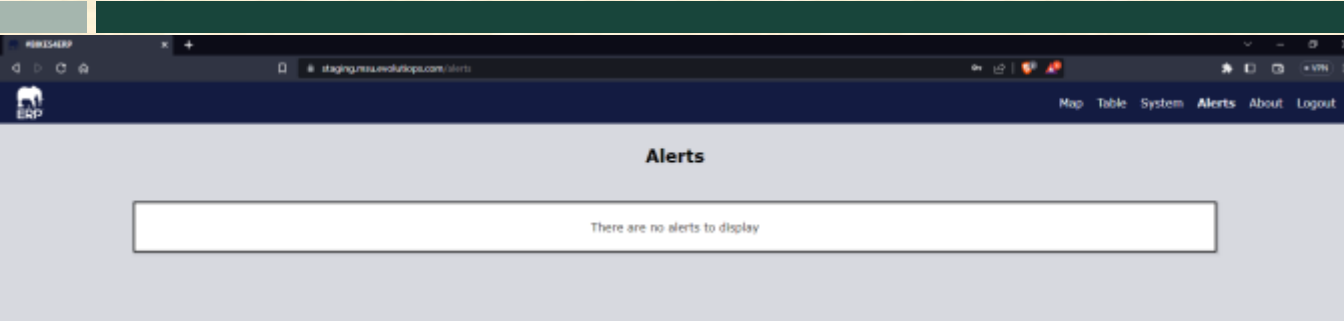


The screenshot displays a web browser window with the URL `staging.msu.evolutiops.com/table`. The page title is "Bike Locations". The table below lists the current status of three bikes.

Student Name	Bike ID	Bike Status	Time of Last Update
Tom Izzo	1	Online	4/3/2023, 6:20:54 PM
Griffin Klevering	2	Stolen	4/3/2023, 6:20:54 PM
Jason Mih	3	Online	4/3/2023, 2:40:37 PM



Alerts Screen



Systems Screen

#BIKES4ERP

staging.msu.evolutiops.com/system

Map Table **System** Alerts About Logout

ERP

Add a New Bike

Add Bike to a Student

Change Status of a Bike

Register a New User

Change Information

Lock Bike

Change Status of a Bike

Bike ID:

Change status to:

Submit

- Online
- No Response/Lost
- Stolen
- Maintenance/Offline

What's left to do?

- Features
- Stretch Goals
 - Text based alerts.
 - Native mobile app.
 - Extra information from bikes (time in motion, distance).
 - Styling of alert emails.
- Other Tasks
 - Bug fixing.
 - Styling of system components.



Questions?

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