MICHIGAN STATE UNIVERSITY

Alpha Presentation
Shared Parking Access

The Capstone Experience

Team Bedrock Detroit

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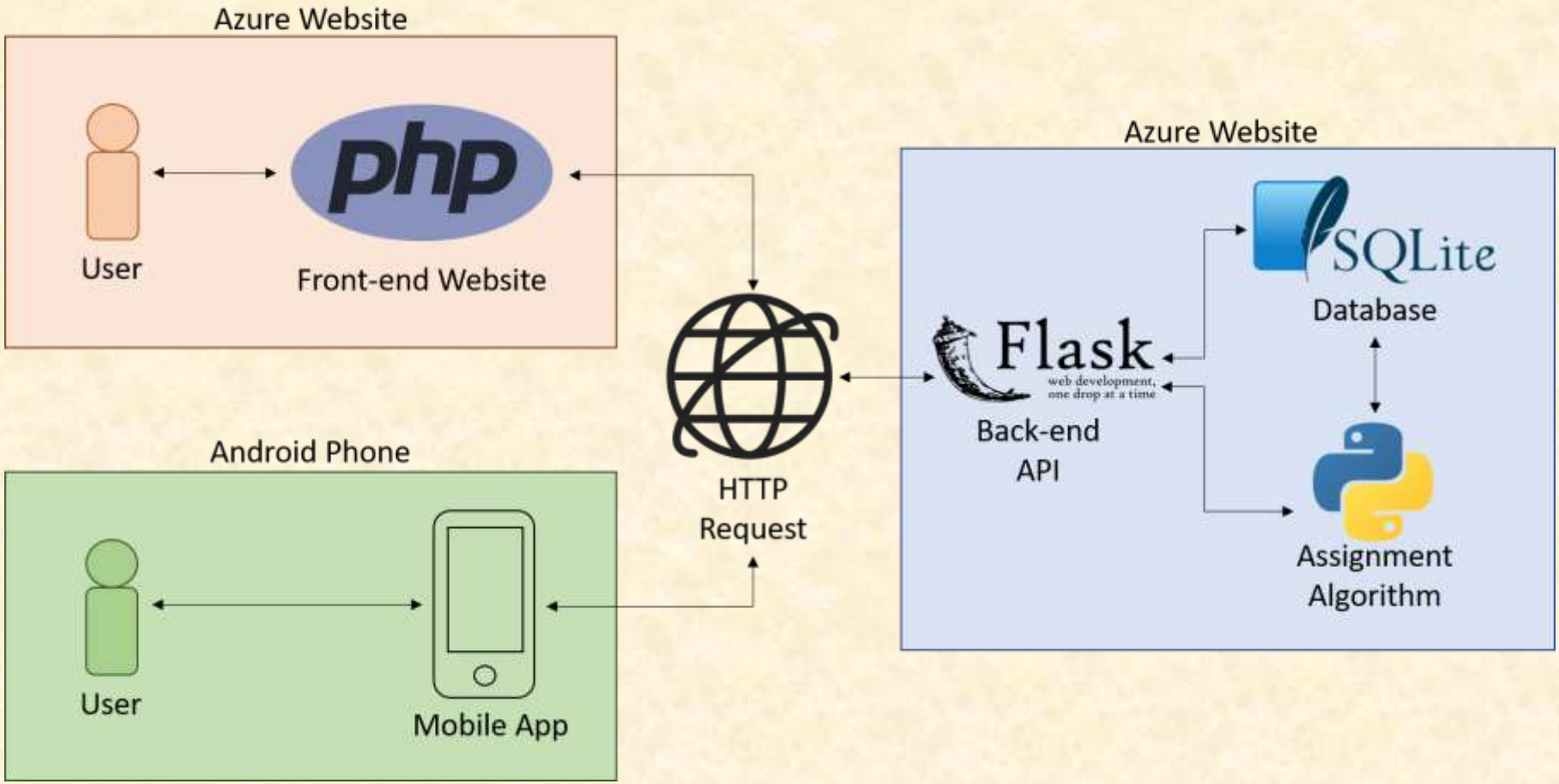
From Students…
…to Professionals

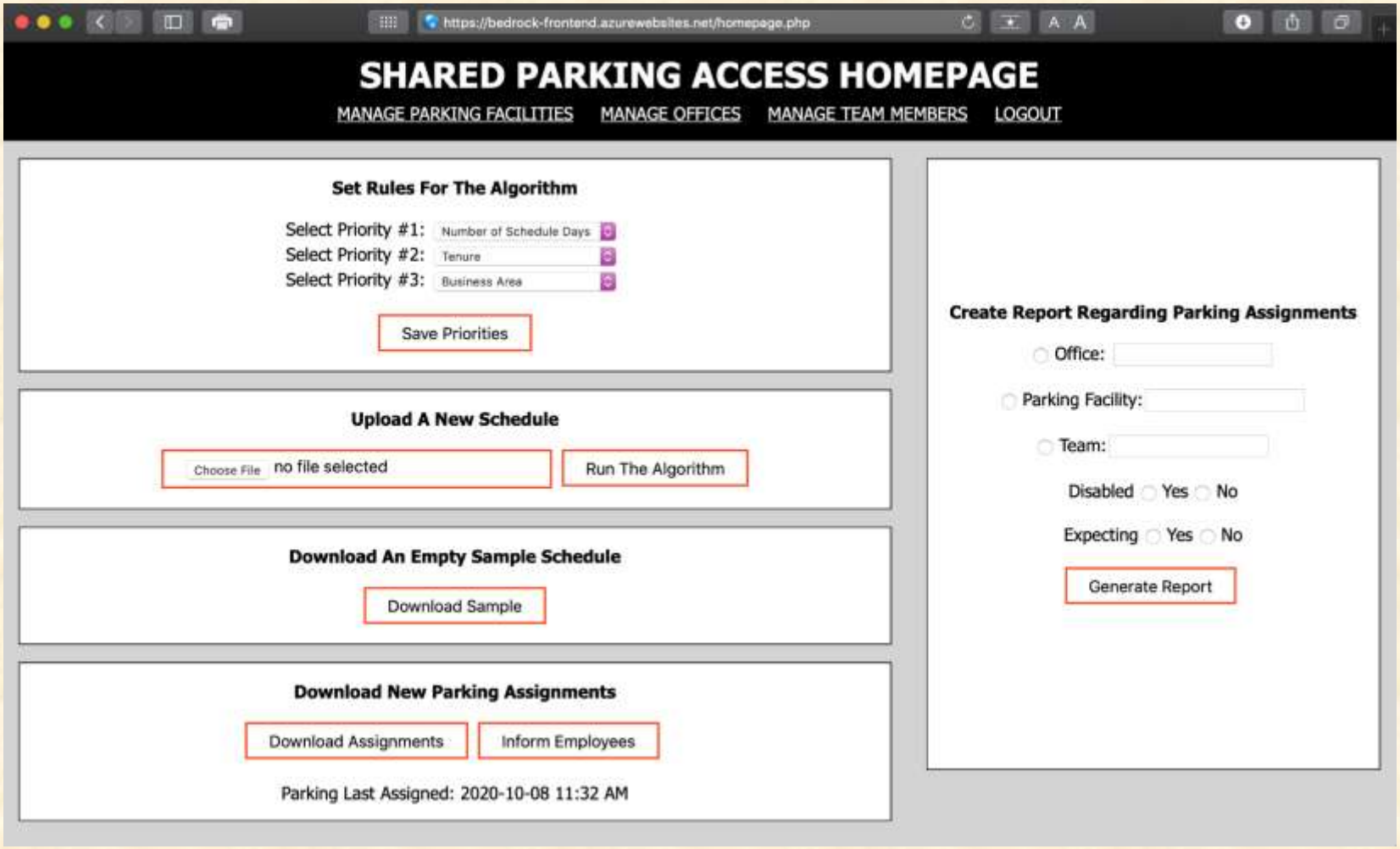
Project Overview

- Rock FOC has found that employees prefer working in a hybrid format
- Create an application that allows Bedrock administrators to manage 25,000+ employees' parking assignments
- Assign optimal parking based on each individual's schedule, tenure, and business area through a dynamic algorithm
- Build a front-end website for Bedrock administrators a mobile app for employees

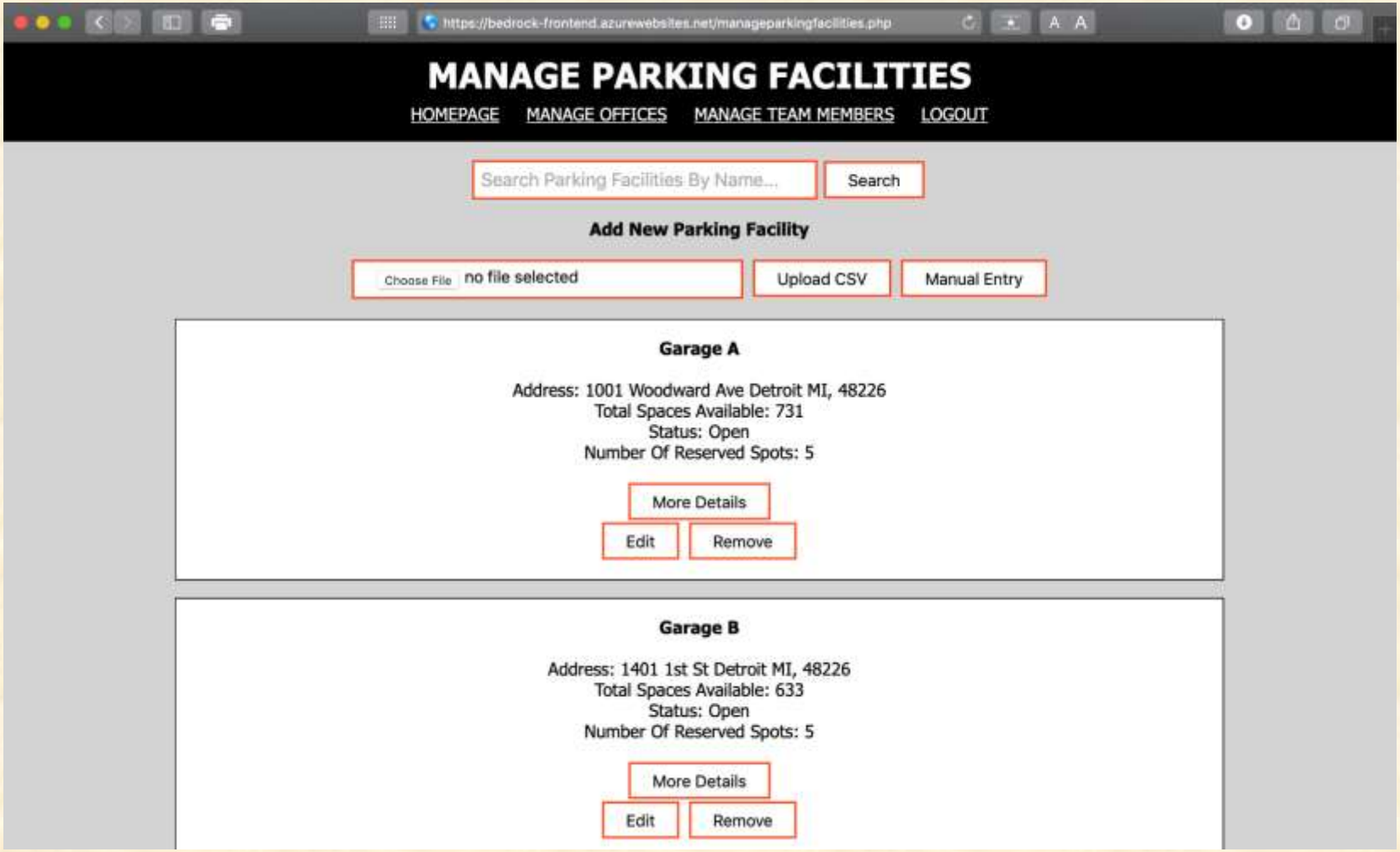
System Architecture



Website Homepage

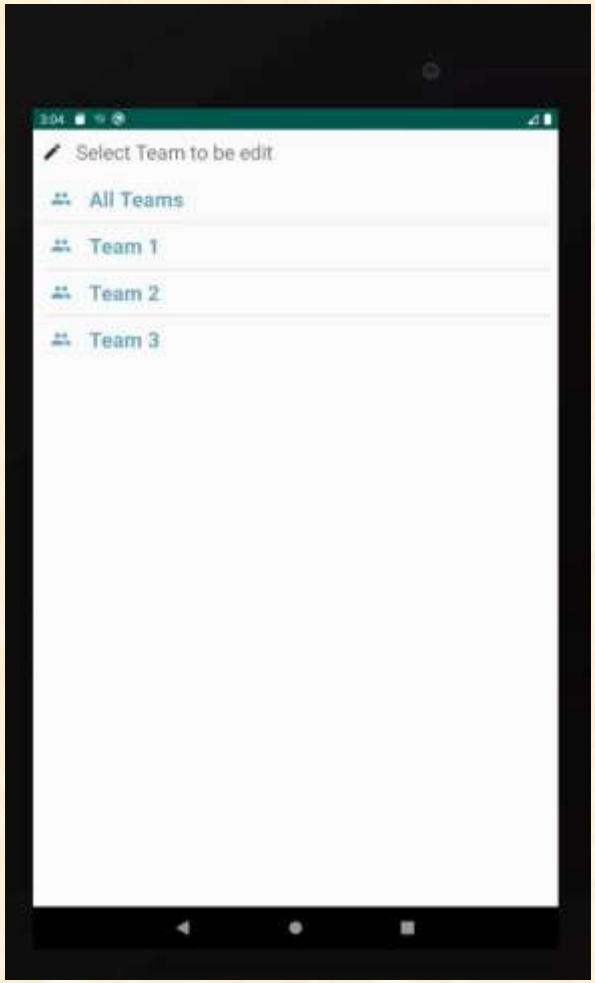


Website Garage Page

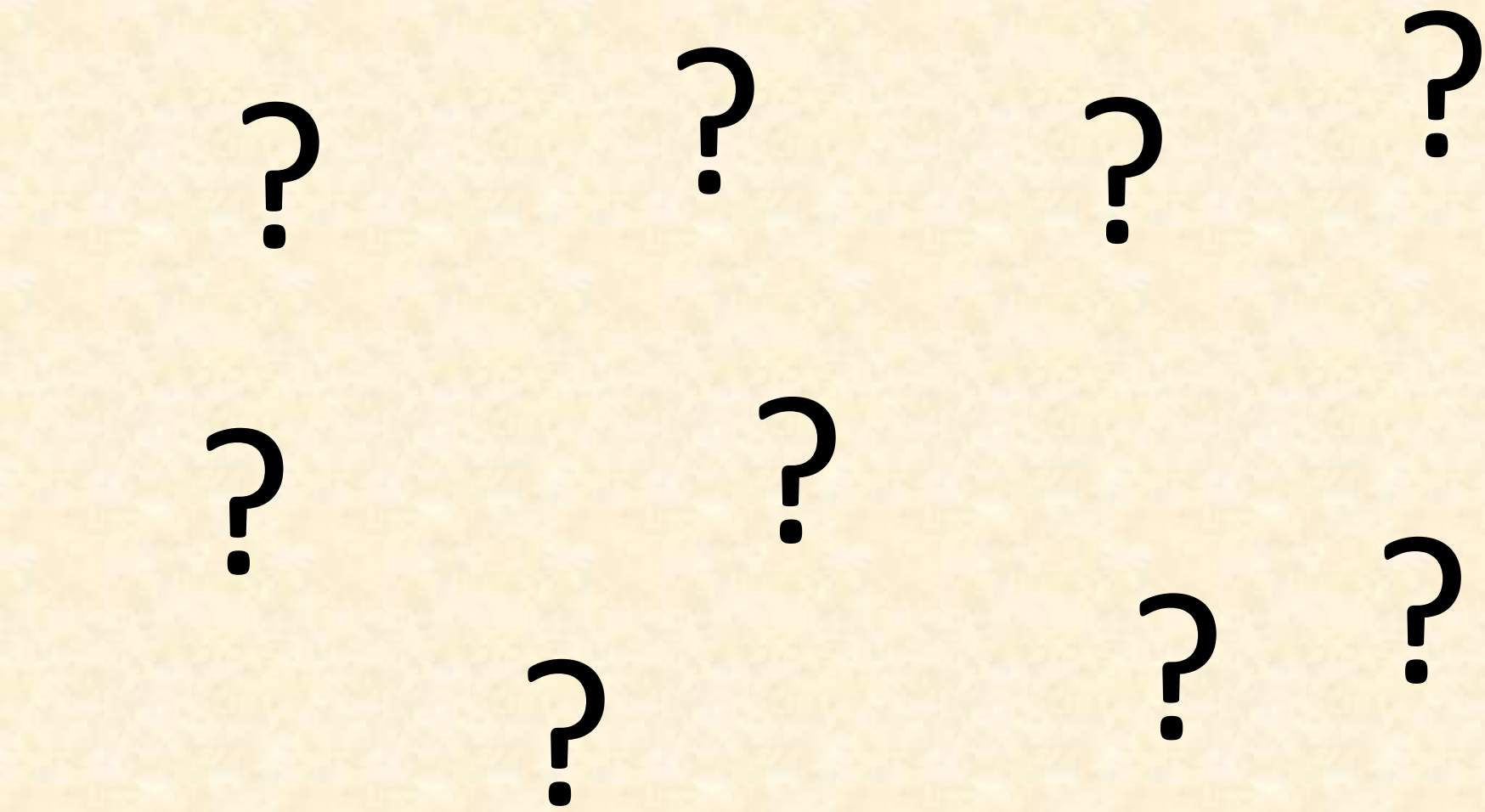


Employee Homepage

Edit Employee Info



What's left to do?

- Improve algorithm to factor in shared parking capabilities and employee details such as vehicle height clearance, injuries, etc
- Implement team member management through the front-end website
- Generate reports based on employee profiles
- Add ability for Bedrock administrators to inform employees about parking assignment changes through SMS and e-mail

Questions?