MICHIGAN STATE UNIVERSITY Beta Presentation Shared Parking Access The Capstone Experience Team Bedrock Detroit

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Department of Computer Science and Engineering Michigan State University Fall 2020

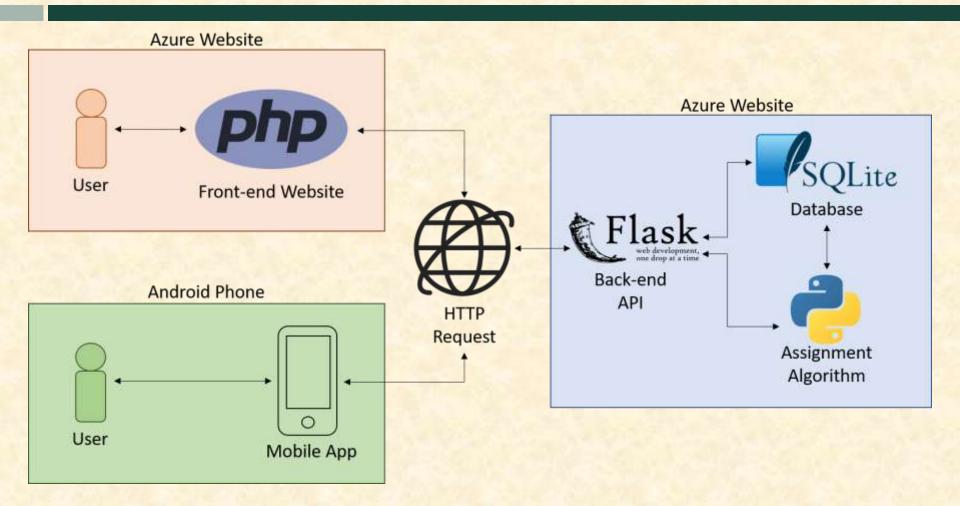


From Students... ...to Professionals

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

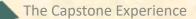


Website Homepage

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	Set Rules For The Algori Select Priority #1: Number of Sched Select Priority #2: Business Area Select Priority #3: Tenure Save Priorities		Generate Report About Distant Par Generate Re Download An Empty S	port ample Schedule
Choose File	Upload A New Schedu	Run The Algorithm		
	Download New Parking Assignments Inform Parking Last Assigned: 11/11/2020 Re From Parking Facility To Office Bio	n Employees D, 10:29:41	BEDR - DETR	and the second

Website Employee Management

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HOMEPAGE MANAGE PARKING		ANAGE TEAM MEMBERS LOGOUT	
Number Of T	eam Members In 1001 Woodwar	d Garage : 365	
	Krystal Padilla		
	ID: 52446 E-Mail Address: Test@Gmail.com Phone Number: 9899540438 Team Leader ID: 13574 Office Building: Federal Reserve Parking Facility: 1001 Woodward Gara	ige.	
In	More Details form Employee Edit Ren	nove	
	Heena Roberson		
ា	ID: 98421 E-Mail Address: Podols10@Msu.edu Phone Number: 9899540438 Team Leader ID: 24773 Office Building: Federal Reserve Parking Facility: 1001 Woodward Gara		
In	More Details form Employee Edit Ren	nove	



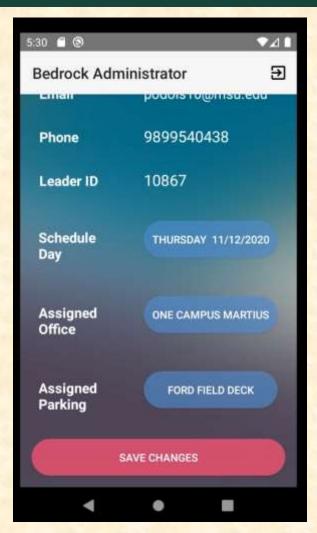
Employee Homepage



Team Bedrock Detroit Beta Presentation

Edit Employee Info

5:29 🗐 🕲	♥⊿∎		
Bedrock Admi	nistrator Đ		
Q 10133	SEARCH		
Name	Dianne Ho		
Unique ID	10133		
Email	podols10@msu.edu		
Phone	9899540438		
Leader ID	10867		
Schedule Day	THURSDAY 11/12/2020		
4			



What's left to do?

- Finalize documentation
 - API routes
 - AuthO account installation
 - MapQuest account installation
- Add salts to passwords for the mobile app

Questions?

