Alpha Presentation

Spartan Experience App

The Capstone Experience

Team Michigan State University

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Project Overview

- Mobile app to enhance student and visitor experience at MSU
- Provides info in a user-friendly format
  - Dining hall menus and hours
  - Building and parking lot hours, locations, maps
  - Events on campus
  - Twitter feed of official MSU accounts
  - Context-sensitive info
    - Specific to user’s location and the time of day
System Architecture

External Data Feeds

- Maps/Places API
- Web Scraping
- JSON
- TweetPy
- iCal File

Building Info

Menus

Events

Back End

- PostgreSQL

- Buildings
- Parking Lots
- Schedules
- Classes
- Cafeteria Menus

Front End

- Amazon AWS
- API Gateway
- REST API

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Home View: Nearby Information

Events Nearby
- 12:00 PM: Haiga: The Poetry of Images
  LookOut Art Gallery, Snyder Hall Second Floor
  MSU Museum Auditorium
- 07:00 PM: People's Law School: Homeland Security
  East Lansing Hannah Community Center

Dining Nearby
- The Vista at Shaw
- South Pointe at Case

Nearby Dining Halls
- The Vista at Shaw
- South Pointe at Case
- Wilson Dining Hall

Nearby Events
- 12:00 PM: Haiga: The Poetry of Images
- 07:00 PM: People's Law School: Homeland Security
Navigation Menu
Buildings View

- Abrams Planetarium
- Angell Univ Services
- Anthony Hall
- Auditorium
- Baker Hall
- Beaumont Tower
- Bio Engineering
- Biochemistry
- Biomedical Physical Sciences
Building Information View

Beaumont Tower

East Lansing, MI 48823, United States
8:00am - 8:00pm

Engineering
428 S Shaw Ln, East Lansing, MI 48823, United States
DIRECTIONS
Dining Halls View
Dining Hall Menu View
Social View: Twitter Feed

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What’s left to do?

• Expand geofence locations
• Provide ability to add class schedule
• Expand context-sensitive (nearby) information
• Implement a mock user profile to store user specific information
Questions?