Beta Presentation

Explore: Discover Sports on Campus

The Capstone Experience

Team Michigan State University ITS

Tanner Debien
William Tekip
William Huynh
Sai Chava

Department of Computer Science and Engineering
Michigan State University
Fall 2020
Project Overview

• A pocket guide that keeps students up to date on sporting events happening on campus
• Alleviate problems that come with discovering these events
• Sign up for and buy tickets for events
• Find all the information needed for events
System Architecture

Back End

AWS Lambda
Serverless Compute API

AWS DynamoDB
NoSQL Database

AWS Cognito
User Authentication

AWS API Gateway
RESTful API

AWS S3
Storage Service

Google Maps
Maps API

Front End

iOS App
Swift/SwiftUI

Web App
HTML/CSS/Vue.js

Android App
Kotlin
Web Application Feed
Web Application Parking
Mobile Feed and Tickets
Mobile Bookmarks and Profile

![Mobile Bookmarks Screen]

- Schedule
  - Oct 24 / 12:00pm: Football vs Rutgers
  - Oct 31 / 12:00pm: Basketball at Michigan
  - Nov 7 / 12:00pm: Hockey at Iowa

![Profile Screen]

- John Doe
  - Edit profile info

- History
  - Past events you’ve attended

- Contact Us
  - Having trouble? Let us know!

- LOG OUT
What’s left to do?

• UI refinement
• Improve documentation
• Optimize
  ▪ Move some data processing to back end
• Season tickets
• 2-factor authentication
Questions?