

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Navigating Campus Using Augmented Reality

The Capstone Experience

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Fall 2018



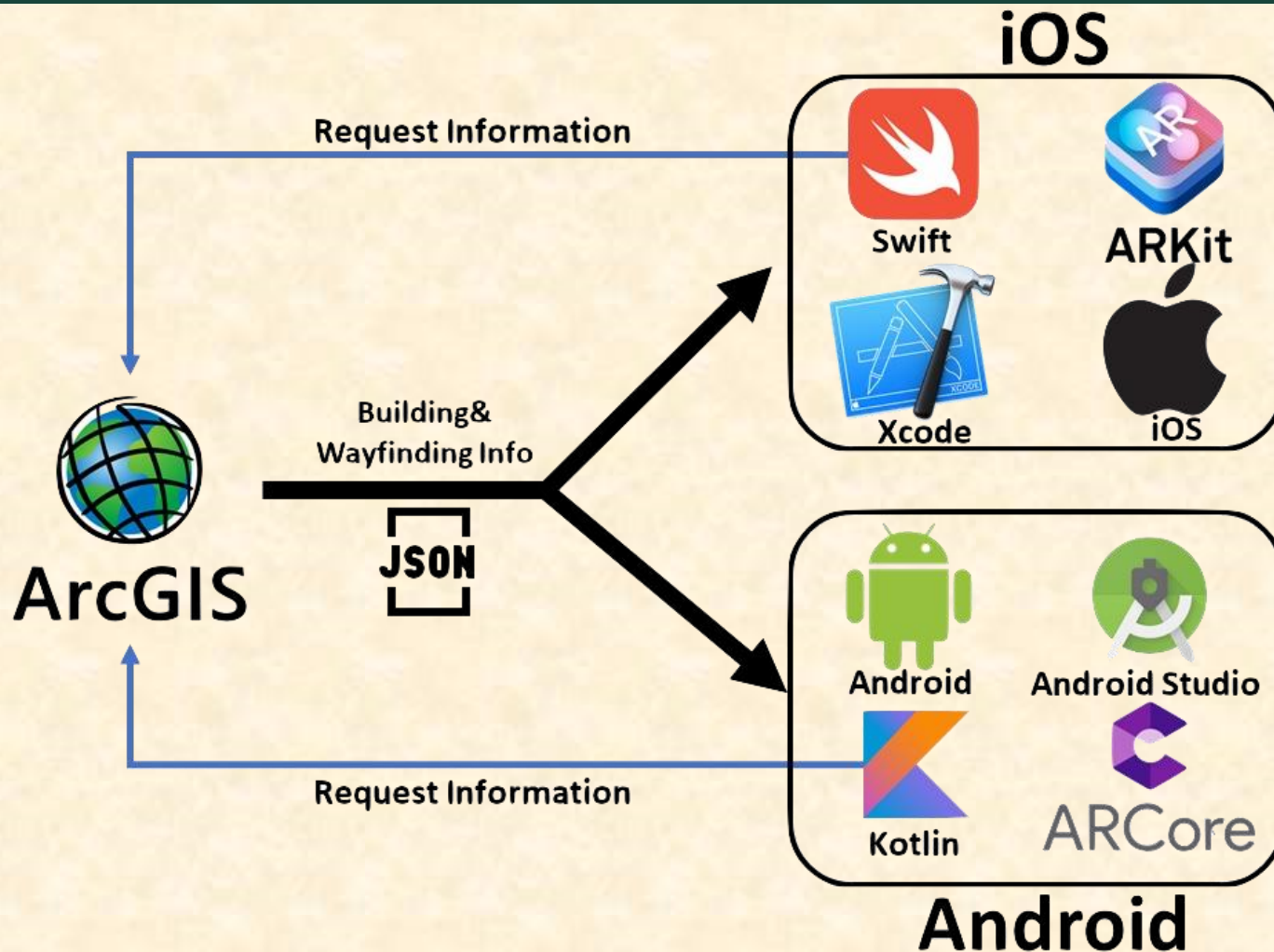
From Students...
...to Professionals

Project Overview

- Labeling buildings
 - Currently, many buildings on campus are similar looking and labels of building names are not obvious
 - By using our app, users can see a building name on top of each building and some descriptions using AR
- Wayfinding
 - Navigating campus using a physical or digital map is slow because a user needs to know surrounding information
 - AR tech can make navigating and exploring campus easier and more intuitive for new students and visitors by inserting graphics into the real world



System Architecture



What's left to do?

- Android
 - Implement turns in navigation
 - Update text directions on screen for navigation
- iOS
 - Display building descriptions
- Both platforms
 - Update building labels while moving
 - Optimize user experience
 - Avoid overlapping labels
 - Make wayfinding path clearer for turning



Questions?

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