MICHIGAN STATE
UNIVERSITY

Beta Presentation
Office Navigation Using Augmented Reality

The Capstone Experience

Team Herman Miller

Aaron Eshleman
Zhenru Wang
Matthew Rhodes
John Riley
Stefan Zhang

Department of Computer Science and Engineering
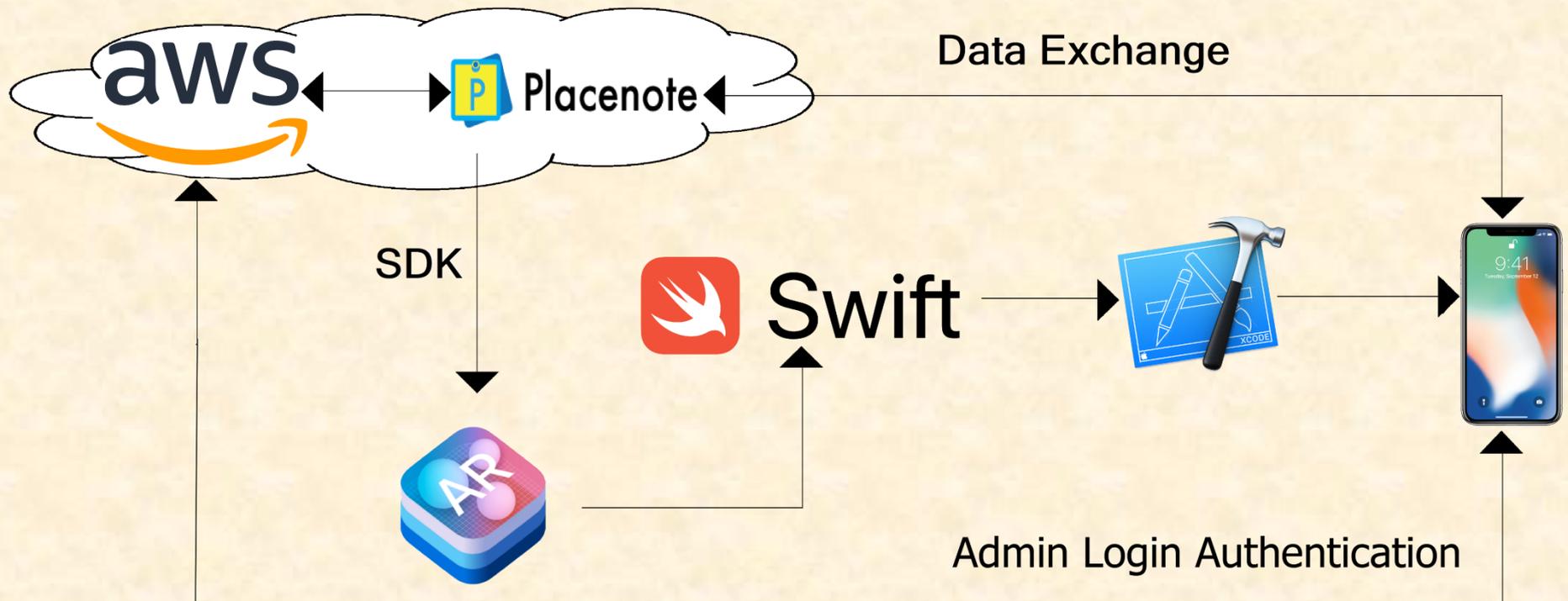Michigan State University
Spring 2019

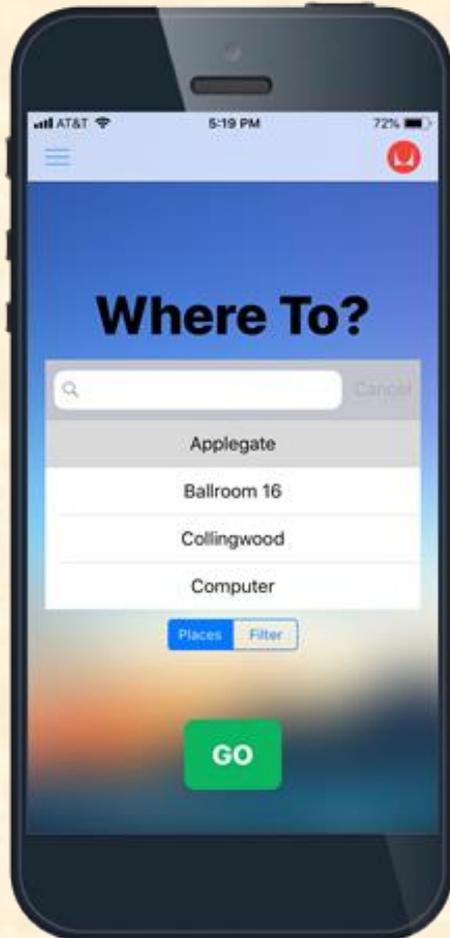*From Students…*
…to Professionals

Project Overview

- In the modern work place seat arrangements, conference rooms, and other common areas are constantly moving.

- Intuitive and accurate way to navigate employees and clients to and from any point in the office.

- App must be fully reliant on AR for localization and navigation.
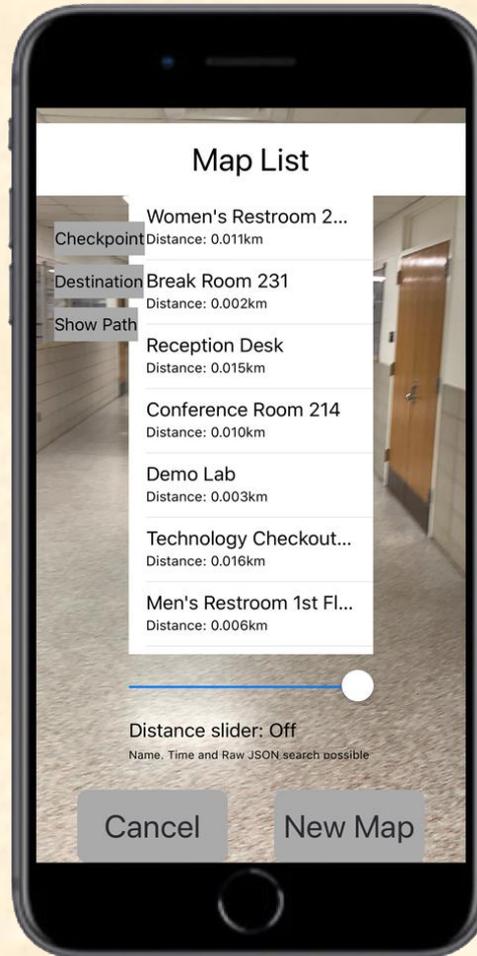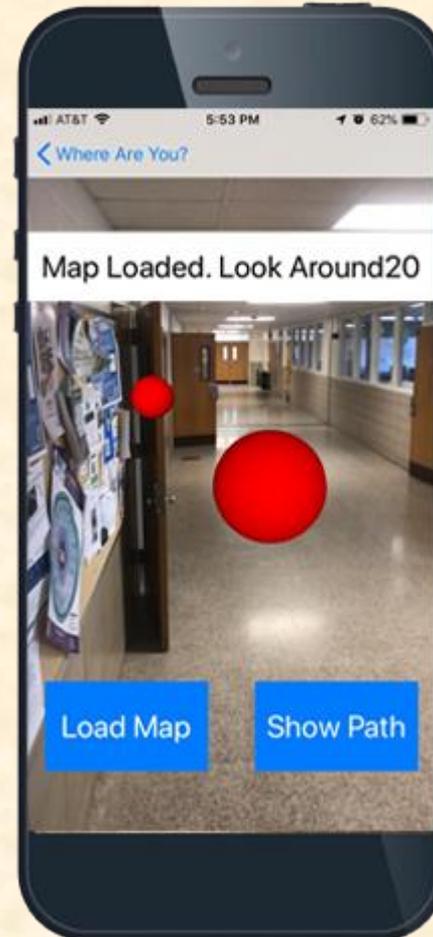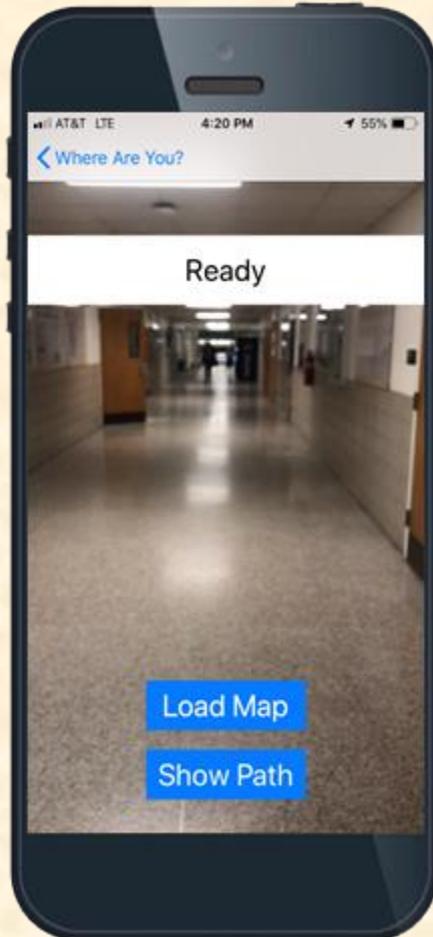
System Architecture

AWS ↔ Placenote

Data Exchange

SDK

Swift

AR

Admin Login Authentication

User Selection Screens

Admin Load Map Screen

Navigation Screen

Admin Login

What's left to do?

- Take out button that begins localization for user

- Update navigation spheres into a more user friendly design

- Add more prompts for users when map is not successfully drawn or feature points are too far away

- Write a user and admin guide

Questions?