Beta Presentation
Office Navigation Using Augmented Reality

The Capstone Experience
Team Herman Miller

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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

SDK

Swift

Data Exchange

Admin Login Authentication

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User Selection Screens
Admin Load Map Screen

Map List

- Women's Restroom 2: Distance: 0.011km
- Checkpoint: Distance: 0.015km
- Destination Break Room 231: Distance: 0.002km
- Reception Desk: Distance: 0.015km
- Conference Room 214: Distance: 0.010km
- Demo Lab: Distance: 0.003km
- Technology Checkout...: Distance: 0.016km
- Men's Restroom 1st Fl...: Distance: 0.006km

Distance slider: Off
Name, Time and ivy JSON search possible

Cancel  New Map
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?