From Students…
…to Professionals

Alpha Presentation
Live Platform CAD Ingestion

The Capstone Experience

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Project Overview

• Herman Miller is a globally recognized provider of furnishings and related services and technologies

• Live Platform allows users to visualize and analyze their workspaces

• Implement ability to ingest CAD files into mapping system instead of images

• Create a standalone web application to allow administrators to view and modify floorplans
System Architecture
Navigator Page
Navigator Page Edit Window
Conversion Page
What’s left to do?

• Add and edit individual floorplans through the navigator page
• Add and edit sensors, zones and gateways on a selected floorplan in the viewer page
• Download source CAD files from floorplans
• Implement algorithm to enforce sensor hardware constraints
• Add more advanced error and state handling
Questions?