

**MICHIGAN STATE**  
**UNIVERSITY**

# Beta Presentation

## Live Platform Real-Time Occupancy Status

The Capstone Experience

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*From Students...  
...to Professionals*

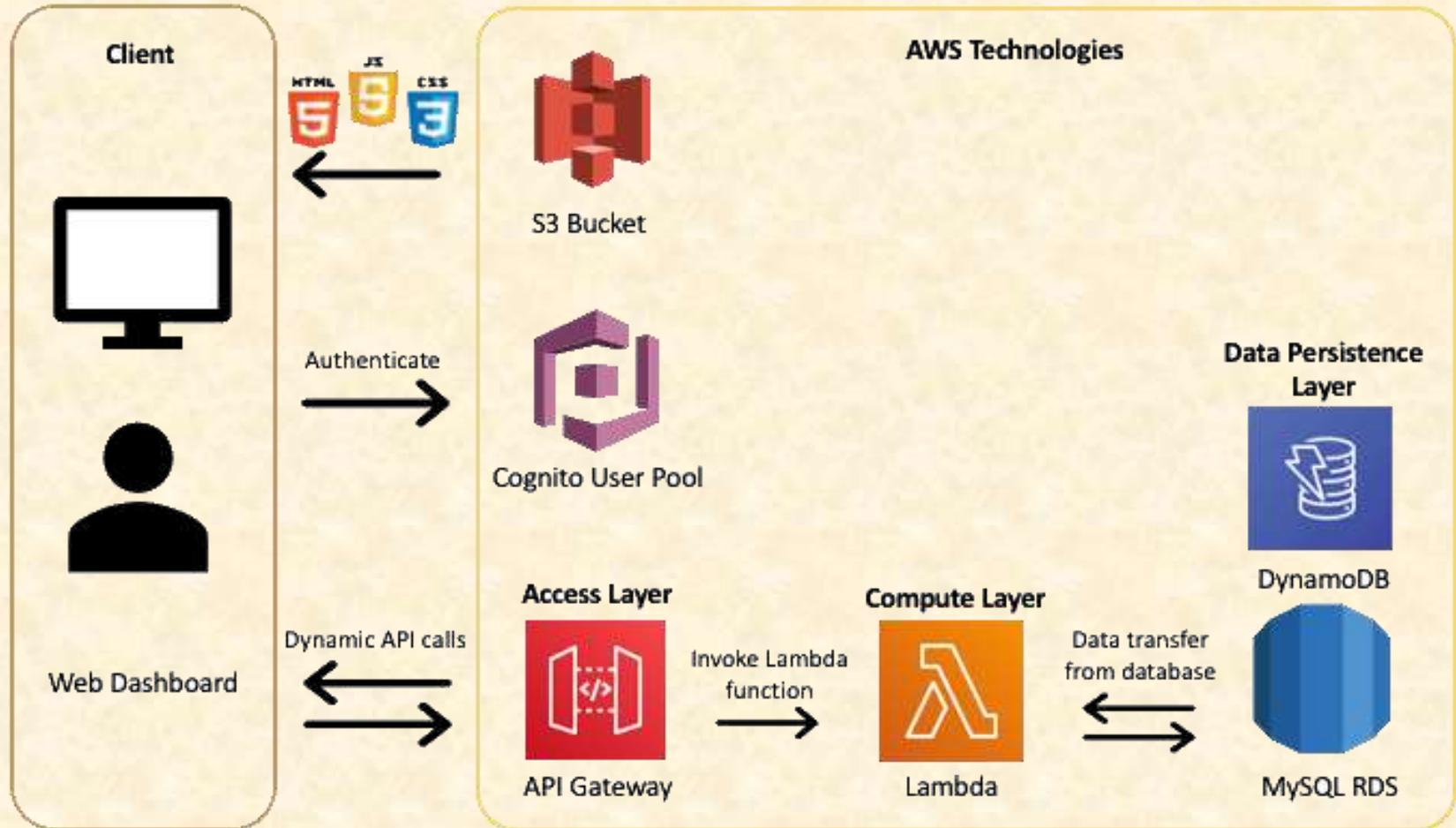
# Project Overview

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- Display desk occupancy on a dashboard given a custom floor plan
- Update dashboard in near real time to show current occupancy status
- Show points of interest with a legend



# System Architecture



# Home Screen



Sign in

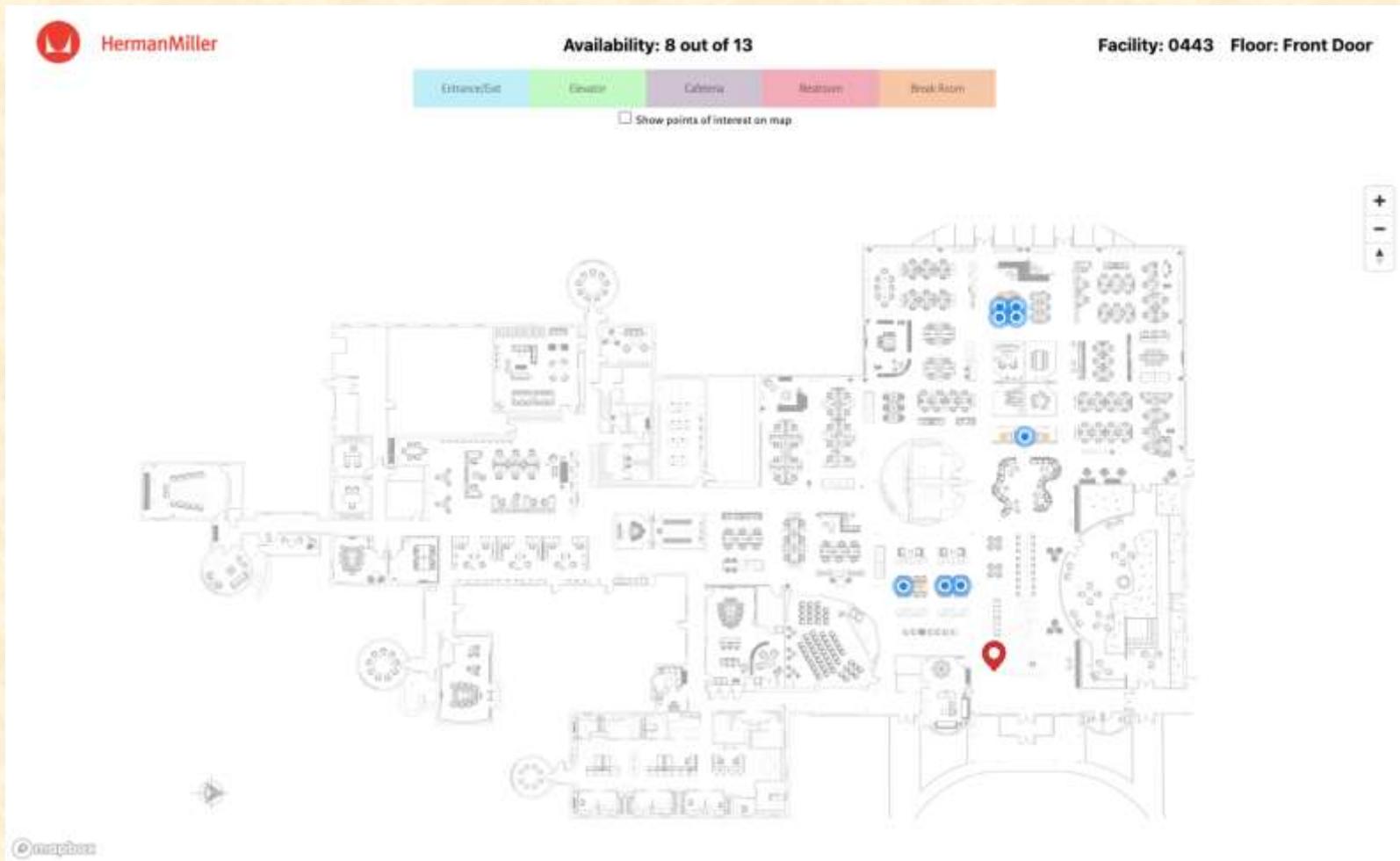
## Live Occupancy Dashboard

Let Us Help You Find a Workspace

Begin



# Seat Availability

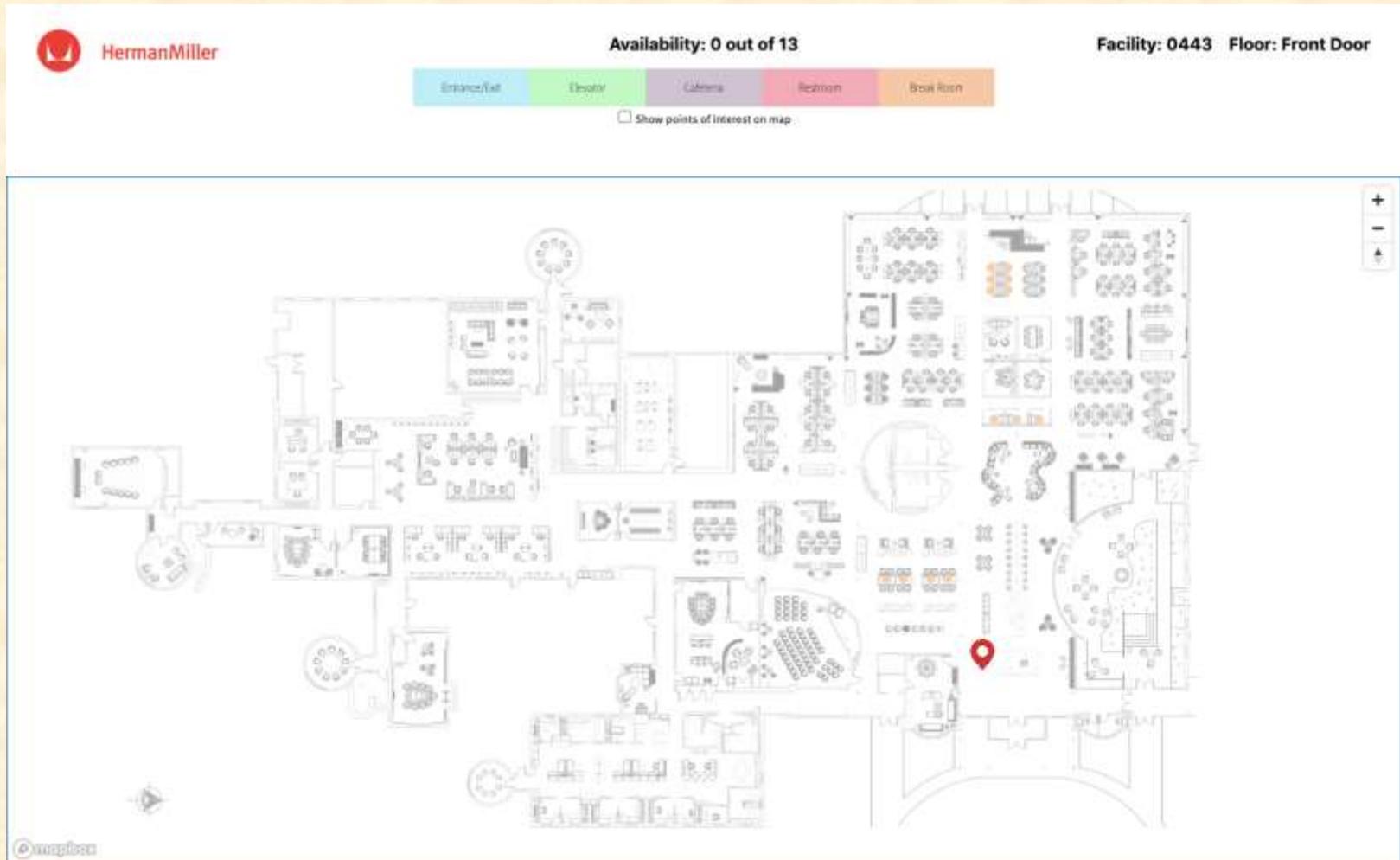


# Enable Points of Interests on Map

The screenshot displays a digital floor plan interface for a Herman Miller facility. At the top left is the Herman Miller logo. The top center shows the text "Availability: 8 out of 13". The top right indicates "Facility: 0443 Floor: Front Door". Below this is a horizontal legend with five colored boxes: "Entrance/Eat" (light blue), "Elevator" (green), "Cubicles" (purple), "Restroom" (pink), and "Break Room" (orange). A checkbox labeled "Show points of interest on map" is checked. The floor plan itself shows various rooms with colored overlays: a purple "Cafe", a pink "Restroom 1", a pink "Restroom 2", an orange "Breakroom 1", and a green "Elevator 1". A red location pin is placed near the "South Entrance". On the right side of the map, there are navigation controls: a vertical stack of three arrows (up, down, up) and a compass icon at the bottom left. A "©mapbox" watermark is visible in the bottom left corner of the map area.



# Fully Occupied Floor



# What's left to do?

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- Apply Bootstrap theme for a user-friendly design
- Continue updating serverless framework
- Add authorizers to API
- Code cleanup from code review sessions



# Questions?

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