Beta Presentation
Live Platform CAD Ingestion

The Capstone Experience

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Project Overview

• Herman Miller is a provider of furnishings and related technologies and services.
• Live Platform allows users to visualize and optimize their workspaces.
• The ability to use CAD files instead of static images was implemented for Live Platform.
• A standalone web application was created for administrators to view and edit floorplans.
System Architecture
## Navigator Page

![Visual Ontology](image)

<table>
<thead>
<tr>
<th>TENANT</th>
<th>CAMPUS</th>
<th>FACILITY</th>
<th>FLOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>GVSU</td>
<td>Allendale</td>
<td>Main Library</td>
<td>First Floor</td>
</tr>
<tr>
<td>GVSU</td>
<td>Allendale</td>
<td>Main Library</td>
<td>Second Floor</td>
</tr>
<tr>
<td>OST</td>
<td>Grand Rapids</td>
<td>Facility 001</td>
<td>Engineering</td>
</tr>
<tr>
<td>OST</td>
<td>Grand Rapids</td>
<td>Clock Tower</td>
<td>Ground</td>
</tr>
<tr>
<td>OST</td>
<td>Grand Rapids</td>
<td>Clock Tower</td>
<td>Engineering</td>
</tr>
<tr>
<td>OST</td>
<td>Grand Rapids</td>
<td>Clock Tower</td>
<td>Floor 2</td>
</tr>
<tr>
<td>Gordon Food Service</td>
<td>Wyoming</td>
<td>Headquarters</td>
<td>First Floor</td>
</tr>
<tr>
<td>Gordon Food Service</td>
<td>Wyoming</td>
<td>Headquarters</td>
<td>Second Floor</td>
</tr>
<tr>
<td>FANUC</td>
<td>Rochester Hills</td>
<td>Headquarters</td>
<td>Lobby</td>
</tr>
<tr>
<td>FANUC</td>
<td>Rochester Hills</td>
<td>Headquarters</td>
<td>Auditorium</td>
</tr>
<tr>
<td>FANUC</td>
<td>Rochester Hills</td>
<td>Headquarters</td>
<td>Showroom</td>
</tr>
</tbody>
</table>
Upload Files Screen
Select Layers Screen
Viewer Page
What’s left to do?

• Features
• Stretch Goals
• Other Tasks
  ▪ Deploy to S3 static site
  ▪ User acceptance testing
  ▪ Algorithm improvements
  ▪ Minor convenience improvements
Questions?