Beta Presentation
Microsoft Excel Data Extractor/Modeler

The Capstone Experience
Team Delta Dental Knowledge Science
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Project Overview

• Intuitive web application
• Adds implied context to Excel data
• Labels data based on user input
• Improve efficiency of Delta Dental employees
• Remove reliance on code developers
• Dynamic, functional for all data models
System Architecture
### Labeling

**Cell Range:** C1:D17

**Label:** Michigan

<table>
<thead>
<tr>
<th>Label</th>
<th>Michigan</th>
<th>Ohio</th>
<th>Indiana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate</td>
<td>14.58</td>
<td>14.58</td>
<td>14.58</td>
</tr>
<tr>
<td>Surface</td>
<td>14.58</td>
<td>14.58</td>
<td>14.58</td>
</tr>
<tr>
<td>Dependent</td>
<td>14.58</td>
<td>14.58</td>
<td>14.58</td>
</tr>
</tbody>
</table>

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What’s left to do?

• Stretch Goals
  ▪ Suggest ranges
  ▪ Suggest labels
  ▪ Knowledge graph

• Other Tasks
  ▪ Add video to instruction's page
  ▪ Workbook creator permissions
  ▪ Form validation / type definition
  ▪ Make label modal focus upon opening, and enable enter save.
Questions?