

Alpha Presentation Document Management at Google Scale

The Capstone Experience

Team Technology Services Group

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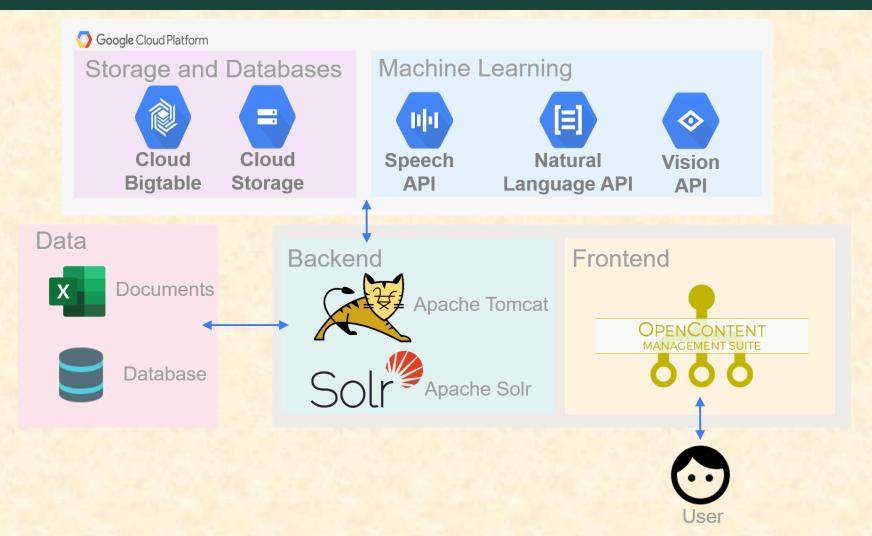


Department of Computer Science and Engineering
Michigan State University
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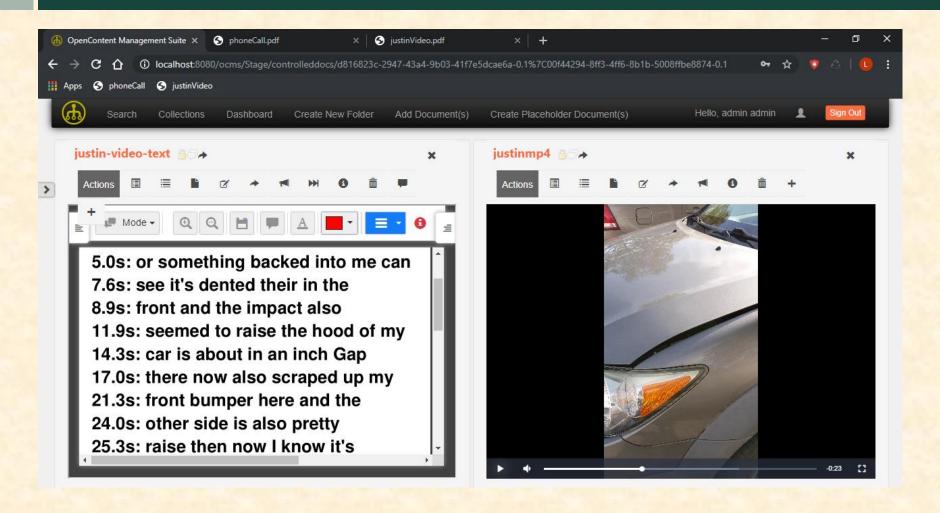
Project Overview

- Technology Services Group provides content management services
- Our project:
 - Research and development with Google Cloud Platform
 - Introduce speech-to-text
 - Implement image search
 - Provide document context search

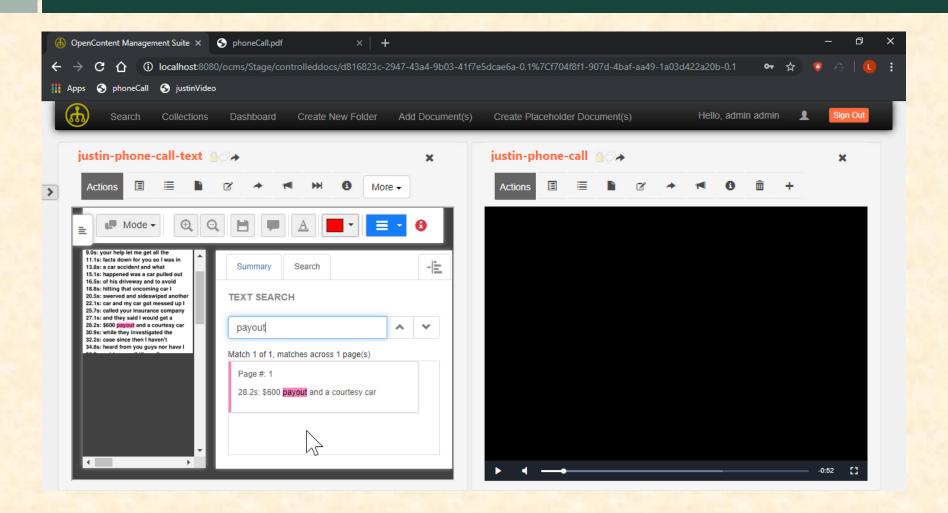
System Architecture



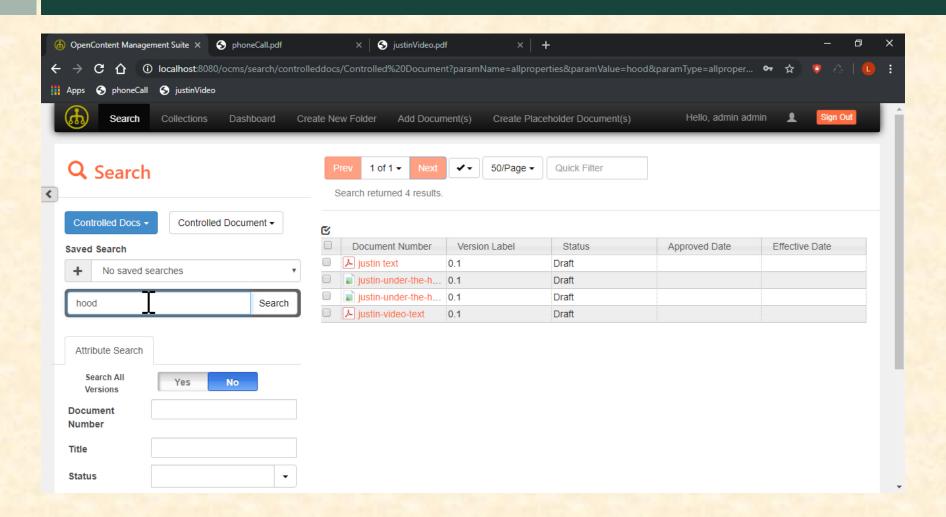
Video with Transcription



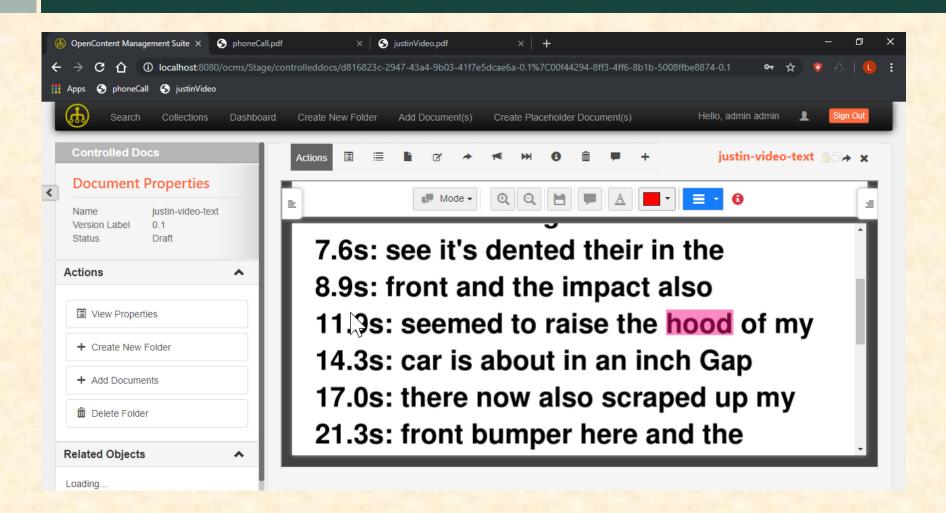
Searching in a PDF



Searching Document Content



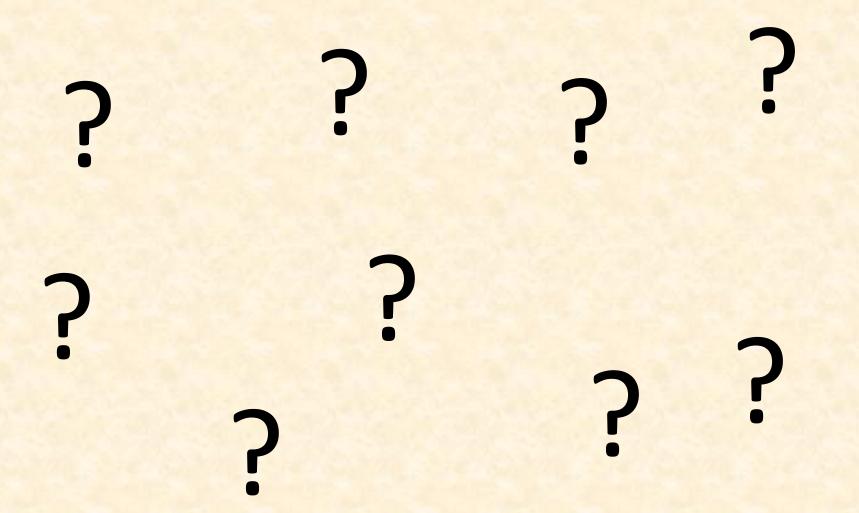
Result From Content Search



What's Left to Do?

- Add relationship from transcription with parent audio file
- Option to transcribe on user's discretion
- Vision API image search
- Natural Language API document classification

Questions?



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