

MICHIGAN STATE
UNIVERSITY
Beta Presentation

Document Management Using
Google Cloud Platform
The Capstone Experience
Team Technology Services Group

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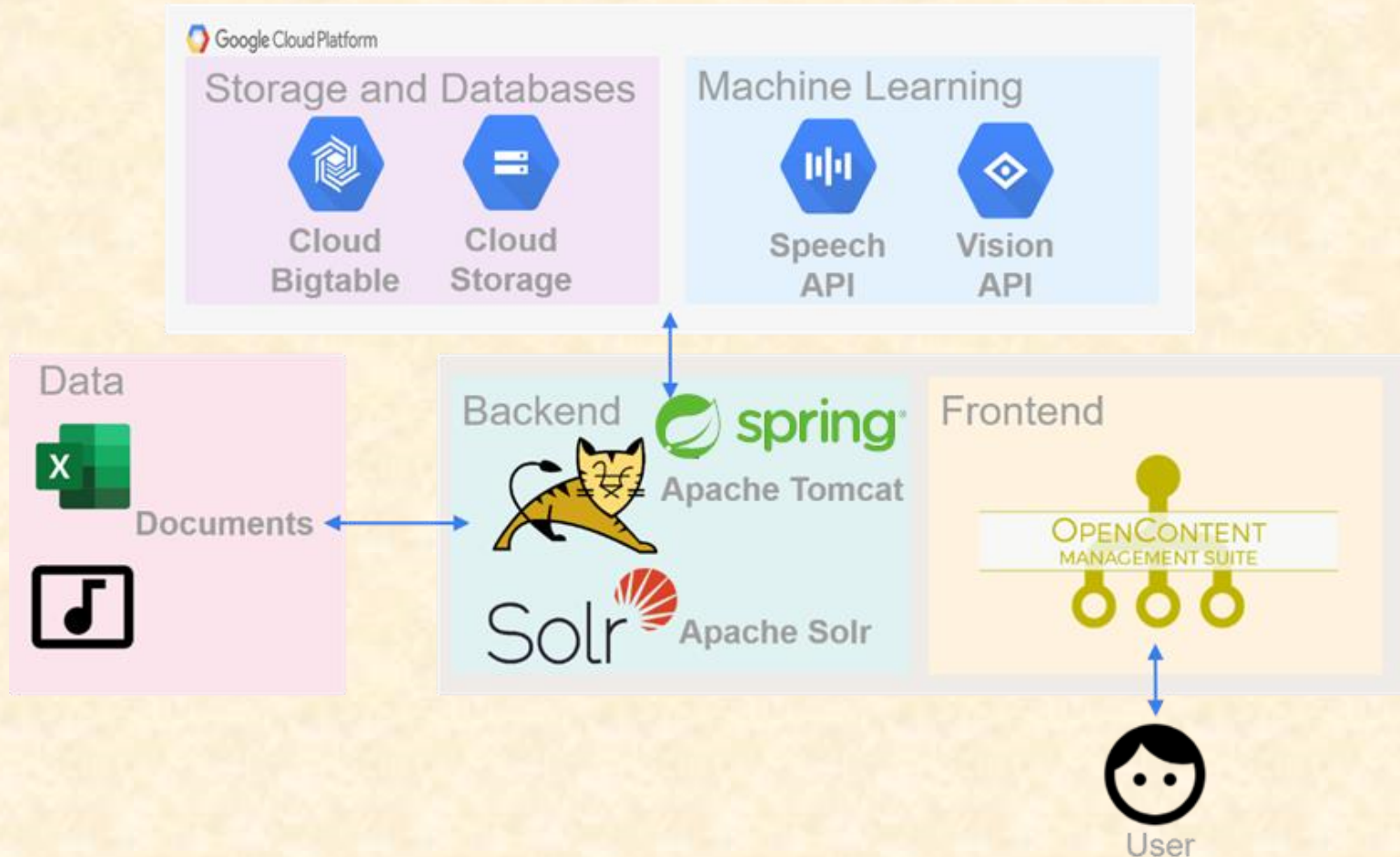
From Students...
...to Professionals

Department of Computer Science and Engineering
Michigan State University
Fall 2019

Project Overview

- Technology Services Group's (TSG) software currently cannot support the Google Cloud Platform (GCP)
- Our project:
 - Research and development with GCP
 - Introduce speech-to-text
 - Implement image search by keywords

System Architecture



Web Dashboard

OpenContent Management Suite x +

localhost:8080/ocms/search/controlddocs/Controlled%20Document?paramName=allproperties¶mValue=*¶mType=allproperties/paramName=Controlled+Document¶mValue=Controlled+Document¶mType=type&pageNumber=1&sortAttr=object...

Search Collections Dashboard Create New Folder Add Document(s) Create Placeholder Document(s) Hello, admin admin Sign Out

Search

Prev 1 of 1 Next 50/Page Quick Filter

Search returned 20 results.

Controlled Docs Controlled Document

Saved Search
+ No saved searches

Full-Text Search Search

Attribute Search

Search All Versions Yes No

Document Number

Title

Status

Approved Date From: To:

Authors Add

More Fields

Search Reset

Document Number	Version Label	Status	Approved Date	Effective Date
<input type="checkbox"/> James-AudaExplore	0.1	Draft		
<input type="checkbox"/> James-Auto-Receipt	0.1	Draft		
<input type="checkbox"/> James-Certificate	0.1	Draft		
<input type="checkbox"/> James-Cincinnati	0.1	Draft		
<input type="checkbox"/> James-Estimate	0.1	Draft		
<input type="checkbox"/> James-IMG-9076	0.1	Draft		
<input type="checkbox"/> James-IMG-9077	0.1	Draft		
<input type="checkbox"/> James-IMG-9078	0.1	Draft		
<input type="checkbox"/> James-IMG-9079	0.1	Draft		
<input type="checkbox"/> James-IMG-9080	0.1	Draft		
<input type="checkbox"/> James-IMG-9081	0.1	Draft		
<input type="checkbox"/> James-IMG-9082	0.1	Draft		
<input type="checkbox"/> James-IMG-9083	0.1	Draft		
<input type="checkbox"/> James-IMG-9084	0.1	Draft		
<input type="checkbox"/> James-IMG-9085	0.1	Draft		
<input type="checkbox"/> James-Policy	0.1	Draft		
<input type="checkbox"/> James-Sales-Tax	0.1	Draft		
<input type="checkbox"/> James-SoS	0.1	Draft		
<input type="checkbox"/> James-Total-Loss	0.1	Draft		
<input type="checkbox"/> James-Video-1	0.1	Draft		



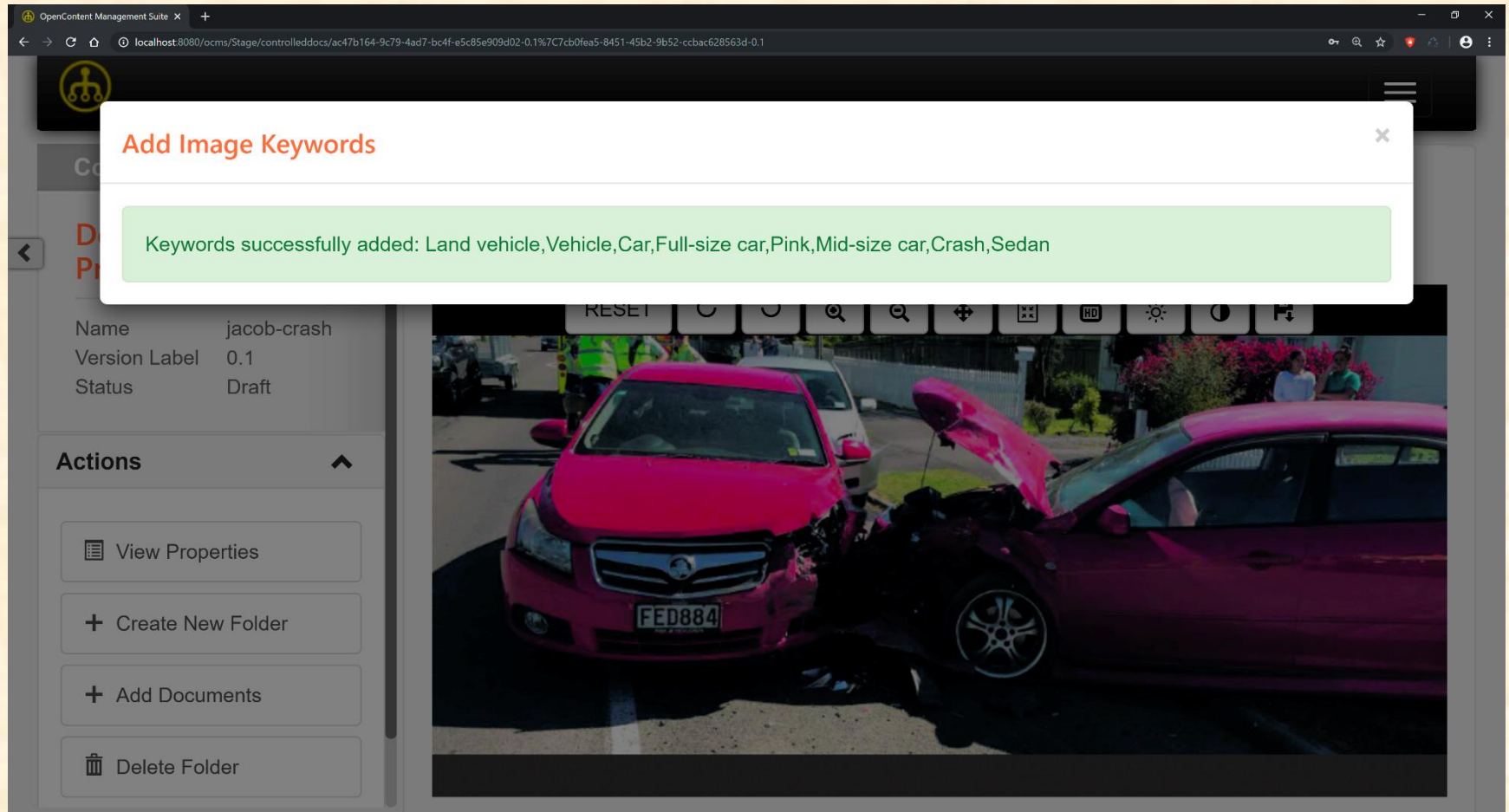
Speech-to-Text Transcription

The screenshot displays the OpenContent Management Suite interface. The top navigation bar includes links for Search, Collections, Dashboard, Create New Folder, Add Document(s), and Create Placeholder Document(s). The user is logged in as 'admin admin' with a 'Sign Out' button. The main content area is divided into two panels. The left panel, titled 'James-Video-1', shows a video player with a close-up of a car's headlight and bumper. The right panel, also titled 'James-Video-1', displays the transcription of the video content. The transcription is as follows:

00:00 | I am with mason car insurance
00:02 | agency in Georgia how may I
00:03 | help you today I've been
00:06 | dealing with this issue since
00:07 | last June and I really need
00:09 | your help let me get all the
00:11 | facts down for you so I was
00:13 | in a car accident and what
00:15 | happened was a car pulled out
00:16 | of his driveway and to avoid
00:18 | hitting that oncoming car I
00:20 | swerved and sideswiped
00:21 | another car and my car got



Keywords Generated Using Vision AI



Search Images by Keyword

OpenContent Management Suite

Search Collections Dashboard Create New Folder Add Document(s) Create Placeholder Document(s)

Hello, admin admin Sign Out

Search returned 4 results.

Controlled Docs - Controlled Document -

Saved Search

+ No saved searches

Full-Text Search Search

Attribute Search

Search All Versions Yes No

Document Number

Title

Status

Approved Date From: To: X X

Authors Add

Less Fields

Department Name

Created From: To: X X


Modified From: To: X X

Keywords car crash Add

Search Reset

Document Number	Version Label	Status	Approved Date	Effective Date
IMG_9076	0.1	Draft		
IMG_9077	0.1	Draft		
IMG_9078	0.1	Draft		
IMG_9079	0.1	Draft		

car crash



What's Left to Do?

- Write documentation
- Clean up code



Questions?

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