



# Alpha Presentation

## TechSmith Video Summarizer

The Capstone Experience

Team TechSmith

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

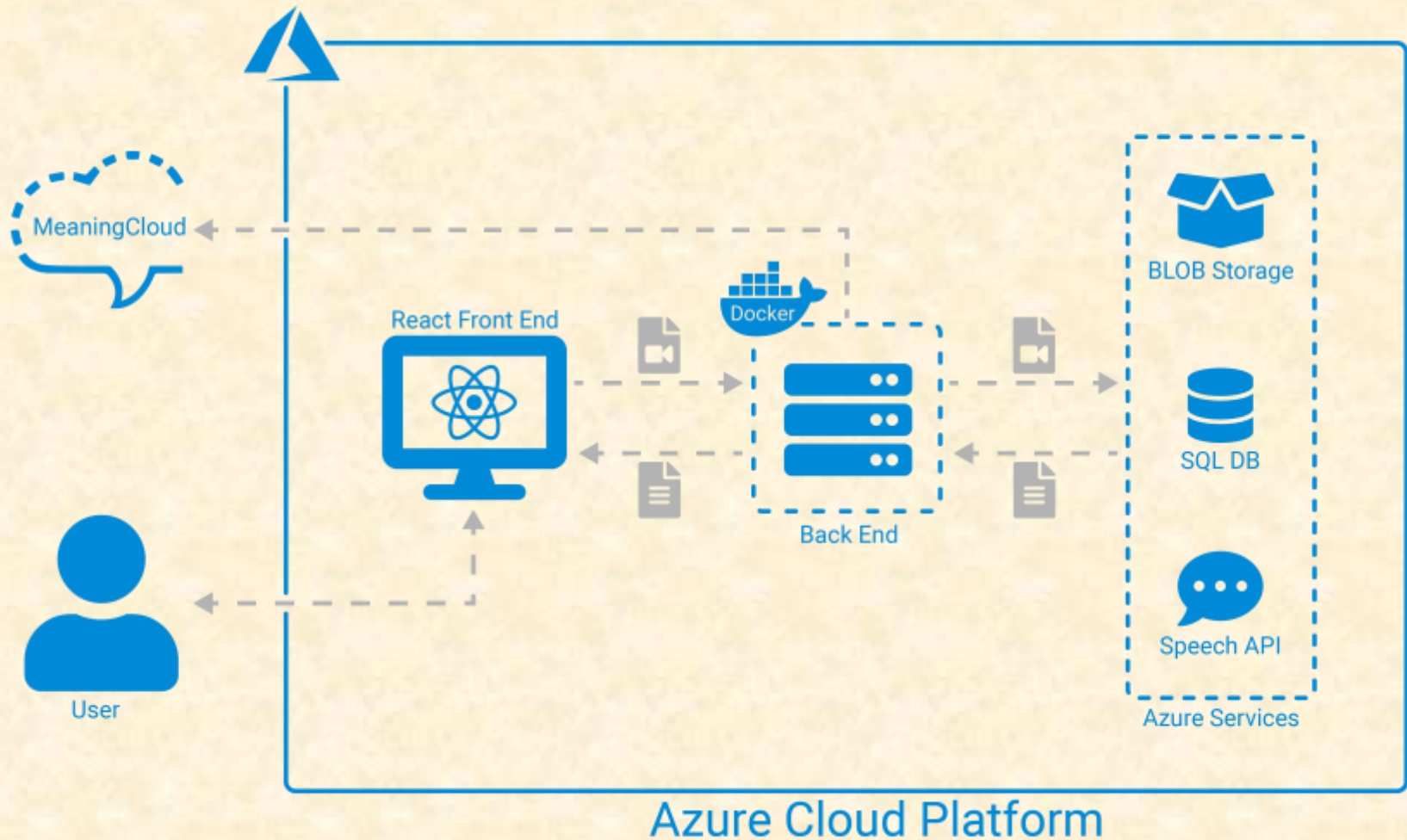
Department of Computer Science and Engineering  
Michigan State University  
Fall 2020

# Project Overview

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- Split and summarize videos
  - Any video of any length
  - Easily view "segments" to improve your learning experience
- User accounts
  - Rewatch videos
  - Manage uploaded videos
- Streamlined user experience
- Translate video summaries into other languages

# System Architecture



# Viewing Summarized Video #1

Video Summarizer

localhost:3000/?video=811c0cf3b55849e4379f9601232arab

TechSmith®

My Videos Upload

25th Amendment


0:00 / 2:30

25th

Keywords


vice president acting President President Pro temporary powers duties

Summary Transcript




0:00

Whenever the president transmits to the President Pro temporary of the Senate and the speaker of the House of Representatives his written declaration that he is unable to discharge the powers and duties of his office, Till he transmits to them a written declaration to the contrary, such powers and duties shall be discharged by the vice president as acting President, Section 4, whenever the vice president and a majority of either the principle officers of the executive departments or of such other body as Congress, may by law provide, transmit to the President Pro temporary of the Senate and the speaker of the House of Representatives, they're written declaration that the president is unable to discharge the powers and duties of his office.



1:07

Thereafter, when the president transmits to the President Pro temporary of the Senate and the speaker of the House of Representatives, his written declaration that no inability exists, he shall resume the powers and duties of his office unless the vice president and a majority of either the principle officers of the Executive Department or of such other body as Congress made by law provide transmit within four days to the president pro Tempore of the Senate and the speaker of the House of Representatives their written declaration that the president is unable to discharge the powers and duties of his office, [...] If the Congress within 21 days after receipt of the latter written declaration, or if Congress is not in session within 21 days after Congress, is required to assemble, determines by 2/3 vote of both houses that the president is unable to discharge the powers and duties of his office, the vice president shall continue to discharge the same as acting president.

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# Viewing Summarized Video #2

Video Summarizer

localhost:3333/?Access-Token=5f1c1b1b-f7b45ba3-818f8d0f73b4c1140c-140

TechSmith

My Videos Upload



0:00 / 4:34

**Quicken Loans Project Video**

**Keywords**

contractor task actual status couple final things program look

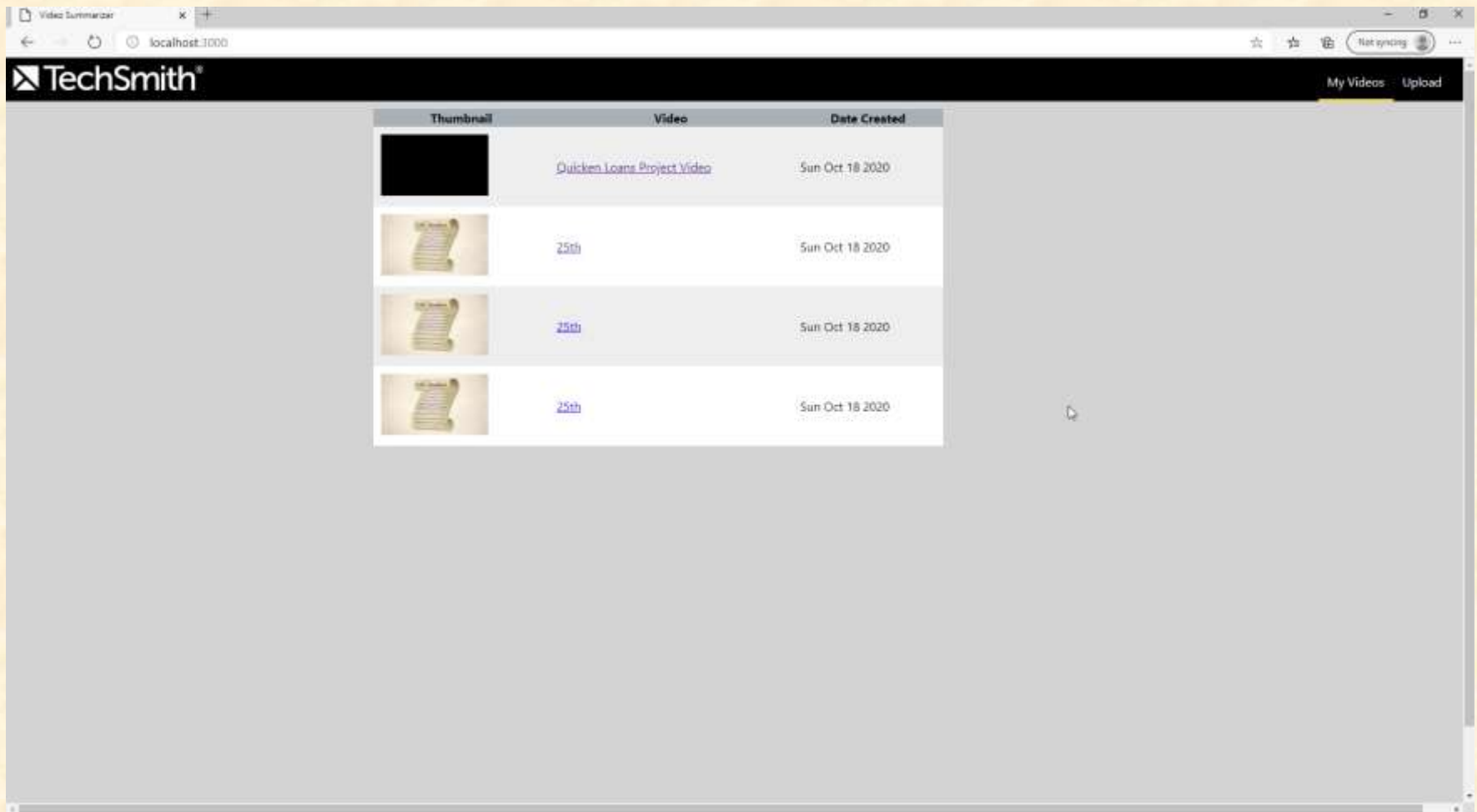
Summary Transcript

0:00 The nation's largest on line mortgage lender is Quicken Loans, the largest retail mortgage overall. In fact, Quicken Loans is achieved this status by utilizing technology to save clients time and money through their mortgage experience.

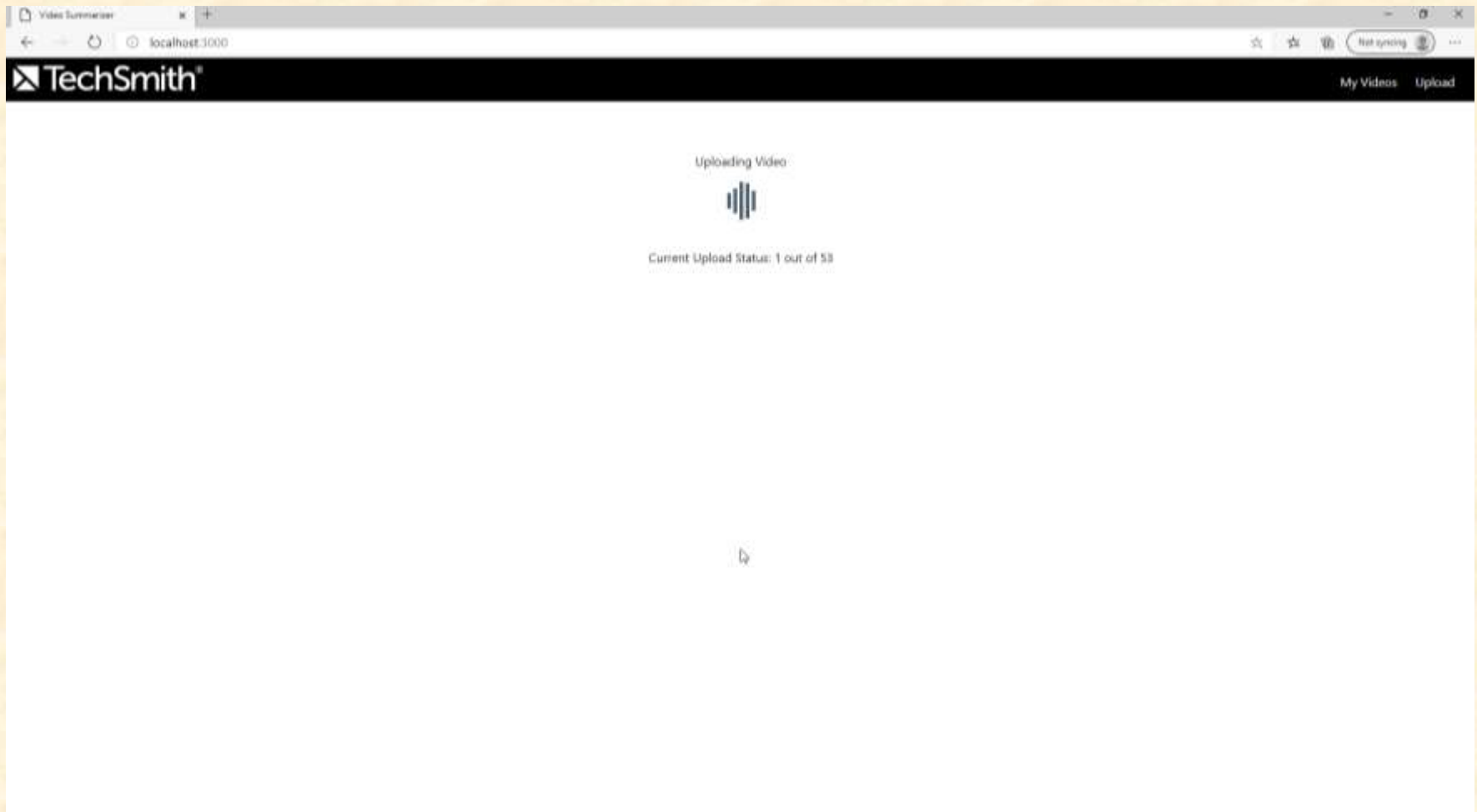
4:31 is in progress quite a few that ask look to be wrapped up so he opens up fundamental to check the actual status of the contractor task. He does notice that one of the task seems to need a couple final things to touch up.



# 'My Videos' page



# 'My Videos' page uploading



# Mobile Display





# What's left to do?

- Algorithms need better optimization
  - More meaningful summaries
  - Improve processing speed
- Add authentication for user accounts
- Ability to translate summaries
- Improved error checking
- Add more user functionality
  - Custom parameters for summaries
  - Edit/delete videos



# Questions?

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