

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Video Sentiment Analysis

### The Capstone Experience

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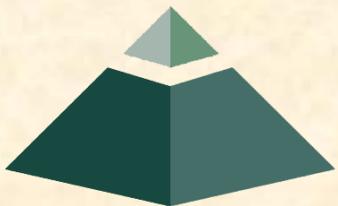
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Fall 2016



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

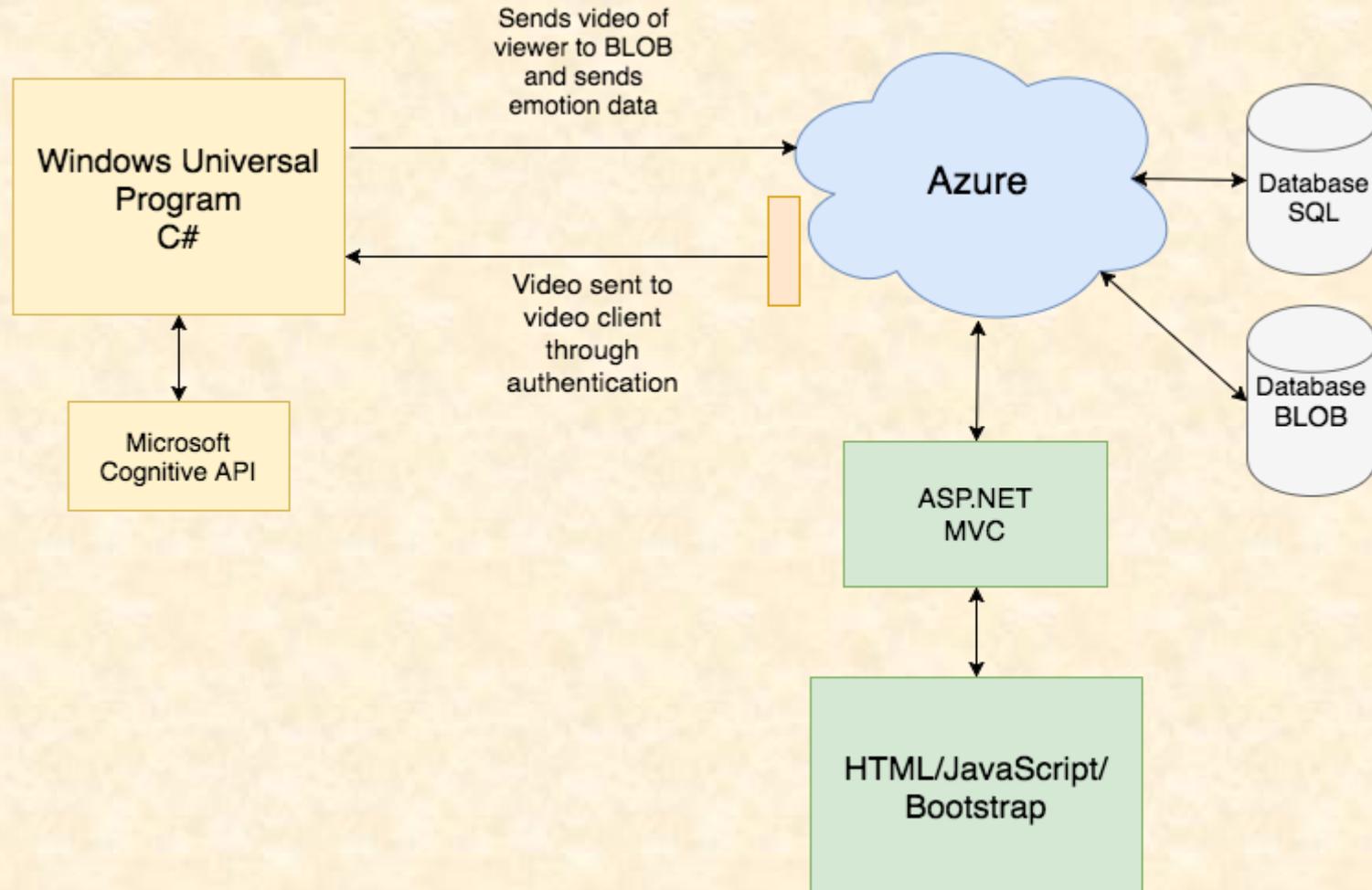
# Project Overview

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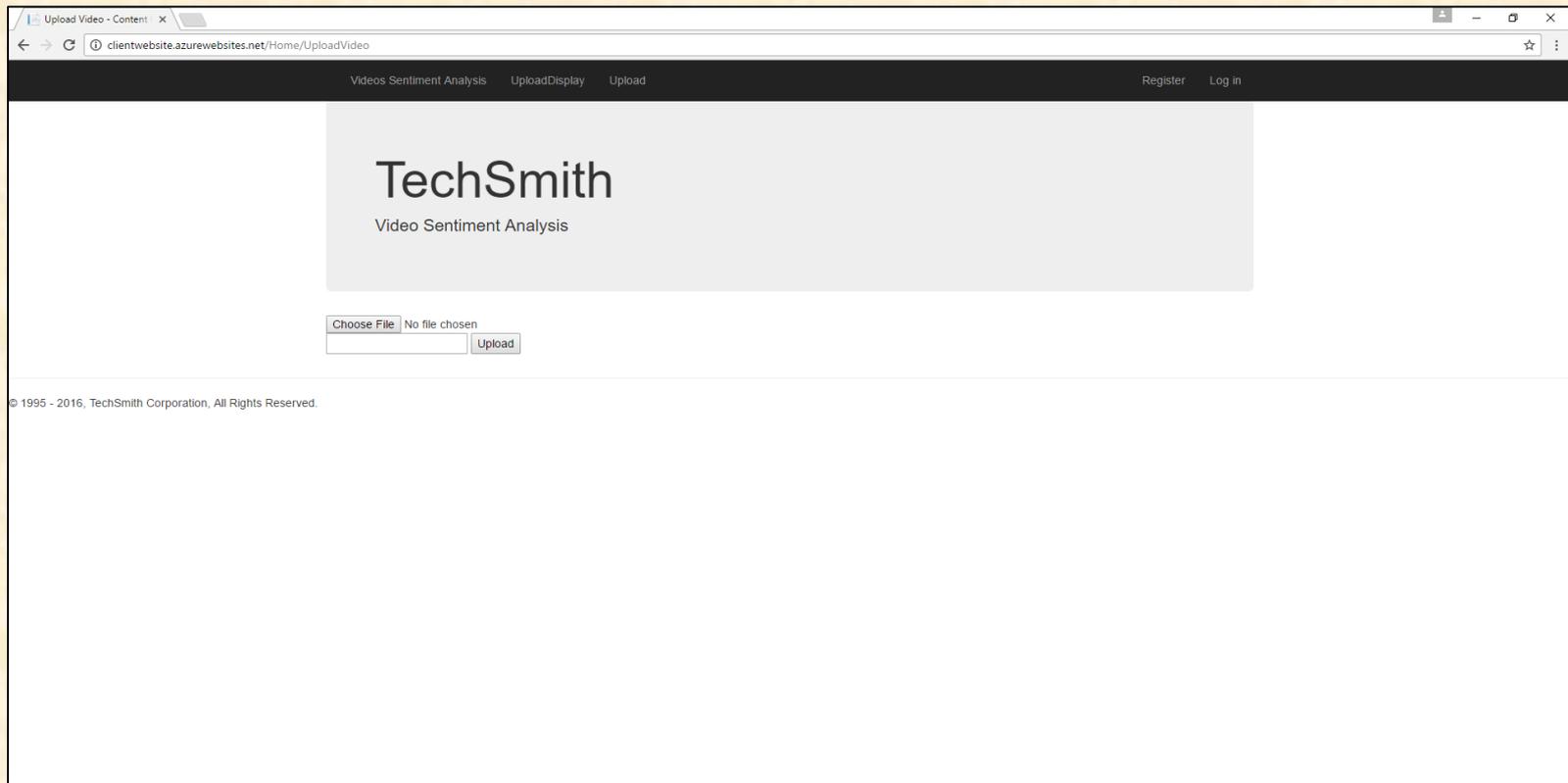
- Record and Analyze Reactions of Viewers Watching a Video Without Any Interaction
- Web App - For Video Authors To Upload and Analyze Emotions To Their Videos
- Video Player App - To Record Reactions of Viewers While Watching a Video



# System Architecture



# Video Upload Page - Website



# Emotional Analysis - Website

The screenshot shows a web browser window with the URL <https://localhost:44361/Home/VideoView>. The page has a navigation bar with links for "Videos Sentiment Analysis", "Video View", "UploadDisplay", "Upload", "Register", and "Log in".

The main content area features two video thumbnails:

- Life in the City**: A video showing a cityscape at night.
- Tony Bishop**: A video showing a man smiling in an office setting.

To the right of the videos is an "Emotions" section with four icons and their respective percentages:

Emotion Icon	Percentage
Angry Face	10%
Neutral Face	25%
Sad Face	5%
Happy Face	60%



# Home Screen - Video Player App

## List of Available Videos:

Iphone Review

The REAL Reason iPhone 7 Doesn't Have A Headphone Jack.mp4



# Video Player – Video Player App



# What's left to do?

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- Authentication
- Limit Frequency of Emotion API Calls To Improve Performance
- Side-by-Side Video Playback on Website
- Cleaner and More Responsive Design
- Functional Testing



# Questions?

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