Daily Log

Monday February 10

Conducted Google Searches for other Speech to Text APIs. Came across

- https://blog.hubspot.com/marketing/voice-to-text

- https://www.techradar.com/news/best-speech-to-text-app

- https://cloud.google.com/text-to-speech/docs

Tuesday February 11

Researched into Google Cloud Speech to Text API due to most Popularity among APIs (tied with IBM Watson). Felt it Could be Implemented within 2 - 3 Weeks. Began to Thoroughly Read Through https://cloud.google.com/speech-to-text/docs/automatic-punctuation.

Tuesday February 20

Continued to Thoroughly Read Through the Google Cloud Speech to Text API Documentation for Automatic Punctuation. Skimmed over an Existing Github https://github.com/googleapis/python-speech/blob/master/samples/v1p1beta1/speech_transcribe_auto_punctuation_beta.py.

Timeline

Date	Goal	Met
Jan 31	Research into Audio to Text Methods that Can Account for Punctuation	No, Did not Have Class due to AMC 12
Feb 7	Research into Audio to Text Methods that Can Account for Punctuation	No, Did not Have Time due to Presentations
Feb 21	Research into Audio to Text Methods that Can Account for Punctuation	Yes, Found the Google Cloud Speech to Text API
Feb 28	Begin Implementing the Google Cloud Speech to Text API	
Mar 6	Finish Implementing the Google Cloud Speech to Text API	

Reflection

I was happy to find a viable option for a speech to text API that could account for our punctuation issue. This issue is extremely important to solve as half of our project revolves around it. As of now, I have hope this API will work due to previous reviews from other programmers. I plan to begin implementing the Google Cloud Speech to Text API this coming Monday and will adjust my schedule based on my progress. I hope to be able to take care of this issue by mid-March, so I can then continue improving on my current text summarization or begin working on other text summarization methods.