Journal Report 19
02/23/20 - 02/29/20
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Daily Log

Tuesday February 25

Began Implementing the Google Cloud Speech to Text API. Built it off a Github Repository (https://github.com/googleapis/python-speech/blob/master/samples/v1p1beta1/speech_transcribe_auto_punctuation_beta.py) that Used the API and Added own Minor Changes. Downloaded the Necessary Packages to Implement the API.

Tuesday February 27

Finished Implementing a Base Implementation of the Google Cloud Speech to Text API. Ran into Credential Errors after Running Code and Found out an Account was Needed to Implement API. Began Creating an Account, before Finding that it Cost Money (Free Trial Existed, but it Required Credit Card Information). Tried Finding a Loophole on Different Websites, but was Unsuccessful. Plan to ask Dr. White about Situation.

Timeline

Date	Goal	Met
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	Yes, Started Writing Program to Implement API
Mar 6	Finish Implementing the Google Cloud Speech to Text API	
Mar 13	Start Integrating Both Parts of the Project Together	

Reflection

I am on track to be able to finish implementing the Google Cloud Speech to Text API by the end of next week. I plan to ask Dr. White on Monday morning about the credential issues and see if there is any way I do not have to enter my card information. After fixing this issue, I will start to integrate both parts of the project together.

Year-End-Goal Statement: By the end of this year, we will create a website using TJ Director where one can upload an audio file (.mp3 or .wav) and we return the summarized text of the audio file using our program. In addition, we plan to have an updated and clean Github repository for others to understand our project.

To receive an

- A, we should be able to successfully summarize an audio file, using our cosine distance method and the Google Cloud Speech to Text API, which should be presentable through a clean website made on TJ Director that allows users to upload audio files and stores previous summaries using SQL databases and OAuth. In addition, we should have a detailed Github repository where someone can easily replicate our project. Lastly, we should have a strong TJ Star presentation that is built off previous presentations and a well-written paper based off previous journals. Both of these will discuss all of our previous attempts and compare our approaches to show which one yielded the best results.
- B, we should be able to summarize an audio file, using our cosine distance method and the Google Cloud Speech to Text API. In addition, we should have a Github repository where someone can look at our work throughout the year. Lastly, we should have a good TJ Star presentation and final paper that discusses our work throughout the year.
- C, we should have a program that attempts to summarize an audio file. In addition, we should have a Github repository where someone can look at our work throughout the year. Lastly, we should have a TJ Star presentation and final paper that discusses our work throughout the year.