



Audio-Transcript Database Implementation

By: Summer Martin, Lalima Bhola, Jared Schmidt,
Kyla Ramos, Aly Maahs

Group 3

Problem Statement & Our Solution

- Currently, users of the Trentoniana website have a difficult time trying to utilize the site to find audio files and the transcripts associated with them
 - Users needed a way to search for specific dates, names, etc. on audio files to make researching the history of Trenton a difficult task
 - Having solely audio files makes it extremely difficult or impossible, for people who are hard of hearing to access, so they would need transcripts of the files to follow along
 - There needed to be a way for viewers to address problems → and for moderators to know how to improve the website
- Our approach was to create an user friendly application with an easy to use search feature that easily allows someone to search for transcripts and audio files together, as well as allow administrative users to identify any problems, gain analytics on which transcripts are popular, and update the website as needed.

Benefits & Cost

- Benefits:
 - Compared to the previous setup, our application is composed of an elegant but simple UI
 - Audio-transcript files are now tagged with topics, names, dates for a convenient search option
 - Unlike competitors, we can easily know what updates are needed for the website because of user submission boxes for new audio files, records, or suggestions
 - Users are also able to comment on and like transcripts, allowing Trentoniana moderators to know which transcripts are popular
- Costs:
 - Would be an extension of the Trentoniana website created to hold the transcripts of the audio files instead of the current link that leads to only the audio files on archive.org without the transcripts