Mid-Semester Project Presentation

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Problem Identification

- ***Problem 1:***
  The fonts/color for links to audio/visual files on the landing page are inconsistent. This makes it difficult for a user to visually separate the surrounding text with important links.

- ***Problem 2:***
  The Internet Archive linked in the landing page is unnecessary and redundant, as it links to the Internet Archive's website as a **whole**. This doesn't provide anything for the user searching specifically for Trenton audio files, and only confuses them.

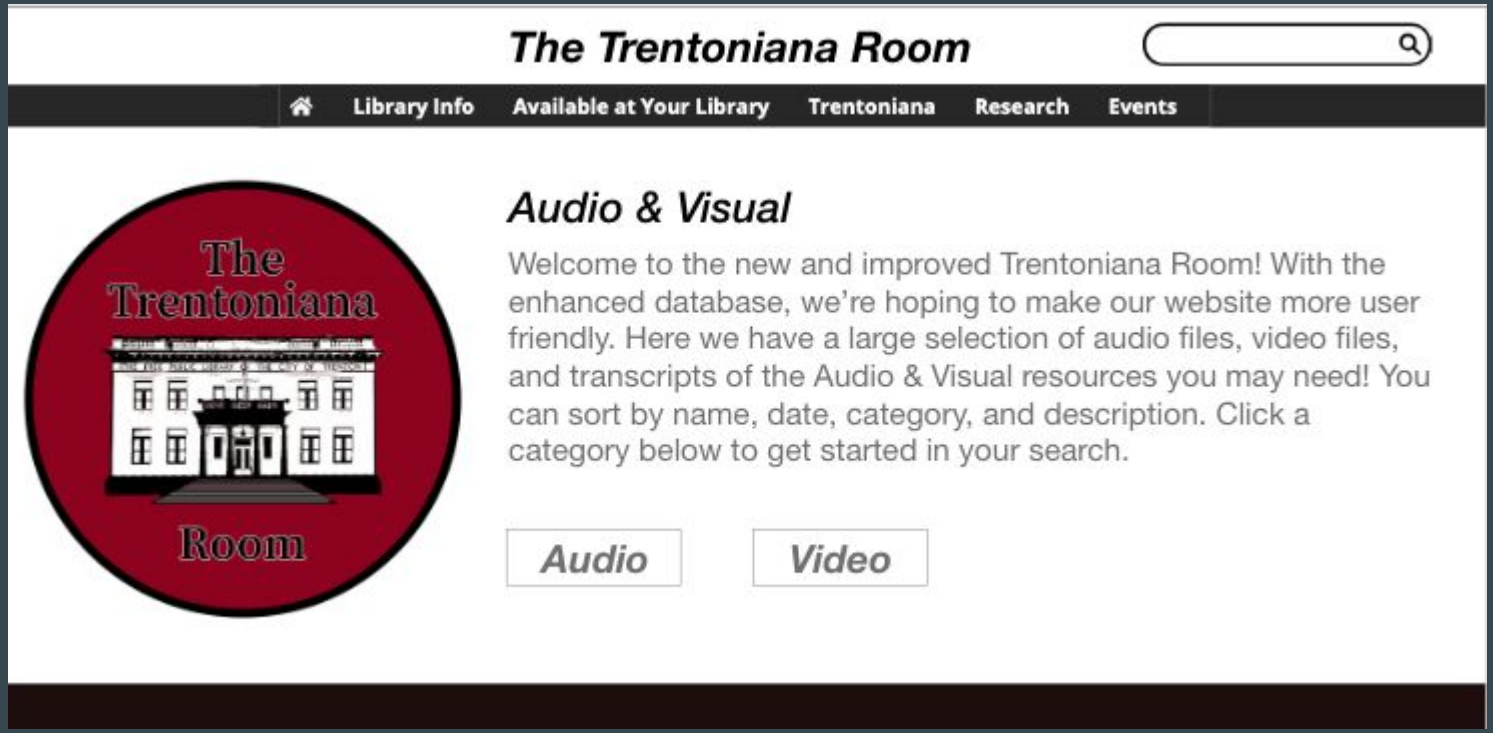
- ***Problem 3:***
  The landing page for the Trenton audio archives is disorganized and not user friendly, for example:

  - There are files with titles that are a **mix of names and numbers**, rather than a name.
  - The **naming is very inconsistent**, ranging from "JHS #" to "last name, first name", to "first name, last name, date". Ultimately, this makes the database look unorganized and unprofessional.
  - There are **no descriptions** as to what the file itself contains.
  - You are **only able to sort by year**, and the audio files should be sortable by other means, such as groupings by specific topic.
  - The display of **all of the audio files** on the landing page looks overwhelming and confusing.

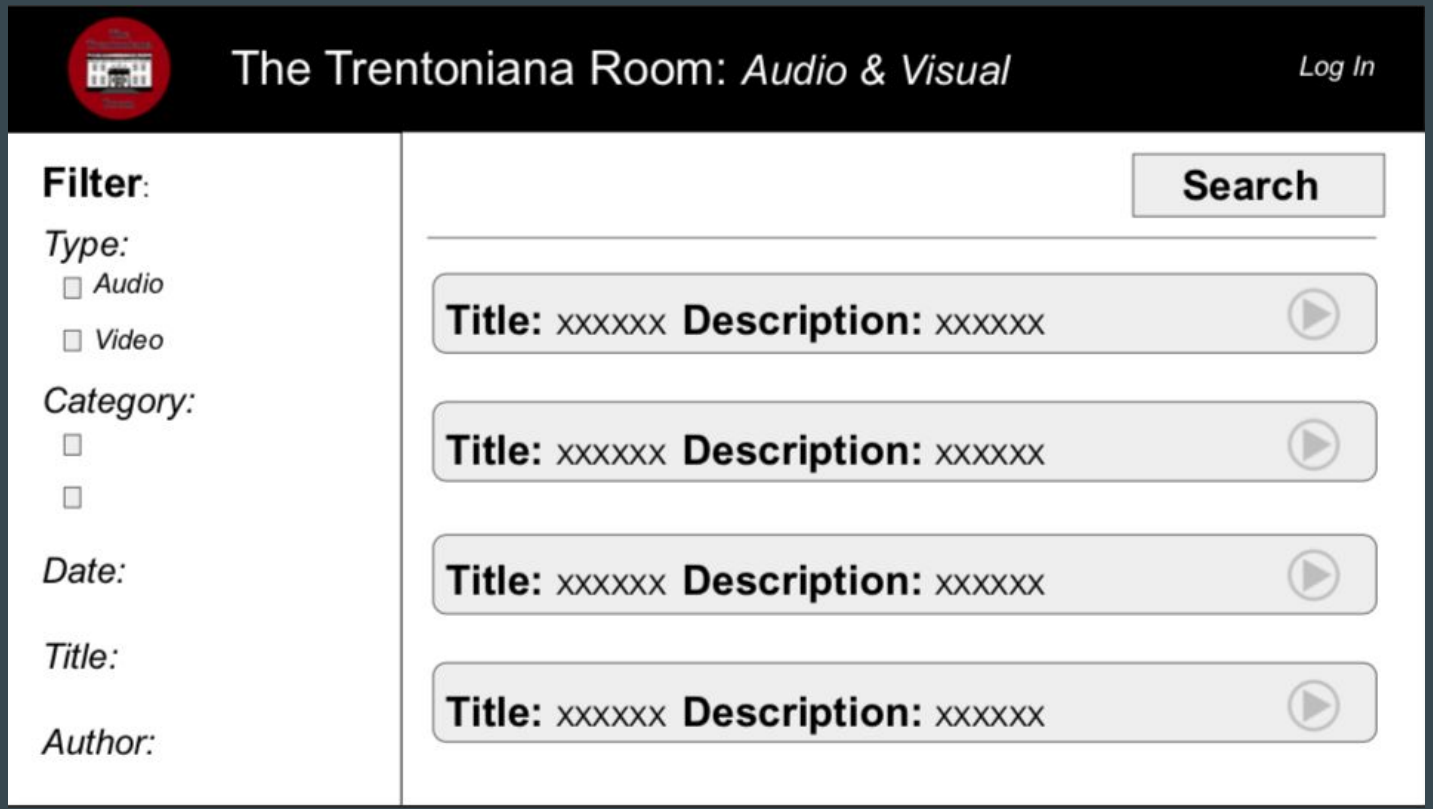
Project Concept

Our project will reconfigure the existing website to be more organized and easy to access. This will be accomplished by creating a new database system that handles the files in a more efficient manner. With the enhanced database, we're hoping to make the website more user friendly.

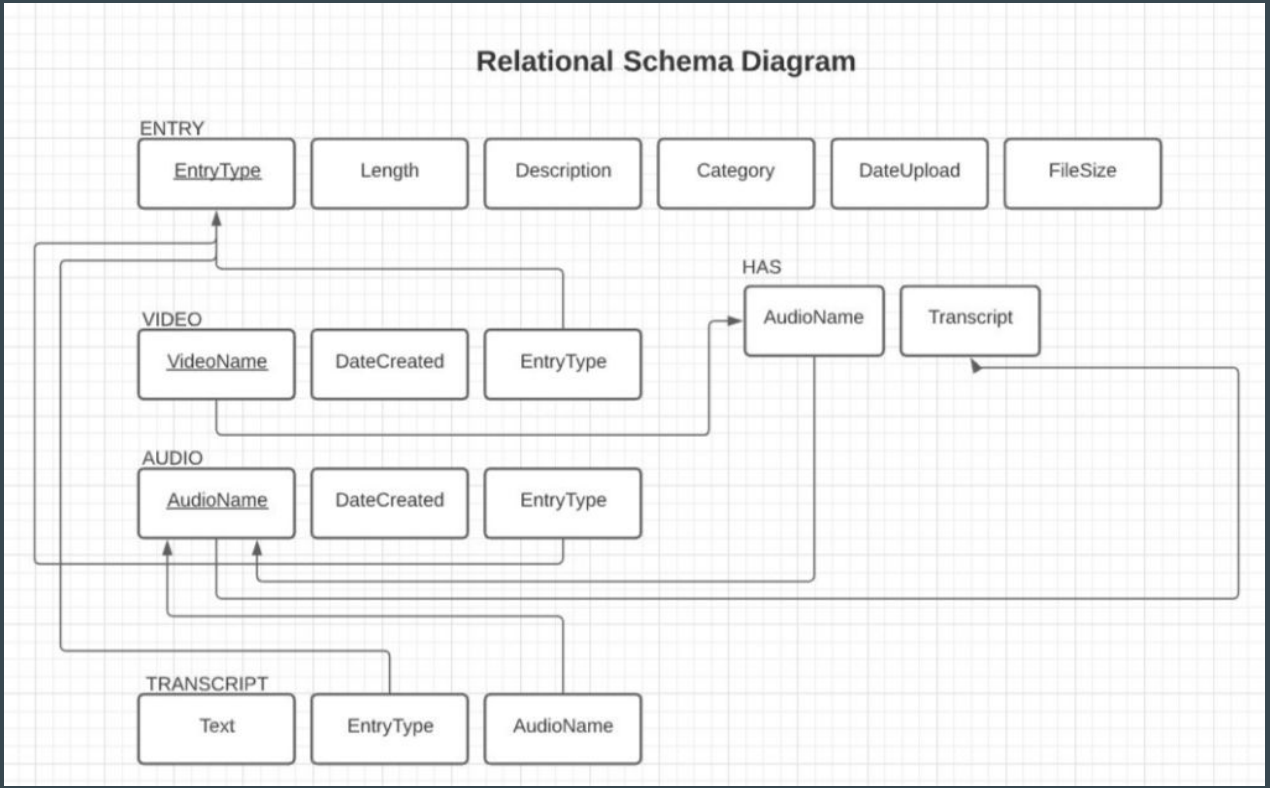
Interface Concept



Interface Concept



Overview of Database Schema



The database schema will have many connections between the different entry types, including Video, Audio, and Transcript. All entities will have similar attributes and thereby have an easily identifiable relationship.

Web Technologies We Will Use

We will be using PostgreSQL to create a brand new database to store the files that were previously held in the Trentoniana website, as well as Python.

For the website creation, we will use a web editor like WordPress or Wix, which use PHP and CSS.