

**Team name:** Codescapes

**Project name:** Audiovision

**Team members:** Miguel Vazquez and Luc Tang

**Current leader:** Miguel Vazquez

**Github:** <https://github.com/poke8014/CS161>

**Job Assignment:**

**Luc:** Back-end lead

**Miguel:** Front-end lead

**Completed Work:**

- Modified audio schema to include userID
- Integrated userID during audio upload
- Implemented a home page and updated the routes
- Fixed bugs in visualization page
- Implemented a simple sketch using just Javascript

**Blockers:**

- Took a while to get userID synced with sessions
- Guest mode file uploads broken as a result of implementing userIDs
- Couldn't use p5 library so, decided to use Javascript instead

**Milestones** (changed back to original milestones)

- Finalize prototype
  - Finalize the implementation of the login/sign up functionalities
  - Test the prototype thoroughly and fix any bugs
  - Present a working prototype
- Non-essential features

- Exporting audio visual along with audio
- Customizability for audio visualizer
- Choosing visual design / color palette

### **Instructions for expert users to verify work:**

- Clone the Audiovision repository from Github using the following command:
  - `git clone https://github.com/poke8014/CS161.git`
- Change your working directory to dev in the project root:
- Change your working directory to config
- Create a config.json file using the template config.example.json file.
- Fill in the required API keys in the config.json file (ask the contributors for the API keys).
- Return to the dev folder
- Install dependencies by running the following command:
  - `npm i`
- Start the app with the following command:
  - `npm run start`
- The server should now be running on `http://localhost:8000` and the front-end will be running on `http://localhost:3000`.

### **Verifying User ID\* in Audio Files:**

\*Pre-requisites: Postman installed and have an account with Audiovision

- Login to Audiovision (create an account if you don't have an account)
- Click "Let's Go!" to proceed to the upload page
- Upload a mp3 file

- Click “Visualize” to upload audio to the database  
Open up postman
- Send a GET request to “<http://localhost:8000/audioFiles>”
- Scroll through the body until uploaded audio file is found

### **Testing Menu audio selection:**

- Select audio name in menu
- The audio selected will be highlighted
- The visualize it button will turn green
- Click on the visualize it button
- You will be able to play the audio in the visualization page

### **Testing audio visualization and home page:**

- Go to “<http://localhost:3000/>”
- The home page will be shown
- Click on the let’s go button
- It will direct the user to the upload page
- Upload an audio or select an existing audio from the menu
- Click on visualize
- It will direct the user to the visualization page
- Click on play/pause button to initialize the visualization

**Technology Tools:** MongoDB, Amazon s3, Express, React, Node, Figma