

# Music Mixer Project of Russell & Jin

## ✓ Overview of the Project

✓ What are you making?/Overview of the Music Mixer

Ocean theme

## ✓ Key Features

- ✓ - The music mixer will have basic functionalities of a music player:
- ✓ Play/Pause, Stop, (Master) Volume, Set Speed, and Loop
- ✓ - There will be a tray of draggable audio icons. User can drag them into the mixer container, where their audios will play together, once they click the Play button.
- ✓ - The audio and music are related to the sea or ocean.
- ✓ - Our project also features a Mini-game as follow: there is a character who requires the player to mix the sounds he wants, using the icons in a speech bubble to communicate. However the audio icons from the user's tray will become all the same so the user has to click on them to listen first before they mix. The player will have up to N tries and M questions to play.

## ✓ Architecture

✓ What will you need?/Architecture

- User Interface (UI)
- Drag and Drop Logic
- Audio Processing
- Event Handling

## ✓ Resources & Research

✓ Resources/Research (include links)

### **FOL : week5 drag & drop work**

<https://www.fanshaweonline.ca/d2l/le/content/2038335/Home>

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### **FOL : Week 8 Juke box start**

<https://www.fanshaweonline.ca/d2l/le/content/2038335/Home>

### ➤ **Free Music downloadable Site**

(Downloaded music is in the asset folder)

<https://mixkit.co/free-sound-effects/>

<https://pixabay.com/sound-effects/>

<https://freesound.org/>

<https://www.zapsplat.com/>

<https://soundbible.com/>

#### **- YouTube Audio Library**

<https://www.youtube.com/c/audiolibrary-channel>

How to use the YouTube Audio Library

<https://support.google.com/youtube/answer/3376882?hl=en>

#### **- Adobe Sound effect library**

<https://www.adobe.com/products/audition/free-sound-effects.html>

#### **- The 6 Best Free Sound Effects Websites for Creators (Blog)**

<https://uppbeat.io/blog/sound-effects/free-sound-effects-websites>

➤ **Music mix reference site & free sound**

<https://www.myinstants.com/en/categories/sound%20effects/us/>

<https://soundbuttonsworld.com/>

<https://www.epidemicsound.com/sound-effects/>

➤ **Drag & Drop reference**

[https://outlook.cloud.microsoft/mail/inbox/id/AAQkADM1M2QyOTBjLWE3OGMt](https://outlook.cloud.microsoft/mail/inbox/id/AAQkADM1M2QyOTBjLWE3OGMtNDkxYi04ZGFhLTEzY2JhYTE0MjgxZQAQACIAxj5EiAhAozByrutzvjk%3D)

[NDkxYi04ZGFhLTEzY2JhYTE0MjgxZQAQACIAxj5EiAhAozByrutzvjk%3D](https://outlook.cloud.microsoft/mail/inbox/id/AAQkADM1M2QyOTBjLWE3OGMtNDkxYi04ZGFhLTEzY2JhYTE0MjgxZQAQACIAxj5EiAhAozByrutzvjk%3D)

<https://shopify.github.io/draggable/>

- The drag and drop feature can be utilized by the HTML attribute “draggable”
- MP3 audio for the mixer is fine but I’m also considering midi

## ✓ Task Delegation

Russell is responsible for development, technical research, and core project ideation, focusing on JavaScript functionality, audio handling, and drag and drop interactions. Jin leads the visual design and design research and also acts as the project manager, coordinating schedules, organizing tasks, and ensuring smooth collaboration throughout the project.