

Music maker project

The purpose of the project was to create a website suitable for making music, where users can create their own music tracks from different musical samples. The web application was designed to work across different browsers (Chrome, Edge, Safari, and Firefox) and to be functional on touchscreens as well.

Music Maker includes the following features: the ability to add tracks, allowing users to add as many tracks as they want. Users can add samples to these tracks. They can delete tracks individually and play them on a loop. Users can also adjust the volume of each track. The app includes categorized dropdown menus, from which users can drag and drop desired samples into specific tracks. Users can also delete individual samples from tracks. They have the ability to play their creations. Additionally, users can record their own singing, listen to it, and, if desired, delete their recordings.

Tools used: Visual Studio Code, Html, css and JavaScript

Points: 34 delay

Expexcted points: $34 \cdot 0.9 = 30,6$

Declaration of AI usag:

Chatgpt is used in this project

I used ChatGPT for proofreading and for suggestions on how to get my code to work if it wasn't functioning correctly

Feature	Max points
Well written PDF report	3
Application is responsive and can be used on both desktop and mobile environment	4
Application works on Firefox, Safari, Edge and Chrome	3
The application has clear directory structure and everything is organized well	2
Drag'n'drop new instruments to the tracks (with mouse or touch screen)	4
Adjustable volume per track	2
Adjustable volume per instrument item	1
Able to download the final song	3
Instrument's length is visualized in the track	4
Available instruments are categorized (basses, guitars, drums...)	2
One can change the category of an instrument	1
Users can add as many tracks as they sees fit	1
Some tracks are looping tracks while some can be set to run only once	3
Use the web audio API and let users to record singing through microphone	3

User can delete tracks and instrument items	3
There are keyboard shortcuts to be used in several cases, like switch tracks/items and deleting them	2