

Music Maker – Introduction to Web Programming Course Project

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Description of the program

Music Maker can be used to make music from different instrument samples. The website supports any number of audio tracks and the volume of each can be adjusted separately. Any extra audio tracks added can be identified by a small indentation by the volume sliders. The website also supports user to upload their own audio samples. The audio file duration is visualized by the width of the audio sample box, so it is easy to see the ratios of the track durations.

Practical implementation

I started the project by copying the week 2 Music Maker source code and files to my project. Then I started adding features one by one. I first added the ability for user to add any number of tracks, then the ability to reduce volume from the default and lastly the visualization of the sample durations on the tracks. I used stackoverflow.com as my source on showing the percentage of volume of the maximum amount and there are comments on that in the source files. I also asked for advice about visualizing the audio sample length during the course weekly exercises.

- What platforms does the website work on?
 - Firefox
 - Safari
 - Edge
 - Chrome
 - Opera
- What tools were used?
 - Website development tools
 - CodeSandbox
 - Documentation tools
 - Microsoft Word
 - Version control
 - Git
 - GitHub: https://github.com/KarvaMies/IWP_Course_Project

Features and points

Feature	Points
Well written report	2
Application is responsive and can be used on both desktop and mobile environment	4
Application work on Firefox, Safari, Edge, Chrome, and Opera	2
Users can add as many tracks as they see fit	1
Adjustable volume per track	2
Instrument length is visualized in the track	4
Total	15