



INTRODUCTION TO WEB PROGRAMMING PROJECT WORK

Music Maker

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1 Introduction

I decided to go with music maker and continue from the week 2 example. For developing the application, I used visual studio code with the extensions mentioned at the beginning of the course. I used live server to the page and developer tools in the browser to follow console messages and structure of the page.

2 Features for points

In total I would like to get 25 points in total from my project. 28 points from the feature and minus 10% for returning it late.

2.1 Well written PDF report (3p)

I hope this is well written report 😊

2.2 Application is responsive and can be used on both desktop and mobile environment (4p)

Application should be responsive and can be used on both desktop and mobile but when using with mobile I only had time to change the direction of the tracks just to demonstrate that the page structure can be modified for different medias.

2.3 Application works on Firefox, Safari, Edge and Chrome (3p)

At least developer tool didn't show any problems.

2.4 The application has clear directory structure, and everything is organized well (1p)

I think the directory structure is good. I have little doubt that the code itself could be more organized because I had little time table issues with this project.

2.5 Drag'n'drop new instruments to the tracks (with mouse or touch screen) (4p)

I implemented dragging and dropping instruments to tracks. I didn't test it with the touch screen tho.

2.6 Adjustable volume per track (2p)

There is volume bar for each track and it seems to affect the volume.

2.7 Instrument's length is visualized in the track (4p)

Instruments length is visualized in the track according to the length that audio gives for sample. The length is also adjusted by calculating $100 * \ln(\text{duration})^{0.5}$ because the lengths of the different samples were so different.

2.8 Available instruments are categorized (basses, guitars, drums...) (2p)

There are drop downs for each category and instruments can be found from those.

2.9 Users can add as many tracks as they sees fit (1p)

There is button to add new tracks and there shouldn't be any limit.

2.10 Some tracks are looping tracks while some can be set to run only once (1p)

There is toggle on each track where the looping can be toggle on or off.

2.11 User can delete tracks and instrument items (3p)

There are buttons for each track to delete the track and also each instrument has own button to delete it.