

WEB FRONTEND DEVELOPMENT II

WDD 330

Ponder Team Activity: DrumKit

Overview

This activity will introduce you to manipulating transitions and transforms with Javascript. We will also get experience listening for key presses in the browser. The challenge for today again comes from a free javascript course from Wes Bos [Javascript30](#).

Instructions

Complete the following assignment as a team. Designate one team member as the "main driver" and collaborate on their copy of the code. Everyone on the team should be actively engaged in writing the code and contributing to the solution. Once the solution is working, make sure that everyone on the team gets a copy of the code. Each week let someone else be the "main driver" of the coding.

Core Requirements

01

Download the [starter code](#) and add the Javascript necessary to make the appropriate sound file play when the corresponding key is pressed.

02

Make it quick.

You may have noticed that if you press a key rapidly the sound file does not immediately re-play. Modify your code to make the sound restart each time the same key is pressed. (Hint use `console.dir` to take a good look at the `audio` element)

03 Style it.

Add the `playing` class to a button when it's key is pressed. Then remove it after the appropriate length of time. (Hint: check out the [list of possible events](#).)

Stretch Goals

01 Move it around

Each time a key is pressed move the corresponding button down 10px.

02 Reset it

After 10 presses of a key, reset the position of it's button.

Instructors Solution

As a part of this team activity, you are expected to look over a solution from the instructor, to compare your approach to that one. One of the questions on the I-Learn submission will ask you to provide insights from this comparison.

Please DO NOT open the solution until you have worked through this activity as a team for the one hour period. At the end of the hour, if you are still struggling with some of the core requirements, you are welcome to view the instructor's solution and use it to help you complete your own code. Even if you use the instructor's code to help you, you are welcome to report that you finished the core requirements, if you code them up yourself.

After working with your team for the one hour activity, [click here for the instructor's solution](#).

Submission

When you have finished this activity, please fill out the assessment in I-Learn. You are welcome to complete any additional parts of this activity by yourself or with others after your meeting before submitting the assessment.