

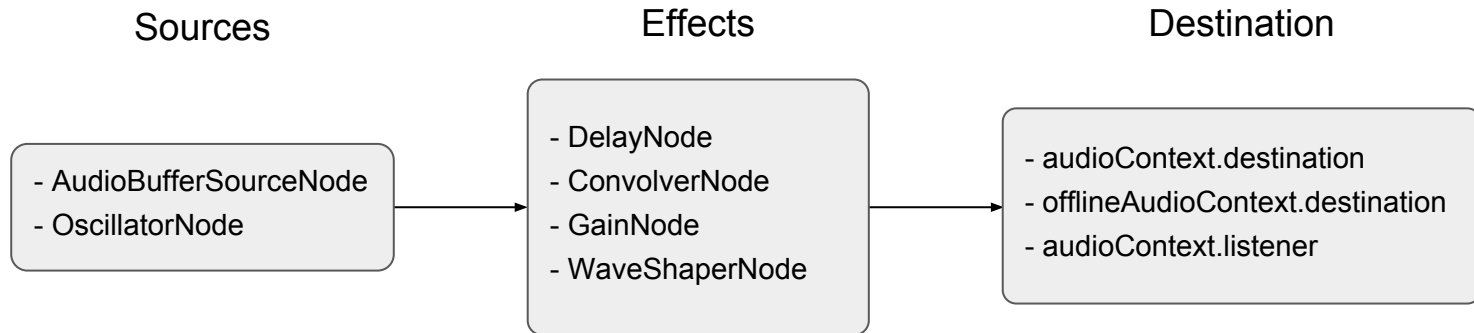


a Progressive Web(Audio) App



# Web Audio API

## AudioNode graph



<https://webaudio.github.io/web-audio-api> (specification)

<https://github.com/WebAudio/web-audio-api> (repository)

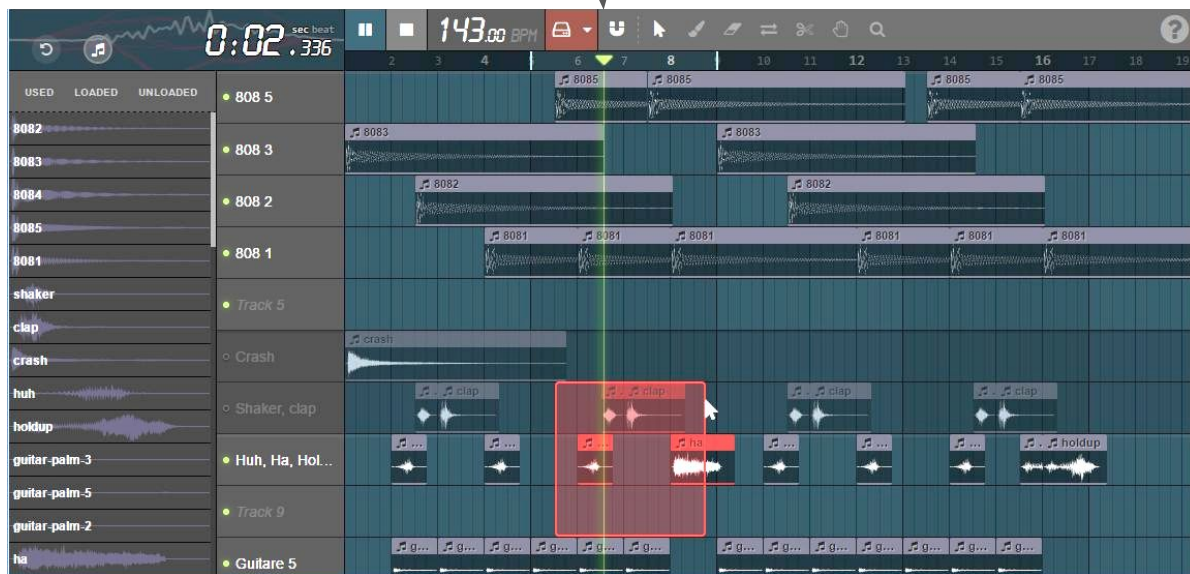
[https://developer.mozilla.org/en-US/docs/Web/API/Web\\_Audio\\_API](https://developer.mozilla.org/en-US/docs/Web/API/Web_Audio_API) (documentation, examples)



# / GridSound

<https://gridsound.github.io/daw>

- Open source on GitHub
- DAW (digital audio workstation)
- Might be a free alternative
- Demo time :)



# The GitHub organization

- **gs-ui-components**, a lot of reusable UI components
- **gs-webaudio-library**, a tiny reusable library
- **gs-webaudio-framework**, the whole app logic
- **daw**, the application

## ≡ gs-webaudio-framework

This will contains the whole sound's logic needed for a DAW

JavaScript ★ 2

## ≡ gs-webaudio-library

A simple encapsulation of the Web Audio API.  
<https://gridsound.github.io/ga-webaudio-library/>

JavaScript ★ 6

## ≡ gs-ui-components

Every components of the GridSound'UI  
<https://gridsound.github.io/ga-ui-components/>

JavaScript ★ 2 🍴 1

## ≡ daw

The GridSound's DAW is a free open-source HTML5 Digital Audio Workstation based on the new fresh Web Audio technology. The project is currently in alpha (and btw, you're very welcome to contribute 😊)...

JavaScript ★ 26 🍴 3



## Pre-alpha version

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- ✓ An infinite and zoomable grid.
- ✓ Drop and list some raw audio files directly into the browser.
- ✓ Drop samples into the grid with several tools like selection, move, crop, cut.
- ✓ History, undo/redo.
- ✓ Use the localStorage to save many distinct compositions.
- ✓ Possibility to export the composition in WAV.

## Dispatch the code into 3 other repositories

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- ❑ [gs-ui-components](#), [gs-webaudio-framework](#), [gs-webaudio-library](#)

## Alpha version

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- ❑ Creation of a minimap who will be the grid's horizontal scroll.
- ❑ Possibility to create some reusable patterns like a piano melody or a drum loop.
- ❑ Creation of a mix table with divers effects.
- ❑ Make each effects' button programmable in time.

Work in progress...

# Thanks you :)

Our emails [melanieducani@gmail.com](mailto:melanieducani@gmail.com), [thomastortorini@gmail.com](mailto:thomastortorini@gmail.com).

The Web Audio slack, **web-audio.slack.com** (click here to have an invite <https://web-audio-slackin.herokuapp.com>).

Our dev slack **gridsound.slack.com** (send us an email to ask an invite)

The usable prototype, [gridsound.github.io/daw](https://gridsound.github.io/daw).

A linkmap [github.com/GridSound/daw/wiki](https://github.com/GridSound/daw/wiki)