

# DOM DRUM KIT

(Tech Stack: HTML, CSS, JavaScript)

## Project Description:

The **DOM Drum Kit** is a fun and interactive web-based musical instrument that allows users to play virtual drums using either their **keyboard** or **mouse clicks**. Built using HTML, CSS, and JavaScript, the project demonstrates how to use **DOM manipulation** and **event listeners** to create a responsive and engaging user experience.



## How to Play:

### Two Ways to Play:

- **Using the Keyboard:**
  - Each drum is associated with a specific **keyboard key** (e.g., W, A, S, D, J, K, L).
  - Press any of the corresponding keys on the keyboard to play the sound of that drum
- **Using the Mouse:**
  - Click on any drum button displayed on the screen.
  - The button will play the corresponding **drum sound** and trigger a brief animation.

## Key Features:

- 🥁 **Interactive Drum Kit**
  - Multiple drums with unique sounds
  - Each drum is labeled with its corresponding key.
- 🔊 **Real-time Sound Effects**

- Drum sounds play immediately on key press or click.
- Uses the Audio object in JavaScript for playback.
-  **Button Animation**
  - Visual feedback (e.g., button flash or scale effect) is triggered on interaction.
  - Animations are short, snappy, and reset automatically.
-  **Keyboard & Mouse Support**
  - Dual input method makes it accessible and fun to use.
  - Good example of handling both keydown and click events in JS.

## Learning Outcomes:


- **Gained hands-on experience with:**
  - **Event listeners** (keydown, click)
  - DOM traversal and manipulation
  - Audio playback in JavaScript
  - Adding/removing CSS classes dynamically
- **Learned how to create real-time user feedback through animation and sound.**

## Use Cases:

- Great project to demonstrate beginner-to-intermediate JavaScript skills.
- Useful for teaching basic music interaction and frontend logic.
- Fun game for kids or anyone learning rhythm and timing.

## Live Demo / GitHub Repository:

-  **Live:** [[https://manishkumar081.github.io/Dom\\_Drum\\_Kits/](https://manishkumar081.github.io/Dom_Drum_Kits/)]

-  **Code:** [[https://github.com/ManishKumar081/Dom\\_Drum\\_Kits](https://github.com/ManishKumar081/Dom_Drum_Kits)]